

# College of Arts and Sciences

## What is a *Bulletin*?

The *College of Arts and Sciences Bulletin* is a resource and roadmap that provides students with the information they need to make the most of their undergraduate education and to graduate from the College in a timely manner with a broad-based liberal arts degree. It is the official source of information regarding degree requirements, rules and regulations, programs of study, courses, and opportunities within and outside of individual departments and programs. Students pursuing degrees in other schools on the Bloomington campus should consult the [IU Bloomington Bulletins website](#) to find the appropriate bulletin that covers their degree program. Students will also find much useful information listed on the [College website](#) and the websites of individual departments and programs.

## Which *Bulletin* or *Supplement* Should You Use?

Students follow the requirements included in the *Bulletin* and *Supplement* published in the year they first enrolled (matriculated) as a degree-seeking student at Indiana University (any campus). For instance, a new freshman beginning at IUB in the summer or fall of 2014 will be held to the requirements laid out in the *2014-2015 Bulletin of the College of Arts and Sciences*. For questions regarding which *Bulletin* or *Supplement* to use, please consult the College Recorder's Office, (812) 855-1821 or [coasrecd@indiana.edu](mailto:coasrecd@indiana.edu). The requirements outlined in the *Bulletin* or *Supplement* in effect at the time of your matriculation will remain constant throughout your time in the College, assuming you graduate within eight years.

**\*\***College of Arts and Sciences *Bulletins* were formerly printed on paper in an alternating two-year cycle of full-length *Bulletins* and abbreviated *Supplements*.

*Supplements* listed only the policy, course, and requirement changes that occurred in the alternate year in a two-year cycle and did not reprint the information that was unchanged since the publication of the last full-length *Bulletin*. Students had to consult both the *Bulletin* and *Supplement* to access complete information. Since 2010 the College has moved to a yearly *Bulletin* cycle, and the official version is published once a year, online, in the month of May. Although the *Bulletin* is no longer printed, the online version includes PDF print functionality.

# The College of Arts and Sciences

## The College of Arts and Sciences

With a tradition of excellence in the liberal arts and sciences stretching back to the founding of Indiana University in 1820, the College of Arts and Sciences offers more than 90 baccalaureate majors leading to the Bachelor of Arts, the Bachelor of Science, the Bachelor of Arts in Journalism, the Bachelor of Fine Arts and the Bachelor of Liberal Studies degrees. In addition to educating our majors, the College also provides a

significant portion of the campuswide general education courses.

At the heart of the College's tradition is excellence in teaching based on excellence in research. College faculty, who are at the forefront of their disciplines, teach at all levels of the curriculum, from freshman through senior and graduate courses. Although the content of courses has changed as society has changed and knowledge has developed, the College faculty has always sought to provide students with specialized knowledge in a major field of study that is enriched by a broad liberal arts education. For over 190 years, the mission of the faculty has been to provide students with the knowledge, skills, and perspectives to help them develop an understanding of themselves and the world around them through a combination of specialized and general study.

Because of the richness and diversity of its more than 90 majors, the College offers students a variety of advising services to help them take full advantage of their opportunities at Indiana University.

- [Academic advisors](#) in each department in the College are eager to help students understand the special requirements and options of the department, and are also happy to discuss general degree requirements and the best options for their completion.
- Finally, Career Advisors in [Arts and Sciences Career Services](#) help students understand how to combine their liberal arts education and their career goals in satisfying employment.
- The College Undergraduate [Recorder's Office](#) is available throughout a student's career to answer questions about academic records, policies, and procedures—by email ([coasrecd@indiana.edu](mailto:coasrecd@indiana.edu)), by phone (812-855-1821), or in person in Owen Hall 003.
- Academic assistant deans in the College can answer specific questions or talk with students about their goals.

## Liberal Learning at IU

A liberal arts education begins with the premise that one's world and one's self are worth knowing. To understand our world, we must know something about its physical, biological, cognitive, social, cultural, and spiritual dimensions. The liberal arts provide these perspectives on knowledge to serve as the basis for a full and effective professional and personal life. No better preparation for success in the professions exists than a strong liberal arts education, and our experience demonstrates that the liberal arts help develop the rigor of mind needed for advanced study in any field and for the pursuit of a richer life through the enlargement of mind and spirit.

By its very name, a liberal arts education suggests that broadness of study is a primary concern. It inspires openness and breadth of mind, regard for values unlike our own, and respect for the creative processes of diverse disciplines. The liberal arts emphasize cultural, social, and biological change and assess the impact of technological progress on the world's environment. They generate appreciation and understanding of many societies' past accomplishments and provide the basis for future insight and enterprise.

The liberal arts education of the College of Arts and Sciences provides the fundamental knowledge, skills, and experience essential for a full, rich, and rewarding life. Such an education taps many of the capacities that we as human beings possess. It offers us fuller lives, in understanding and expressing ourselves and in relating to others.

The arts and sciences are pre-professional in the best sense. They serve as a foundation for many professions, many ways of earning a living. More than training for today's occupations, a liberal arts education offers students the foresight and flexibility they will need as they move on to careers and technologies not yet known or imagined.

Finally, a liberal arts education develops the qualities of mind that are needed by informed and responsible people. Any decision or action—whether personal or professional—informed by knowledge, rationality, and compassion makes the greatest contribution to a better world.

## **11 Goals: The Liberal Arts and Sciences in the College**

At IU, the College of Arts and Sciences provides the means for undergraduates to acquire a liberal arts education: an education that broadens the student's knowledge and awareness in the major areas of human knowledge, significantly deepens that awareness in one or two fields, and prepares the foundation for a lifetime of continual learning. The distinguishing mark of the university is that its faculty is engaged in the discovery and dissemination of knowledge, thereby offering students an unusually rich opportunity to gain a liberal education. At Indiana University, the liberal arts curriculum of the College of Arts and Sciences directs its students to achieve eleven major goals. Our students:

1. **Achieve the genuine literacy** required to read and listen effectively, and to speak and write clearly and persuasively.
2. **Learn to think critically and creatively.** As perceptive analysts of what they read, see, and hear, students must learn to reason carefully and correctly and to recognize the legitimacy of intuition when reason and evidence prove insufficient.
3. **Develop intellectual flexibility and breadth of mind.** Liberal arts students remain open to new ideas and information, willing to grow and learn, and sensitive to others' views and feelings.
4. **Discover ethical perspectives** so that they can formulate and understand their own values, become aware of others' values, and discern the ethical dimensions underlying many of the decisions they must make.
5. **Cultivate a critically informed appreciation of literature and the arts and forge the aesthetic judgment** that makes possible the enjoyment and comprehension of works of the creative imagination.
6. **Practice and apply scientific methods.** This approach to knowledge forms the basis of scientific research; guides the formation, testing, and validation of theories; and distinguishes conclusions that rest on unverified assertion from those developed through the application of scientific reasoning.

7. **Learn to reason quantitatively**, a skill essential in an increasingly technological society.
8. **Develop historical consciousness** so that students can view the present within the context of the past, appreciate tradition, and understand the critical historical forces that have influenced the way we think, feel, and act.
9. **Investigate and study the international community** to become involved in the contemporary world. By understanding the range of physical, geographic, economic, political, religious, and cultural realities influencing world events, students cultivate an informed sensitivity to global and environmental issues.
10. **Develop and practice communication skills in public settings and in the study of at least one foreign language.** Public speaking and listening are fundamental skills for participation in civil society. Study of a foreign language not only promotes communication with people from other cultures but also offers insights into distinct patterns of thought and modes of expression.
11. **Pursue in-depth knowledge of at least one subject to be complete.** Students in the College of Arts and Sciences must learn to acquire and manage a coherent, sophisticated understanding of a major body of knowledge with all its complexities, power, and limitations.

## **The Curriculum**

The current degree requirements of the College of Arts and Sciences are more than the sum of their parts. They incorporate the 11 principles of Liberal Learning at Indiana University into a coherent and complementary curriculum that helps students to develop to their full potential as ethical and thoughtful individuals and citizens. Course work in English Composition, Mathematical Modeling, Public Oral Communication, Intensive Writing and Foreign Language provides opportunities for students to develop communication skills for understanding other communities and the computational skills necessary to thrive in an increasingly data-driven society. Critical Approaches to the Arts and Sciences and Breadth of Inquiry courses help students to acquire broad familiarity with the general areas of human knowledge in the arts and humanities, social and historical studies, and natural and mathematical sciences. Culture Studies classes enable students to enrich their understanding of their neighbors at home and internationally. These courses serve as the foundation upon which students can develop a major program of study. The requirements for the B.A. Major and the degree structures of specialized B.F.A., B.S., B.L.S., and B.A.J. programs provide the in-depth expertise that prepare students for further study or entry in the professions and other careers that value critical thinking and deep analysis.

## **Contact Information**

For questions and referrals regarding undergraduate education in the College of Arts and Sciences, please visit <http://college.indiana.edu/recorder/>.

You may also call, email or walk in to the:

**College of Arts and Sciences Recorder's Office**  
 Owen Hall 003  
 790 E. Kirkwood Ave.  
 Bloomington, IN 47405-7104

(812) 855-1821  
 Fax: (812) 855-2157  
 E-mail: [coasrecd@indiana.edu](mailto:coasrecd@indiana.edu)  
 Office Hours: Monday - Friday, 9am to 4pm

## Student Responsibility

Students are responsible for planning their own programs of study and for meeting the degree requirements for graduation. For advice in fulfilling these requirements and in planning a course of study, students in the College are encouraged to regularly seek out academic counseling from the [academic advisors](#) in the departments that offer the major(s), minor(s), and certificate(s) that the students hope to pursue. Although faculty and academic advisors will do their best to aid students, it is ultimately each student's responsibility to plan an appropriate academic course of study and to fulfill the various degree requirements. Familiarizing themselves with the contents of this *Bulletin* is a crucial first step that students can and should take to ensure they know what opportunities are available to them and what requirements are expected of all students in the College of Arts and Sciences.

The online [Academic Advisement Report \(AAR\)](#) is another valuable resource that will help students to plan a course of study and monitor their progress toward a degree. It provides detailed information regarding both the various degree requirements that students have fulfilled and those that they still need to complete. Students who need clarification regarding any information on their AAR or any of the requirements for their degree program are urged to contact their [academic advisor](#) or the [College of Arts and Sciences Recorder's Office](#) in Owen Hall 003, (812) 855-1821.

Finally, Indiana University reserves the right to change course offerings without notice. Students are responsible for consulting the online [Schedule of Classes](#) for the most up-to-date listing.

## Matriculation Date and Degree Requirements

For an undergraduate student pursuing a degree in the College of Arts and Sciences at Bloomington, the applicable degree requirements are those in effect at the time he or she first enrolls (matriculates) at the Bloomington campus of Indiana University as a degree-seeking student. Students admitted for the fall semester who elect to take courses in the preceding summer will be bound by the degree requirements in effect for the fall for which they are admitted. A student who fails to complete a degree within eight years of matriculation will forfeit the automatic right to use the requirements in effect at the time of matriculation. Students in this situation with questions about remaining requirements should contact the College Recorder's Office, Owen Hall 003, (812) 855-1821 or [coasrecd@indiana.edu](mailto:coasrecd@indiana.edu).

**Note:** Students with Indiana University credit earned as high school participants in the [Advance College Project](#) or the OPEN ([On-campus Precollege Enrollment—Nondegree](#)) Program will follow the degree requirements in place as of their first full-semester enrollment as degree-seeking students.

## Abbreviations

The various abbreviations used in this *Bulletin* are explained below. An important abbreviation to begin with is "the College," which refers to the College of Arts and Sciences at Indiana University. CASE refers to College of Arts and Sciences Education requirements. For a listing of abbreviations for courses that are part of the campuswide General Education Curriculum, please see [gened.iub.edu](http://gened.iub.edu).

### Breadth of Inquiry Requirement

In this *Bulletin*, courses that count toward the Breadth of Inquiry requirement of the College of Arts and Sciences are designated by specific abbreviations immediately following the course titles.

- **Arts and Humanities** Courses that count toward this Breadth of Inquiry requirement are designated by **CASE A&H**.
- **Social and Historical Studies** Courses that count toward this Breadth of Inquiry requirement are designated by **CASE S&H**.
- **Natural and Mathematical Sciences** Courses that count toward this Breadth of Inquiry requirement are designated by **CASE N&M**.

### Critical Approaches to the Arts and Sciences Requirement

Courses that fulfill this requirement are designated by **CASE CAPP**.

### Culture Studies Requirement

Courses that count toward the Culture Studies requirement of the College of Arts and Sciences are designated by specific abbreviations immediately following the course titles.

- **Culture Studies—Diversity in the U.S.** Courses that carry Culture Studies credit appropriate for Diversity in the U.S. are designated by **CASE DUS**.
- **Culture Studies—Global Civilizations and Cultures** Courses that carry Culture Studies credit appropriate for Global Civilizations and Cultures are designated by **CASE GCC**.

### Foundations Requirement

- **English Composition**—Courses that satisfy this requirement are designated by **CASE EC**.
- **Mathematical Modeling**—Courses that satisfy this requirement are designated by **CASE MM**.

### Public Oral Communication Requirement

- Courses that satisfy this requirement are designated by **CASE POC**.

### Prerequisites

Consent of the instructor is an implicit prerequisite for all courses in the College of Arts and Sciences. However, there are often additional special prerequisites designated in the course description.

- **Required Courses or Prerequisites** The abbreviation **P** followed by a colon indicates course prerequisites that must be met before enrollment.
- **Recommended Courses** The abbreviation **R** followed by a colon indicates courses that are suggested as desirable prior to, but not necessary for, enrollment.

- **Concurrent Courses or Corequisites** The abbreviation C followed by a colon indicates courses to be taken at the same time.

## Admission

### Admission to IU

Most incoming freshmen admitted to Indiana University first enter [University Division](#), where they must complete a specific set of requirements if they are interested in gaining admittance to the College of Arts and Sciences. Although University Division provides advising services, students who are considering pursuing a degree from the College should also meet, early in their time at IU, with the academic advisor from any department(s) that offers a major, minor, or certificate that the student thinks he or she may want to pursue. Also, a small number of incoming students with records of academic excellence may be invited to apply for Direct Admission to the College.

For additional information on applying to Indiana University, please visit the [Office of Admissions website](#).

### Entering the College

Most incoming students admitted to Indiana University first enter [University Division](#). With the exception of those individuals who are admitted directly into the College (see Direct Admission), students who wish to enter into the College must:

- complete 26 credit hours of course work that can count toward a degree in the College;
- maintain a minimum cumulative College grade point average of 2.000;
- maintain a minimum grade point average of 2.000 in the intended major;
- satisfy the CASE English Composition Requirement.

IU students at other schools on the Bloomington campus who wish to enter the College must fulfill the same entry requirements as University Division students.

When students in the University Division have satisfied the College entry requirements, they will be certified to the College department that offers the major that they have chosen to pursue (and that is listed on their record). To declare or change a major, students in University Division should see their University Division advisor or go to the [University Division Records Office](#), Maxwell Hall 030. Students are encouraged, early on in their time in University Division, to make an appointment with the [advisor](#) of any departments that offer majors that students think they may want to pursue.

Students with an interest in majoring in Journalism or pursuing a B.F.A. must meet program admission standards before declaring their majors. For details, see the B.A. in Journalism in the [IU Journalism Undergraduate Bulletin 2014-2015](#), the B.F.A. in Dance, the B.F.A. in Fine Arts Studio, or the B.F.A. in Musical Theatre.

It is important to note that, even when they are still in University Division, students can begin to satisfy College degree requirements.

### Direct Admission

#### College Direct Admission Scholars

Each year, the College of Arts and Sciences recognizes the achievements of a small number of outstanding incoming freshmen by extending to these future scholars invitations of direct admission. Students honored with this distinction are among the most talented and accomplished undergraduates pursuing studies in the arts, humanities, languages, mathematics, sciences, and social sciences.

Direct Admission allows these highly motivated, intellectually curious, and dedicated individuals the opportunity to declare their major immediately and begin their studies as College of Arts and Sciences students at the very start of their freshman year. Early entrance to the College provides them access to academic advisors, faculty, and departmental resources within their chosen field(s) of study. Direct Admission students embody a record of achievement, enthusiasm for learning, and scholarly potential, suggesting they will benefit from a focused start to their studies.

Competitive candidates will be students admitted to IU who have indicated a major in the Arts and Sciences on the IU Freshman Application for Admission and who are qualified based on a combination of minimum SAT or ACT score and GPA or class rank.

Select incoming freshmen who have received invitations of Direct Admission may be eligible to apply for merit-based scholarships within the College. Students must complete a Selective Scholarship Application (SSA) in order to be considered.

For more information, visit the [College Direct Admission Scholars website](#).

### Transfer Students

#### Transfers from Programs in Other Schools on the Bloomington Campus ("School Change")

**Eligibility:** Students transferring to the College of Arts and Sciences from undergraduate programs in other schools of the university, such as the Kelley School of Business, the School of Education, or the Jacobs School of Music, must have completed at least 26 credit hours that can count toward a degree in the College with a minimum 2.000 cumulative College grade point average and a minimum of 2.000 grade point average in the intended major. They also must have completed the CASE English Composition Requirement.

**Process:** Students must contact the [academic advisor](#) in the department in which they wish to become a major. The advisor will submit a School Change Request to the [College Recorder's Office](#) in Owen Hall for processing. Requests to change schools must be completed by July 1 for the fall semester, December 1 for the spring semester, and April 15 for the summer session.

#### Transfers to and from Other Indiana University Campuses ("Intercampus Transfer")

Students can transfer easily from one campus of Indiana University to another and continue their studies as degree candidates (Intercampus Transfer). Credits are evaluated on a course-by-course basis, but students generally find that most courses do transfer because of the similarity of course work on the eight campuses.

- Intercampus Transfer students from other IU campuses will be able to declare a major and enter the College of Arts and Sciences directly if they

- have completed at least 26 credit hours that can count toward a degree from the College, maintained a minimum cumulative College of Arts and Sciences and major grade point average of 2.000, and completed the CASE English Composition Requirement.
- Intercampus Transfer students from other IU campuses who do not meet College entrance standards will enter [University Division](#) or the IU Bloomington School where their current major is offered. In order to declare a major and enter the College, they will first need to complete course work that qualifies them for certification into the College.

Transferring students should note:

- Degree requirements differ among the various campuses of Indiana University and among the schools on individual campuses.
- Engineering and technical courses, including courses from the School of Engineering and Technology, cannot be applied as credit toward a degree program in the College of Arts and Sciences.
- Students who transfer as degree candidates from one campus of Indiana University to another must meet the degree requirements of the degree-granting division of the campus from which they expect to graduate.

For detailed information about applying for intercampus transfers, see [www.iupui.edu/~moveiu](http://www.iupui.edu/~moveiu).

### **Transfers from Other Colleges and Universities**

Indiana University welcomes students who wish to transfer from other colleges or universities. Students who have completed less than one full year of academic course work will be considered for admission into the University Division. Students who have completed at least 26 credit hours that can count toward a degree in the College, a year of course work at another institution, and the CASE English Composition Requirement may be granted admission to the College of Arts and Sciences. **Note:** No more than 60 credit hours earned in accredited junior colleges may be applied toward a degree.

Applications for transfer admission are evaluated on the basis of a number of factors, including the following:

- A minimum grade point average of 2.000 on a 4.000 scale. A higher GPA may be required for certain majors. In addition, nonresidents of Indiana will be expected to have considerably higher grade point averages for consideration.
- A minimum grade point average of 2.000 earned in courses that could apply toward the intended major.
- A high school record showing satisfactory entrance units.
- Evidence of good standing at the institution last attended.
- Official transcripts of credits and grades earned in all subjects.

Acceptance of credit from other institutions will be determined by the Office of Admissions. The applicability of credit toward degree requirements in the College will be determined by the Dean of the College. Only credits earned at Indiana University will count toward a student's

cumulative and major grade point averages. Courses from other colleges and universities transfer as credit only.

- For additional information and application deadlines, please refer to the [Office of Admissions website](#).

### **Exploratory Students**

Students wishing to pursue baccalaureate degrees in the College who have not yet chosen majors and who have completed no more than 55 degree credit hours may enter the College as exploratory students. Exploratory students are assigned an [academic advisor](#) who will help them clarify their interests and aptitudes and guide them toward appropriate majors. Students who are already admitted to the College and who wish to change majors or schools may also declare that they are exploratory on approval of the exploratory advisor. Students may remain in the exploratory category only for a limited period. All College of Arts and Sciences students must declare and complete a major in the College to be eligible for graduation.

## **Degrees, Majors, Minors & Certificates**

### **List of Majors (Bachelor of Arts)**

The College of Arts and Sciences offers the following majors for the Bachelor of Arts (B.A.) degree:

- African American and African Diaspora Studies
- American Studies
- Anthropology
- Biochemistry
- Biology
- Biotechnology
- Central Eurasian Studies
- Chemistry
- Classical Civilization (Art and Archaeology, Culture and Literature)
- Classical Studies (Latin, Greek)
- Cognitive Science
- Communication and Culture
- Comparative Literature
- Computer Science
- Criminal Justice
- East Asian Languages and Cultures (Chinese, Accelerated Chinese, Japanese, Korean)
- East Asian Studies
- Economics
- English (Concentration in Creative Writing, Concentration in Public and Professional Writing)
- Environmental and Sustainability Studies (administered by the Integrated Program in the Environment; jointly awarded by the College of Arts and Sciences and the School of Public and Environmental Affairs)
- Fashion Design
- Folklore and Ethnomusicology
- French
- Gender Studies
- Geography
- Geological Sciences (Concentration in Atmospheric Sciences)
- Germanic Studies

- History
- History of Art
- Human Biology
- India Studies (as part of a double major)
- Individualized Major Program
- International Studies
- Italian
- Jewish Studies
- [Journalism\\*](#)
- Linguistics
- Mathematics
- Microbiology
- Near Eastern Languages and Cultures (Language Track: Arabic, Hebrew, Persian; Culture Track)
- Philosophy
- Physics
- Political Science
- Portuguese
- Psychology
- Religious Studies
- Slavic Languages and Literatures (Russian; others by special arrangement)
- Sociology
- Spanish
- Speech and Hearing Sciences
- Studio Art
- Telecommunications
- Theatre and Drama

**\*Note:** As of July 1, 2014, Journalism will be part of The Media School in the College of Arts and Sciences. Beginning and continuing undergraduate students interested in pursuing a major or certificate in the field of journalism will have the opportunity to follow current degree requirements and other academic policies for the [Bachelor of Arts in Journalism](#) and the [IU Journalism Undergraduate Bulletin 2014-2015](#).

## List of Interdepartmental Majors (Bachelor of Arts)

The College of Arts and Sciences offers the following interdepartmental majors for the Bachelor of Arts (B.A.) degree:

- African American and African Diaspora Studies and English
- African American and African Diaspora Studies and History
- African American and African Diaspora Studies and Religious Studies
- African American and African Diaspora Studies and Sociology
- Anthropology and Linguistics
- Economics and Mathematics
- Economics and Political Science
- English and African American and African Diaspora Studies
- History and African American and African Diaspora Studies
- Linguistics and Anthropology
- Linguistics and Speech and Hearing Sciences
- Mathematics and Economics

- Philosophy and Political Science (Interdepartmental Major, Honors Program)
- Philosophy and Religious Studies (Interdepartmental Major, Honors Program)
- Political Science and Economics
- Political Science and Philosophy (Interdepartmental Major, Honors Program)
- Psychology and Speech and Hearing Sciences
- Religious Studies and African American and African Diaspora Studies
- Religious Studies and Philosophy (Interdepartmental Major, Honors Program)
- Sociology and African American and African Diaspora Studies
- Speech and Hearing Sciences and Linguistics
- Speech and Hearing Sciences and Psychology

## List of Bachelor of Science Degrees

The College of Arts and Sciences offers the following Bachelor of Science (B.S.) degrees:

- Animal Behavior
- Apparel Merchandising
- Astronomy and Astrophysics
- Biochemistry
- Biology
- Biotechnology
- Chemistry
- Cognitive Science
- Computational Linguistics
- Environmental Science (administered by the Integrated Program in the Environment; jointly awarded by the College of Arts and Sciences and the School of Public and Environmental Affairs)
- Geography
- Geological Sciences
- Human Biology
- Interior Design
- International Studies
- Mathematics
- Microbiology
- Neuroscience
- Physics
- Psychology
- Speech and Hearing Sciences
- Statistics

## List of Bachelor of Fine Arts Degrees

The College of Arts and Sciences offers the following Bachelor of Fine Arts (B.F.A.) degrees:

- Dance
- Musical Theatre
- Studio Art

## List of Certificates

In addition to completing the requirements for a Bachelor's degree, students may earn certificates in the following areas:

- African Studies
- Animal Behavior
- Atmospheric Science
- Criminal Justice

- Cultures of Science and Medicine
- Dutch Studies
- European Studies
- Game Studies
- Geographic Information Systems (GIS) and Remote Sensing
- Global Human Diversity
- Human Biology
- India Studies
- Islamic Studies
- Jewish Studies
- **Journalism\***
- Latin American and Caribbean Studies
- Liberal Arts and Management
- Medieval Studies
- Neuroscience
- New Media and Interactive Storytelling
- Political and Civic Engagement
- Social Research in Health and Medicine

**\*Note:** As of July 1, 2014, Journalism will be part of The Media School in the College of Arts and Sciences. Beginning and continuing undergraduate students interested in pursuing a major or certificate in the field of journalism will have the opportunity to follow current degree requirements and other academic policies for the [Bachelor of Arts in Journalism](#) and the [Certificate in Journalism](#) as published in the [IU Journalism Undergraduate Bulletin 2014–2015 Bulletin](#).

## List of Minors

In addition to completing the requirements for a Bachelor's degree, students may earn minors in the following areas:

- African American and African Diaspora Studies
- African Languages
- African Expressive Culture
- African Studies
- American Studies
- Animal Behavior
- Anthropology
- Anthropology of Food
- Apparel Merchandising
- Archaeology
- Asian American Studies
- Astronomy and Astrophysics
- Biology
- Biotechnology
- Central Eurasian Studies
- Central Eurasian Studies with Language Certification
- Chemistry
- Classical Civilization
- Cognitive Science
- Communication and Culture
- Comparative Arts
- Comparative Literature
- Computer Science
- Creative Writing
- Criminal Justice
- Dance
- Dutch Studies
- East Asian Languages

- East Asian Studies
- Economics
- Economics and Political Science
- English
- Environmental and Sustainability Studies (administered by the Integrated Program in the Environment; jointly awarded by the College of Arts and Sciences and the School of Public and Environmental Affairs)
- Environmental Science (administered by the Integrated Program in the Environment; jointly awarded by the College of Arts and Sciences and the School of Public and Environmental Affairs)
- European Studies
- European Union Studies
- Fashion Design
- Folklore and Ethnomusicology
- French
- Gender Studies
- Geography
- Geographic Information Systems and Remote Sensing
- Geological Sciences
- German
- Germanic Studies
- Greek
- Hebrew
- History
- History and Philosophy of Science
- History of Art
- India Studies
- Individualized Minor
- International Relations
- International Studies
- Italian
- Latin
- Latin American and Caribbean Studies
- Latino Studies
- Linguistics
- Mathematics
- Medieval Studies
- Native American and Indigenous Studies
- Near Eastern Languages and Cultures
- Norwegian
- Philosophy
- Philosophy of Mind and Cognition
- Philosophy of the Arts
- Physics
- Polish Studies
- Political Science
- Political Science and Economics
- Portuguese
- Psychology
- Religious Studies
- Russian and East European Studies
- Russian and East European Studies with Language Certification
- Second Language Studies
- Slavic Languages and Literatures
- Social Science and Medicine
- Sociology

- Sociology of Work and Business
- Spanish
- Speech and Hearing Sciences
- Speech and Hearing Sciences (Pre-professional)
- Studio Art
- Telecommunications
- Theatre and Drama
- World Political Systems
- Yiddish Studies

## Secondary Teacher Certification

With very careful planning, a student may, in four years, earn a teacher's certificate for senior high/junior high/middle school and complete the requirements for a Bachelor's degree in the College of Arts and Sciences. For details, please speak to an academic advisor in the department in the College offering the major and to an academic advisor in the School of Education.

Please note that students satisfying requirements for a teaching certificate:

- may take a maximum of 29 credit hours outside the College if the courses selected are required for teaching certification;
- may need to complete more than 120 credit hours.

## List of Foreign Languages

Course sequences that fulfill the CASE Foreign Language requirement may be offered in the languages listed below. Students should consult the departmental course descriptions for specific courses. To meet the CASE Foreign Language Requirement, the College advises its students to plan for two years of consecutive fall and spring foreign language enrollments. Students can complete foreign language courses during the summer when they are offered, but the summer course selection for individual languages and course levels varies by demand and the availability of instructors; the College cannot guarantee that any one language or a specific course in a language sequence will be taught in a given summer. Students interested in less frequently taught languages must confer directly with the appropriate department; availability of multiple semesters in these languages cannot be guaranteed.

- Akan (Linguistics)
- American Sign Language (Speech and Hearing Sciences)
- Arabic (Near Eastern Languages and Cultures)
- Azerbaijani (Central Eurasian Studies)
- Bamana (Linguistics)
- Bengali (India Studies)
- Chinese—Mandarin (East Asian Languages and Cultures)
- Croatian (Slavic and East European Languages and Cultures)
- Czech (Slavic and East European Languages and Cultures)
- Dutch (Germanic Studies)
- Egyptian—Middle (Hieroglyphic) (Near Eastern Languages and Cultures)
- Estonian (Central Eurasian Studies)
- Finnish (Central Eurasian Studies)
- French (French and Italian)

- German (Germanic Studies)
- Greek—Classical (Classical Studies) and Modern (Institute for European Studies)
- Haitian Creole (Latin American and Caribbean Studies)
- Hebrew (Biblical and Modern) (Jewish Studies)
- Hindi (India Studies)
- Hungarian (Central Eurasian Studies)
- Italian (French and Italian)
- Japanese (East Asian Languages and Cultures)
- Kazakh (Central Eurasian Studies)
- Korean (East Asian Languages and Cultures)
- Lakota (Sioux) (Anthropology)
- Latin—Classical (Classical Studies)
- Mongolian (Central Eurasian Studies)
- Norwegian (Germanic Studies)
- Persian (Central Eurasian Studies)
- Polish (Slavic and East European Languages and Cultures)
- Portuguese (Spanish and Portuguese)
- Quechua (Latin American and Caribbean Studies)
- Romanian (Slavic and East European Languages and Cultures)
- Russian (Slavic and East European Languages and Cultures)
- Sanskrit (India Studies)
- Serbian (Slavic and East European Languages and Cultures)
- Spanish (Spanish and Portuguese)
- Swahili (Linguistics)
- Tajik (Central Eurasian Studies)
- Tibetan (Central Eurasian Studies)
- Turkish (Central Eurasian Studies)
- Turkmen (Central Eurasian Studies)
- Urdu (India Studies)
- Uyghur (Central Eurasian Studies)
- Uzbek (Central Eurasian Studies)
- Wolof (Linguistics)
- Yiddish (Germanic Studies)
- Yoruba (Linguistics)
- Zulu (Linguistics)

Please note that the CASE Foreign Language requirement for students in the College differs from the World Languages and Cultures requirement for the campuswide General Education curriculum. Fulfillment of the CASE Foreign Language requirement for B.A. and B.F.A. degrees will, in most cases, also fulfill the campuswide General Education World Languages and Cultures requirement.

For information on the campuswide General Education World Languages and Cultures requirement, please see [gened.iub.edu](http://gened.iub.edu).

## Suggested Program for First-Year Students

The following program is suggested only as a general guide. Students should consult with their academic advisor before determining a schedule.

**First Semester**

- One Mathematical Modeling (3-4 cr.) or Critical Approaches course (3 cr.)
- One Foreign Language (3–5 cr.) or Culture Studies course (3 cr.)
- One English Composition (3 cr.), Public Oral Communication (3 cr.) and/or other Breadth of Inquiry course (3 cr.)
- One course in potential major or elective (3 cr.)

**Second Semester**

- One Mathematical Modeling (3-4 cr.) or Critical Approaches course (3 cr.)
- One Foreign Language (3–5 cr.) or Culture Studies course (3 cr.)
- One English Composition (3 cr.), Public Oral Communication (3 cr.) and/or other Breadth of Inquiry course (3 cr.)
- One course in potential major or elective (3 cr.)

**Students with Disabilities**

Prior to registration, students with a learning disability, hearing impairment, speech impairment, or any other disability that may affect their ability to fulfill a requirement of the College should contact the [Office of Disability Services for Students](#), Wells Library, Suite W302, 1320 East Tenth Street, (812) 855-7578. Requirements will not be waived for students with disabilities; however, some modifications may be made within specific courses. Students seeking such modifications should do so early in their academic career to ensure timely progress to degree completion.

Students eligible for services from the Office of Disability Services for students may wish to enroll in COLL-C 222.

**Indiana University Affirmative Action/  
Equal Opportunity Policy**

Indiana University pledges itself to continue its commitment to the achievement of equal opportunity within the University and throughout American society as a whole. In this regard, Indiana University will recruit, hire, promote, educate, and provide services to persons based upon their individual qualifications. Indiana University prohibits discrimination based on arbitrary considerations of such characteristics as age, color, disability, ethnicity, gender, gender identity, marital status, national origin, race, religion, sexual orientation, or veteran status.

Indiana University shall take affirmative action, positive and extraordinary, to overcome the discriminatory effects of traditional policies and procedures with regard to the disabled, minorities, women, and veterans.

**Degree Requirements****CASE Curricular Requirements**

"CASE" (College of Arts and Sciences Education) is an acronym the College uses to distinguish its specific degree requirements from those of other Indiana University Bloomington schools (Kelley, Jacobs, SPEA, SPH, etc.) and from the requirements of campuswide General Education. The College's degree requirements are well-aligned with campuswide General Education, but they are not identical. All of the College's degrees incorporate

- English Composition—teaches students to read critically, summarize, apply, analyze, and synthesize what they have read, discussed, and researched—skills developed in this course are transferable to a wide variety of college courses and experiences.
- Mathematical Modeling—provides rigorous instruction in fundamental mathematical concepts and skills presented in the context of real-world applications.
- Critical Approaches to the Arts and Sciences (CAPP)—helps first- and second-year students begin to develop an understanding of the fundamental questions asked and methods employed by the various disciplines represented in the College. CAPP classes can be included in course work applied towards the Breadth of Inquiry requirement described below.
- Public Oral Communication—prepares students in the liberal arts to communicate effectively with public audiences.
- Intensive Writing (IW)—provides students with additional, focused practice in writing, preferably in their major field, under the guidance of an instructor well-acquainted with the standards of good writing in that discipline. IW classes can be included in course work applied towards the Breadth of Inquiry requirement described below.
- Breadth of Inquiry—11- to 12-course cluster that helps students to acquire broad familiarity with the general areas of human knowledge by taking courses in the Arts and Humanities, Social and Historical Studies, and Natural and Mathematical Sciences.

Two additional CASE requirements are Culture Studies and Foreign Language.

- Culture Studies—Two-part requirement where students complete a course on Diversity in the U.S. (DUS) and a course on Global Civilizations and Cultures (GCC). DUS and GCC classes can be included in course work applied towards satisfaction of the Breadth of Inquiry requirement described above. This requirement is included in all B.A., B.F.A. and B.L.S. degrees and in some B.S. degrees.
- Foreign Language—provides the fundamental skills for communicating with people from other cultures and offers insights into other patterns of thought and modes of expression. Students pursuing B.F.A. and B.A. degrees must establish proficiency in a single foreign language through the second semester of the second year of college-level course work. Students pursuing B.S. degrees should check the Foreign Language requirement for their particular degree program since the requirement varies from one degree to the next. B.L.S. students are not required to complete study in foreign language, but may apply these courses towards degree.

**Academic Advising**

The College has a staff of dedicated and knowledgeable academic advisors who help students make informed decisions about their course of study and maximize the College experience. Students should seek out and work with academic advisors in College departments that offer the majors, minors, and certificates they are

interested in pursuing. (For an up-to-date listing of all College academic advisors, please see the [Academic Advisors list](#). Advisor contact information is also available on the "Faculty" page included under the link within each College department or program. See "Departments and Programs.") Advisors can aid students in understanding of this *Bulletin* and their Academic Advisement Reports, which document student progress toward the completion of degree requirements. Nevertheless, it is imperative that students remember it is ultimately their responsibility to inform themselves about requirements to earn a Bachelor's Degree from the College, and to make sure that they plan their course of studies to achieve their academic objectives. For more information, see "Student Responsibility" in this *Bulletin*.

## CASE Credit Hour and Residency Requirements

(Please note: B.A.J. students follow the degree policies published in the [IU Journalism Undergraduate Bulletin 2014-2015](#).)

The following credit hour, GPA, upper-level credit hours and residency policies apply to all B.A., B.F.A., B.S. and B.L.S. degrees awarded by the College of Arts and Sciences. CASE requirements tied to course content and subject-matter are listed separately under CASE Curricular Requirements at the head of the Degree Requirements section.

### Overall and Upper-Level Credit Hours

1. All College awarded degrees require a minimum of 120 overall credit hours.
2. B.A. and B.F.A. degrees require a minimum of 42 credit hours in courses at the 300–400 (junior–senior) level.
3. B.S. and B.L.S. degrees require a minimum of 36 credit hours at the 300–400 (junior-senior) level.
4. B.A., B.S. and B.F.A. degrees require at least 18 credit hours at the 300–400 (junior–senior) in course work that count in the major. This policy does not apply to the B.L.S.

### Credit Hours in the Major and Inside the College

1. B.A. majors require a minimum of 30 College of Arts and Sciences credit hours in the major subject area. No B.A. major may require more than 42 credit hours. This stipulation does not apply to interdepartmental majors.
2. B.S. and B.F.A. are specialized degrees and include more hours in the major concentration; policies vary by individual degree.
3. Students in B.A. majors, who exceed the major cap of 42 credit hours, may count a maximum of 20 major credit hours toward the required minimum of 120 credit hours (See #6 below).
4. For the B.A., B.S. and B.F.A., at least 100 credit hours must be earned in courses offered by the College of Arts and Sciences ("inside hours"). Students may select the remaining 20 credit hours from courses either inside or outside of the College.
5. For the B.L.S. at least 81 credit hours must be earned in courses offered by the College of Arts and Sciences ("inside hours").
6. The sum total of credit hours taken outside of the College and excess major credit hours may not

exceed 20 credit hours. Credits beyond this 20 credit hour cap will not count towards the 120 credit hours required for degree. These caps are modified for students pursuing Secondary Teacher Certification.

### College and Major Residency

1. Following completion of their 60th credit hour toward degree, students are required to take 36 credit hours of College course work on the IU-Bloomington campus or in an IU-administered or IU co-sponsored Overseas Study program to graduate with a degree from the College.
2. Students must complete 18 credit hours of College course work in the major on the IU-Bloomington campus. In all cases, course work completed on an IU-administered or IU co-sponsored Overseas Study program counts as residential credit.

### Grade Point Average (GPA)

1. Students must have a minimum cumulative College of Arts and Sciences grade point average of 2.000 (C) in order to graduate.
2. Students must have a minimum major grade point average of at least 2.000 (C) in order to graduate.
3. Any course taken to satisfy the requirements of a major must be completed with a minimum grade of C–.
4. B.A., B.S., and B.F.A. students must have a minimum major GPA of 2.000 (C) in order to graduate.

### The B.F.A., B.S., and B.L.S. degrees have additional requirements:

1. Students pursuing the B.S. or B.F.A. degree should consult the departmental entry in the *Bulletin* that offers that particular degree. For instance, for information regarding the B.S. degree in Chemistry, students should go to the listing for Chemistry.
2. Students pursuing the B.L.S. should consult the program's entry under "B.L.S. Degree Requirements" for specific degree policies.

### General Policies

1. The College does not accept certain types of credit, including engineering, technology, or self-acquired competency credits.
2. Requests for exceptions to College requirements may be granted by written approval from the Office of Undergraduate Academic Affairs, Owen Hall. Requirements cannot be waived.
3. Students with a learning disability, hearing impairment, speech impairment, or any other disability that may affect their ability to fulfill a requirement of the College should contact the [Office of Disability Services for Students](#), Wells Library, Suite W302, 1320 East Tenth Street, (812) 855-7578, prior to registering. Requirements will not be waived for students with disabilities; however, some modifications may be made within specific courses. Students seeking such modifications should do so early in their academic career to ensure timely progress to degree completion.

## B.A. CASE Requirements and Credit Hour Chart

In addition to fulfilling the requirements for a major, students pursuing a B.A. must also complete Foundations, CASE Intensive Writing, Foreign Language, Breadth of Inquiry, Culture Studies, Public Oral Communication, and Critical Approaches requirements. (The Foundations requirement encompasses English Composition and Mathematical Modeling.) Requirements completed in one area may, under certain conditions, also fulfill requirements in other areas. Finally, students may test out of the Foreign Language requirement by virtue of appropriate performance on certain types of exams, such as Advanced Placement (AP), SAT II, and/or International Baccalaureate (IB) exams. The requirement for the major ranges from 30–42 credit hours, depending on the major.

The following chart depicts the requirements for a B.A. degree from the College. Students pursuing a B.A. should also see "Major Requirements—B.A." and "CASE Credit Hour and Residency Requirements."

Students pursuing the Bachelor of Arts in Journalism (B.A.J.) should consult the [IU Journalism Undergraduate Bulletin 2014-2015](#).

Foundations	Credit Hours
English Composition (one course)	3
Mathematical Modeling (one or two courses)	3–4
<b>Public Oral Communication</b> (one course)	3
<b>CASE Intensive Writing</b> (one course)	3
<b>Critical Approaches</b> (one course)	3
<b>Foreign Language</b> (Four-semester sequence)	10–20
<b>Breadth of Inquiry</b>	
Arts and Humanities (four courses: two for General Education and two for CASE)	12
Social and Historical Studies (four courses: two for General Education and two for CASE)	12
Natural and Mathematical Sciences (four courses; OR three courses, one of which must be a single 5-credit course that includes a substantial lab component. General Education requires either two courses, one of which must be a natural science course, OR a single 5-credit course that includes a substantial lab component. CASE requires two additional N&M courses.)	11–12
<b>Culture Studies</b>	
One course from "Diversity in the U.S." and one course from "Global Civilizations and Cultures"	6
<b>Major Concentration</b> (including at least 18 credit hours at the 300–400 level)	30–42
<b>Electives</b>	7–34

<b>Total Credit Hours</b> (including a minimum of 100 credit hours inside the College)	<b>120</b>
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## Major Requirements—B.A.

Students have three options for fulfilling the major concentration requirements for the B.A. degree: major, double (or triple) major, or interdepartmental major. For detailed information about the requirements for any particular major, please see the entries in this *Bulletin* for individual Departments and Programs. Some departments require students to complete a minor in addition to the major.

1. With the exception of interdepartmental majors, majors that are part of the B.A. degree require a minimum of 30 and a maximum of 42 College of Arts and Sciences credit hours. Students—especially those considering graduate school—may count up to 20 major credit hours taken in excess of 42 toward the 120 minimum credit hours required for the degree if the total number of credit hours outside of the College and excess major hours combined do not exceed 20.
2. Certain departments and programs do not count 100-level language courses toward the requirements.
3. Students must complete at least 18 credit hours at the 300–400 level in courses applicable to the major.
4. Any course in which the student earns a grade below C– may not be used to fulfill a major or minor requirement. Courses in which the student earns a D– or higher, however, count toward the 120 credit hour total.
5. Courses taken to satisfy the Foundations requirement in English Composition may not be applied toward a major or minor requirement.
6. The grade point average of all courses taken in the major must be at least 2.000.
7. The residence requirement of at least 18 credit hours in the major at Bloomington must be met.

### Double or Triple Majors (B.A.)

The College offers a double or triple major for the B.A. degree with the following requirements:

1. At least 27 distinct College of Arts and Sciences credit hours must be taken in each major.
2. The residence requirement of at least 18 credit hours in each major at Bloomington must be met.
3. Students must have two or three advisors, one from each department in which they propose to study.
4. With approval of the relevant major departments and the College, one course may be counted toward both majors of a double major or all three majors of a triple major program. Whether a student plans two majors or three majors, a total of only one course may be double-counted.

### Interdepartmental Majors (B.A.)

Interdepartmental majors are available in some disciplines for students who are pursuing a Bachelor of Arts degree and who wish to combine two disciplines or subjects into an interdepartmental concentration area. Such students are required to complete a minimum of 40 credit hours but cannot exceed 62 credit hours in the interdepartmental

major. However, a maximum of 20 major credit hours taken in excess of 62 may be counted toward the 120 minimum credit hours required for the degree. In no case may the total of credit hours outside the College and excess major credit hours exceed 20 credit hours.

## Requirements for the B.F.A., B.S., B.L.S., and B.A.J.

Because of the unique nature of each of the B.F.A., B.S., B.L.S., and B.A.J. degrees offered in the College, students should consult the entry in this *Bulletin* for the department or program that offers a particular degree. For instance, for information regarding the requirements for the B.S. in Chemistry, students should go to the listing, under "Departments & Programs," for the Department of Chemistry.

For information about the Bachelor of Liberal Studies degree, please see the specific entry in the "B.L.S. Degree Requirements" section of this *Bulletin*.

For information about the Bachelor of Arts in Journalism degree, please see the [IU Journalism Undergraduate Bulletin 2014-2015](#).

## B.L.S. Degree Requirements

To earn the Bachelor of Liberal Studies degree, students must complete the following requirements:

1. **Overall credit hour requirement and limitations.** Students must complete a minimum of 120 credit hours. At least 81 credit hours must be earned in courses offered by the College of Arts and Sciences. Students may select the remaining 39 credit hours either inside or outside the College, but no more than 30 of these credit hours can come from any single school outside of the College. Also, for those courses selected within the College, no more than 42 credit hours can come from any single subject area.
2. **Foundations.**
3. **CASE Intensive Writing.**
4. **CASE Breadth of Inquiry.**
5. **CASE Culture Studies.**
6. **CASE Critical Approaches.**
7. **CASE Public Oral Communication.**
8. **Concentration requirement.** Students must complete a concentration consisting of at least 30 credit hours in one of the College's Breadth of Inquiry areas (Arts and Humanities, Social and Historical Studies, or Natural and Mathematical Sciences). The following also apply to the concentration:
  - a. Courses must have the appropriate CASE Breadth of Inquiry designation at the time the course is taken;
  - b. A minimum GPA of 2.000 must be attained for all courses in the student's Concentration (Breadth of Inquiry area);
  - c. 12 credit hours in the concentration must be taken at the 300- or 400-level;
  - d. At least 15 credit hours in the concentration must be completed on the IU Bloomington campus or an IU-administered or IU co-sponsored Overseas Study program; and

e. Courses used to fulfill the concentration must include those from at least two (2) College departments.

9. **Upper-division hours requirement.** Students must complete at least 36 credit hours at the 300- or 400-level. 12 of these hours must be completed in the concentration (see 8c).

10. **Residency requirement.** Following completion of their 60th credit hour toward degree, students are required to take 36 credit hours of College course work on the IU Bloomington campus or in an IU-administered or IU co-sponsored [Overseas Study](#) program. Also, students will need to complete 15 credit hours of College course work in the concentration on the IU Bloomington campus (see 8d).

11. **GPA requirements.** To be eligible for graduation, students must have a minimum 2.000 cumulative GPA. They must also have at least a 2.000 GPA in the concentration (see 8b).

## Bachelor of Arts in Journalism (B.A.J.)

As of July 1, 2014, the School of Journalism will become the Department of Journalism in the College of Arts and Sciences. This move is a first step in the launch of The Media School at Indiana University. Entering freshmen and continuing undergraduate students interested in pursuing a major or certificate in the field of journalism will have the opportunity to follow current degree requirements and other academic policies for the Bachelor of Arts in Journalism (B.A.J.) and the [Certificate in Journalism](#) as published in the [IU Journalism Undergraduate Bulletin 2014-2015](#). In the future, continuing students will also have the opportunity to adopt degree requirements for a number of newly developed, innovative and interdisciplinary academic programs designed by the faculty of The Media School (as drawn from the departments of Journalism, Telecommunications, and Communication and Culture).

## Requirements for Certificates

Undergraduate certificates in the College are offered as concurrent credentials earned while a student is an undergraduate at Indiana University pursuing a conventional baccalaureate degree with a declared major. To earn certificates students must complete a significant body of work in an interdisciplinary field of study. The certificate marks the acquisition of a particular set of related skills that cross traditional curricular boundaries and can have practical applications that grow out of skills earned in the classroom. Certificates can require as few as 21, and as many as 30, credit hours of work. Many Indiana University students outside the College add certificates to their pre-professional degrees. Due to their interdisciplinary nature, certificates often include a wide variety of core skills courses from a broad spectrum of departments and (inter)disciplines.

Students who want to pursue the [Certificate in Journalism](#) should consult the [IU Journalism Undergraduate Bulletin 2014-2015](#).

In completing requirements for certificates, students should be aware of the following College of Arts and Sciences policies and procedures:

1. A certificate must include at least 21 credit hours.
2. A certificate must include at least 9 credit hours at the 300–400 level.
3. Students must complete at least 9 credit hours in the certificate in residences on the Bloomington campus.
4. Certain departments and programs do not count 100-level language courses toward the requirements for their certificates.
5. Any course in which the student earns a grade below C– may not be used to fulfill a certificate requirement.
6. The grade point average of all courses taken in the certificate must be at least 2.000.
7. Some certificates may have a higher overall grade point average requirement.
8. Courses taken to satisfy the Foundations requirement in English Composition may not be applied toward a certificate requirement.

Course-specific requirements for certificates can be found in the "List of Certificates" or in departmental entries in this *Bulletin*.

For certificates outside the College of Arts and Sciences that can be listed on a College student's transcript, please see the section of this Bulletin entitled "Opportunities Outside the College."

## Requirements for Minors

The College of Arts and Sciences offers more than 80 minors, each consisting of at least 15 College of Arts and Sciences credit hours drawn from a subset of departmental courses that focus on a set of well-defined skills associated with an established field of study or discipline. The minor does not require the same degree of immersion or specialization as a major. Students with a major in one department (e.g., English) may satisfy the requirements for a minor in a different department (e.g., Religious Studies). A student may complete up to three minors in addition to their required major. A few majors require that students also complete a minor. Only those minors that are listed in this *Bulletin* may appear on student transcripts. Students planning to complete a minor should consult the [advisor](#) in the department in which the minor is offered.

The following policies and requirements apply to all minors offered by the College and outside minors College students wish to list on their transcripts:

1. A minor must consist of at least 15 or more credit hours.
2. A minor must include at least 9 credit hours at the 300–400 level.
3. A student must complete at least 9 credit hours in the minor in courses on the Bloomington campus.
4. Certain departments and programs do not count 100-level language courses toward minor requirements.
5. Any course in which the student earns a grade below C– may not be used to fulfill a minor requirement.

6. The grade point average of all courses taken in the minor must be at least 2.000.
7. Some minors may have a higher overall grade point average requirement.
8. Courses taken to satisfy the Foundations requirement in English Composition may not be applied toward a minor requirement.

Course-specific requirements for minors can be found in the "List of Minors" or in departmental entries in this *Bulletin*.

For a list of minors outside the College of Arts and Sciences that can be listed on a College student's transcript, please see the section of this *Bulletin* entitled "Opportunities Outside the College."

## CASE Foundations

### CASE English Composition

The **CASE English Composition requirement** can be satisfied by any course used for that purpose in the campuswide General Education Curriculum at Indiana University. Please see [http://www.gened.iub.edu/requirements/english.html](#) and note the minimum grade needed.

Students are exempted from the CASE English Composition requirement if they meet the following standards:

- SAT (recentered) Verbal score of 670 or higher; or
- ACT English score of 32 or higher; or
- AP Program English: Composition and Literature score of 4 or 5; or
- AP Program English: Language and Composition score of 4 or 5.

Students earning one of the above test scores AND a score of 660 or higher on the SAT II: Writing Test qualify for exemption from the CASE English Composition requirement and become eligible to apply for 2 credit hours in English W143 with a grade of S (satisfactory). Please call the English Department at (812) 855-1430 to request this special credit.

### CASE Mathematical Modeling

The **CASE Mathematical Modeling requirement** can be satisfied by any course used for that purpose in the campuswide General Education Curriculum at Indiana University. Please see <http://www.gened.iub.edu/requirements/math.html>. Note that the same course can simultaneously count toward the campuswide General Education Curriculum's Mathematical Modeling requirement and the CASE Breadth of Inquiry requirement in Natural and Mathematical Sciences (**CASE N&M**).

## CASE Public Oral Communication

Candidates for all bachelor's degrees in the College of Arts and Sciences must complete the Public Oral Communication requirement. A course in Public Oral Communication prepares students in the liberal arts to communicate effectively with public audiences. The course emphasizes oral communication as practiced in public contexts: how to advance reasoned claims in public; how to adapt public oral presentations to particular audiences; how to listen to, interpret, and evaluate public discourse; and how to formulate a clear response. The ability to communicate effectively in a public setting is an essential component of a liberal arts education and

an important skill needed in every discipline. Employers continually emphasize the need for students to have well-developed oral communication skills.

Courses that fulfill this requirement are designated with **CASE POC**.

**COLL-P 155 Public Oral Communication (3 cr.) CASE POC** Prepares students in the liberal arts to communicate effectively with public audiences. Emphasizes oral communication as practiced in public contexts: how to advance reasoned claims in public; how to adapt public oral presentations to particular audiences; how to listen to, interpret, and evaluate public discourse; and how to formulate a clear response. Credit given for only one of P155, CMCL-C 121, or CMCL-C 130.

## CASE Intensive Writing

The CASE Intensive Writing (IW) requirement may be fulfilled by completing one Intensive Writing course at or above the 200 level after completing the English Composition requirement. Normally, CASE Intensive Writing sections are taught by faculty in small sections and include written assignments in which students are asked to make, illustrate, and develop arguments. Graded revision of assignments is a requirement of all CASE Intensive Writing courses. Students must check the listings for courses in the online [Schedule of Classes](#) each semester to make certain that the course section they have chosen fulfills the requirement.

CASE Intensive Writing credit will not be awarded for written work in courses that are not listed as CASE Intensive Writing unless special arrangements have been completed and approved prior to the relevant deadline. All special arrangements are subject to the approval of the College. Students who wish to arrange an individual Intensive Writing component for a course or section that is not listed as CASE Intensive Writing must obtain the approval of the faculty director of undergraduate studies of the department of their major concentration as well as that of the Office of Undergraduate Academic Affairs of the College of Arts and Sciences, Owen Hall.

Deadlines for submitting a [Proposal to Satisfy Intensive Writing by Special Arrangement](#) are:

- the end of the second week of instruction for regular semester-length courses,
- the end of the first week of instruction for eight-week courses, and
- the end of the first week of instruction for a course taught in a summer session.

## CASE Foreign Language

Students pursuing the B.A. or B.F.A. degree in the College must establish proficiency in a single foreign language through the second semester of the second year of college-level course work. Students pursuing B.S. degrees should check the Foreign Language requirement for their particular degree program since the requirement varies according to the degree being pursued. Students are encouraged to include foreign language study in their first semester at Indiana University Bloomington (IUB) and plan for two years of consecutive fall and spring foreign language enrollments. Students can complete foreign language courses during the summer when they are offered, but summer course selection for individual

languages and course-levels varies by demand and instructor availability; the College cannot guarantee that any one language or a specific course in a language sequence will be taught in a given summer.

Completion of the CASE Foreign Language requirement can be achieved in four ways:

1. Completion of the final course in the sequence (i.e., fourth-semester course in a particular language).
2. Testing out of the requirement by virtue of appropriate performance on certain types of exams, such as Advanced Placement (AP), SAT II, and/or International Baccalaureate (IB) exams. Check with the relevant department for additional information about which type of exam is accepted.
3. Appropriate official documentation that the student has proficiency via formal education in a language other than English. This documentation must be from an accredited international institution which is considered appropriate by both the relevant department and the College of Arts and Sciences. Such documentation generally indicates satisfactory completion of a secondary education in a language other than English—i.e., a transcript.
4. Satisfactory completion of a proctored proficiency exam administered by the relevant department (NOT the placement exam), if such an exam is offered by that department.

Completion of high school foreign language courses is not accepted as completion of the requirement.

**Please note** that the CASE Foreign Language requirement differs from the campuswide General Education curriculum's World Languages and Cultures requirement. Fulfillment of the CASE Foreign Language requirement for B.A. and B.F.A. degrees will, in most cases, also fulfill the campuswide General Education's World Languages and Cultures requirement. For information about the latter, please see <http://gened.iub.edu/requirements/genedrequire.html>.

### Placement

Students who matriculate to Indiana University with prior knowledge of a foreign language must take the placement test in that language before registering for their first semester's classes to identify the appropriate foreign language course to take at IU Bloomington. For the following languages, this is done online:

Chinese	French	German
Hebrew	Italian	Japanese
Latin	Spanish	

For all other languages, please visit the website of the relevant department for information on their placement tests.

### Proficiency

The test used for placement is NOT the same exam used to establish proficiency in foreign language. A few departments offer proficiency exams to students who wish to demonstrate that they do not need any additional foreign language enrollment/study to meet the IU General Education World Languages and Cultures requirement and/or the College's CASE Foreign Language requirement. Proficiency exams are not tied to special

credit. Domestic students interested in establishing proficiency should contact the department offering the relevant language. International students who wish to use their native language (if their native language is not English) to establish foreign language proficiency should complete the [Application for Establishment of Foreign Language Proficiency for Non-Native Speakers of English](#). Students interested in this option should complete the process as early in their undergraduate careers as possible.

### **Special Credit Policy**

Degree-seeking students can earn a maximum of two semesters of special credit for foreign language and this special credit is limited to two semesters of second-year study (the third and fourth semesters). The number of credits varies according to the language. To earn special credit, students must take the placement test offered by the appropriate department at IUB, complete a validating course on the IUB campus at the level into which the student placed (or higher) with a grade of C or higher, and apply for the special credit to be posted retroactively. If a student earns a grade of C– or below in the validating course, s/he will not earn special credit.

- To be eligible to earn foreign language special credit, students must take a validating language course which must be their first IUB course in that language. A transfer course may not be used as a validating course.
- If a student drops the validating language course, s/he can re-enroll and be eligible for special credit provided that s/he earns a grade of C or higher in the course. Grades (A, B, C, etc.) are not given for special credit. Students with native language fluency (i.e., students who learned the target foreign language in ways other than formal schooling/instruction) are not eligible to earn special credit in that language.
- Students can earn special credit in more than one language as long as they meet the other requirements listed above and below to earn special credit.
- Students who have taken the AP, SAT II, or the IB exam must check with the respective language department to find out departmental policy regarding which exam has precedence in terms of placement in language classes. Policies regarding AP, SAT II, and IB credit are unrelated to those for IU special credit, so AP, SAT II, and IB credit remain unaffected by the College's special credit policy.

Special credit can be awarded for all third- and fourth-semester foreign language courses. The validating foreign language course:

- Must be taught at IUB;
- Can only be a fourth-semester language course or higher;
- Must be the student's first course in that language at IUB;
- May only be completed once in an effort to earn special credit; and
- Must be completed with a grade of C or higher.

Students interested in special credit in foreign language should complete their validating course as soon as they begin their studies at IUB.

### **CASE Breadth of Inquiry**

Students pursuing a B.A. or B.F.A. in the College must complete 6 courses in CASE Breadth of Inquiry in addition to the Breadth of Inquiry courses that they must complete for campuswide General Education including two designated courses in the arts and humanities, two designated courses in social and historical studies, and two designated courses in natural and mathematical sciences. For information about Breadth of Inquiry requirements for the B.L.S. or B.S. degrees, please see the entry for the department or program that offers the degree in question. Specific courses that fulfill the College's Breadth of Inquiry requirement are designated by abbreviations following the course titles (CASE A&H, CASE S&H, or CASE N&M). For a complete list of courses that fulfill the Breadth of Inquiry requirement, please use the [CASE Course Designations](#) tool.

Courses to be considered for CASE Breadth of Inquiry credit must be conducted as formal classes. A course can carry only one Breadth of Inquiry designation.

### **Arts and Humanities (CASE A&H)**

Courses in this area examine the complexity of human experience, interrogate the range of human thought and emotion, interpret varieties of aesthetic expression, and grapple with moral issues. Such courses analyze written texts and works in literature, the visual arts, music, and the other performing arts, as well as philosophical and religious thought, and intellectual and cultural traditions from both contemporary and historical perspectives. They also develop the abilities to think rationally and to construct and assess opinions, ideas, and arguments. The approach may be comparative, historical, or analytical, but the emphasis is on developing students' interpretive and critical skills.

Courses approved for Arts and Humanities Breadth of Inquiry credit explore and analyze the artifacts of human expression and/or put their knowledge into practice through producing work in (a) literary form, (b) the visual arts (painting, sculpture, textiles, etc.), (c) musical composition and performance, or (d) dramatic performance (live theater, video and film, dance, etc.). These courses should include some written component—whether an analytical paper, a research paper, or a response to an aesthetic experience.

### **Social and Historical Studies (CASE S&H)**

Courses in this area analyze social institutions, the behavior of individuals in social contexts and historical settings, and changes in social conditions over time. Such courses study the political, economic, and cultural institutions of society, from individuals in social interactions to the international system of nation-states and transnational organizations and actors as well as changes in the human condition over time, including the inception, development, and transformation of institutions and civilizations, ideas, genres, or forms of representation.

Courses approved for the Social and Historical Breadth of Inquiry credit help students gain knowledge of human cultures and the impact of historical events by (a) understanding and using appropriate theoretical

underpinnings and methodologies, (b) developing their critical analytical skills, (c) increasing social awareness and the ability to reason ethically, and (d) developing an appreciation for diversity and inclusiveness. These courses should include some written component, whether an essay, an analytical paper or a research paper that address social, historical and/or cultural aspects of human cultures and events.

### **Natural and Mathematical Sciences (CASE N&M)**

Courses in this area provide an understanding of physical and biological phenomena, introduce students to systematic investigation of those phenomena, show the value of scientific inquiry and hypothesis testing, review the state of the science related to scientific theories and natural laws and the evidence for them, and establish the role and approaches of mathematics. Courses cover the natural sciences, introducing and emphasizing basic principles of the chemical, physical, and life sciences, and expand students' understanding of the physical world and scientific inquiry about it, as well as analytical reasoning and mathematics. Courses may focus on forms of reasoning or the nature and processes of cognition and computation.

## **CASE Culture Studies**

The purpose of the Culture Studies curriculum is to introduce students to cultural systems, to allow students to define what is commonly meant by the term "culture," and to examine critically specific examples of culture. The curriculum also provides students with the opportunity to explore the relationship between cultural artifacts and the community that produced them and/or draw comparisons between different cultures. This exposure can lead students to understand the facts, possibilities, and limitations of their own cultural conditioning.

**Diversity in the U.S. (CASE DUS)** courses will offer students the chance to explore cultural artifacts and the communities that produced them and may also allow for students to learn about the choices made by individuals and communities as they create, refine, and blend cultures. Students will study values, attitudes and methods of organizing experience that may diverge or dissent from the predominant American culture, allowing them to better understand the facts, possibilities and limitations of their own cultural world view. Under the rubric of diversity, the College includes race, ethnicity, gender, class, age, sexual orientation, religious practice, and multiple other categories. We wish to ensure that students are introduced to a cultural system in the United States which differs from that of mainstream America.

**Global Civilizations and Cultures (CASE GCC)** courses examine cultures and/or cultural artifacts from outside the United States as a means of understanding the communities that produced them and the relationships of these communities to other groups of people. Such courses convey the distinctive world view, institutions, and patterns of organization of another culture. Not restricted to a chronology of events or one aspect of the traditions or institutions of a particular cultural group, these courses instead teach the relationships among some of the following aspects of the culture: art, religion, literature, philosophic traditions, social behavior and institutions, and linkages with other cultures. A course on one specific aspect of a culture--for example, its

art or political institutions--would fulfill the spirit of the requirement only if it devoted a substantial amount of time to the relationships between that specific aspect and the culture more generally. Similarly a course might have a broad conceptual focus within a narrow geographical and temporal setting (such as the intellectual and aesthetic traditions of Russia under Catherine the Great) or a narrow conceptual focus across a broad geographical or temporal setting (such as the political institutions of Africa in the pre-colonial period.)

Please note that the College's CASE Culture Studies requirement is different from the campuswide General Education curriculum's World Languages and Cultures requirement. Students in the College must fulfill the CASE Culture Studies requirement, the CASE Foreign Language requirement, and the campuswide General Education's World Languages and Cultures requirement. Fulfillment of the CASE Foreign Language requirement for B.A. and B.F.A. degrees will, in most cases, also fulfill the campuswide General Education's World Languages and Cultures requirement. For information about the latter, please see <http://gened.iub.edu/requirements/genedrequire.html>.

Students pursuing a B.A., B.F.A., or B.L.S. degree in the College must observe the following guidelines when fulfilling the CASE Culture Studies requirement:

1. Students are required to complete two courses that carry CASE Culture Studies credit, one from "Diversity in the U.S." and one from "Global Civilizations and Cultures" (for a list of designated courses, please use the CASE Course Designations tool).
2. Students who successfully complete a semester (or more) abroad in a program sponsored by the Indiana University Office of Overseas Study will satisfy the "Global Civilizations and Cultures" component of the CASE Culture Studies requirement. These students must still complete a course designated "Diversity in the U.S."

## **CASE Critical Approaches**

Courses in Critical Approaches (CAPP) are intended to help first- and second-year students begin to develop an understanding of the fundamental questions asked and methods employed by the various disciplines represented in the College. Rather than focusing on depth of coverage, CAPP courses introduce students to the different kinds of scholarship that take place in a university. Through these courses, students learn about the ways particular disciplines seek answers, solve problems, and organize ideas. Alternatively, these courses can demonstrate the merits of viewing a problem from an interdisciplinary or a multidisciplinary perspective. CAPP courses also teach students how to seek information from various sources, evaluate the validity of that information, and construct arguments. One of the main objectives of these courses is to instill sound research and writing practices that students will employ in their future undergraduate course work.

Any student who is a candidate for a bachelor's degree offered by the College is required to complete one CAPP course on the Bloomington campus. This includes students who transfer from other IU Bloomington schools, from other IU campuses, and from other institutions.

Students are encouraged to take this course in their first year; in any case, they should plan to take their CAPP course no later than the first semester of their second year.

For a listing of all courses that can satisfy the CAPP requirement, please use the [CASE Course Designations](#) tool. For semester-specific CAPP course descriptions, see the College website at [college.indiana.edu/undergrad/courses.php](http://college.indiana.edu/undergrad/courses.php) and search on "CASE Critical Approaches" for the relevant semester. CAPP courses can also be counted toward a College and campuswide General Education Breadth of Inquiry requirement.

### **Critical Approaches Course Descriptions**

Course descriptions for courses that fulfill the Critical Approaches requirement (COLL) are below. For more information about courses with the COLL-S prefix, see Intensive Freshman Seminars:

**COLL-C 103 Critical Approaches to the Arts and Humanities (3 cr.) CASE A&H, CASE CAPP** Specific topics will vary by section and over time, but all versions of C103 will meet the objectives of the College of Arts and Sciences Critical Approaches curriculum. The curriculum is intended for freshmen and sophomores, who will learn how scholars from the arts and humanities Breadth of Inquiry area frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Credit given for only one of COLL-C 103 or COLL-S 103.

**COLL-C 104 Critical Approaches to the Social and Historical Studies (3 cr.) CASE S&H, CASE CAPP** Specific topics will vary by section and over time, but all versions of C104 will meet the objectives of the College of Arts and Sciences Critical Approaches curriculum. The curriculum is intended for freshmen and sophomores, who will learn how scholars from the social and historical studies Breadth of Inquiry area frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Credit given for only one of COLL-C 104 or COLL-S 104.

**COLL-C 105 Critical Approaches to the Natural and Mathematical Sciences (3 cr.) CASE N&M, CASE CAPP** Specific topics will vary by section and over time, but all versions of C105 will meet the objectives of the College of Arts and Sciences Critical Approaches curriculum. The curriculum is intended for freshmen and sophomores, who will learn how scholars from the natural and mathematical sciences Breadth of Inquiry area frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Credit given for only one of COLL-C 105 or COLL-S 105.

### **Intensive Freshman Seminars**

The following Intensive Freshman Seminars also fulfill the Critical Approaches requirement.

**COLL-S 103 Freshman Seminar in Arts and Humanities (3 cr.) CASE A&H, CASE CAPP** Introduction to college-level projects chosen from arts and humanities fields. Students will learn how scholars frame questions, propose answers, and assess the validity of competing approaches in a small-class experience with a faculty member. Writing and related skills are stressed. Topics

will vary. Open only to freshmen. Credit given for only one of COLL-S 103, COLL-C103, or COLL-E 103.

### **COLL-S 104 Freshman Seminar in Social and Historical Studies (3 cr.) CASE S&H, CASE CAPP**

Introduction to college-level projects chosen from social and historical studies fields. Students will learn how scholars frame questions, propose answers, and assess the validity of competing approaches in a small-class experience with a faculty member. Writing and related skills are stressed. Topics will vary. Open only to freshmen. Credit given for only one of COLL-S 104, COLL-C 104, or COLL-E 104.

### **COLL-S 105 Freshman Seminar in Natural and Mathematical Sciences (3 cr.) CASE N&M, CASE CAPP**

Introduction to college-level projects chosen from natural and mathematical science fields. Students will learn how scholars frame questions, propose answers, and assess the validity of competing approaches in a small-class experience with a faculty member. Writing and related skills are stressed. Topics will vary. Open only to freshmen. Credit given for only one of COLL-S 105, COLL-C 105, or COLL-E 105.

## **Second Bachelor's Degree**

In certain cases the Dean may admit Bachelor's degree holders or students currently pursuing a Bachelor's degree at IU Bloomington to candidacy for a second Bachelor's degree. There are two types of second degrees, concurrent and sequential. A concurrent degree is one earned simultaneously with a first degree. A sequential degree is one earned subsequent to a first degree (earned at IUB or elsewhere). Admission to second degree candidacy is a selective process. Applicants must meet all eligibility requirements. Candidates for second degrees must complete all degree requirements for the College of Arts and Sciences and the major(s) that they are pursuing.

Students interested in pursuing a concurrent second degree should meet with the academic advisor for the intended major of the second degree to discuss both their eligibility and rationale for pursuing a second degree. Students should download the [Second Bachelor's Degree application](#) from the College Recorder's Office website and complete it before meeting with the second-degree advisor. Concurrent applications are accepted on a rolling basis.

Students interested in pursuing a sequential second degree should contact the College at [colldeg2@indiana.edu](mailto:colldeg2@indiana.edu) to request application information. Students who currently hold a Bachelor's degree and wish to further their education in the same field of study as their first degree or in a closely related field should consider working toward admission to a graduate program instead of pursuing a second Bachelor's degree. Students who are certain that they want to pursue a sequential second degree must provide a compelling rationale for pursuing a second Bachelor's degree and evidence of their commitment to completing the second degree if admitted. Sequential application deadlines are April 1 for a fall start, and November 1 for a spring start. (International student deadlines are April 1 for a fall start, and September 15 for a spring start.)

## Courses Outside the College

A candidate for a bachelor's degree in the College of Arts and Sciences, with the exception of the B.L.S. degree, must satisfactorily complete a minimum of 100 credit hours in courses offered by the College. Students may select the remaining 20 credit hours from courses in the College of Arts and Sciences and/or from courses outside the College. (Please note that certain specific courses from both the Jacobs School of Music as well as the School of Informatics and Computing in Computer Science that are listed as being approved for CASE Designations may be counted among the 100 credit hours inside the College of Arts and Sciences.)

Students satisfying requirements for a teaching certificate may take a maximum of 29 credit hours outside of the College if the courses selected are required for teaching certification. Students planning teacher certification may need to complete more than 120 credit hours and should confer with the academic advisor in their major and with an academic advisor from the School of Education early in their academic careers. Students should also consult the *School of Education Undergraduate Academic Bulletin*.

The College does not accept certain types of credit, including engineering, technical, or self-acquired competency credits.

## Policies & Procedures

### **The Bulletin and "The Code"**

The College and campus policies described in the "Policies and Procedures" section of this *Bulletin* inform students how to process conventional requests related to their enrollment, academic standing, and academic records. For detailed information on the policies and procedures governing appropriate personal conduct while a student at Indiana University, students are encouraged to consult [The Code of Student Rights, Responsibilities and Conduct](#). This document identifies the basic rights, responsibilities, and expectations of all students and student groups at Indiana University. Both *The College of Arts and Sciences 2014–2015 Bulletin* and *The Code* are designed to provide essential information that will help to improve students' overall experience at Indiana University.

## Academic Policies & Procedures

### **Petitioning the College of Arts and Sciences**

Exceptions to College policies may be granted only in rare instances upon written petition to the College of Arts and Sciences.

## Absences from Final Examinations

A student who fails to attend the final examination of a course and who has a passing grade up to that time may be given a grade of I (Incomplete) if the instructor has reason to believe the absence was beyond the student's control. If not, a grade of F must be recorded. (For additional information regarding Incompletes, please see the section of this *Bulletin* entitled "Grade of Incomplete.") The Committee on Absence of the [Division of Student Affairs](#) reviews excuses concerning absences from final examinations and informs instructors of its decisions.

## Absences from Scheduled Classes

Illness is usually the only acceptable excuse for absence from class. All absences must be explained to the satisfaction of the instructor, who will decide whether omitted work may be made up. The names of students who are absent excessively are to be reported by their instructor to the Dean of Students.

## Addition of Courses

No course may be added by an undergraduate student after the first week of a semester or summer session without the approval of the instructor of the course, the chair of the department in which the course is offered, and the dean of the school in which the student is enrolled.

## Grade Appeals and Retroactive Changes

Appeals of grades should be resolved with the instructor who recorded the disputed grade. If the student and instructor cannot resolve the matter, the student should discuss it further with the chair of the department offering the course. Appeals unresolved at the department level may be referred to the academic assistant deans. Appeals of grades or requests for other actions after the conclusion of a course should be made as soon as possible. Such requests will not be considered after one calendar year from the end of the semester in which the course in question was taken. Note that grades of I (Incomplete) or W (Withdrawal) may not be recorded for a course when a student has taken the final exam, or completed the final paper or project for the course.

## Applying for Graduation

An application for graduation with a degree must be submitted to the [College Recorder's Office](#) in Owen Hall 003 nine to twelve months ahead of the desired graduation date. Applications can be submitted online from the [Recorder's Office website](#). This should be done no later than June 1 for subsequent May graduation, no later than December 1 for subsequent August graduation, and no later than March 1 for subsequent December graduation. Failure to file an application by these deadlines may delay graduation.

Candidates for degrees must have all credit on record at least six weeks before the conferral of degrees, except that of the current semester. Credit for current semester enrollment in Indiana University or non-Indiana University programs must be posted on the student's Indiana University transcript by the last day of the semester in which the student wishes to graduate. Students enrolled in non-Indiana University programs should make arrangements to have their transcripts sent to the Indiana University [Office of Admissions](#) on the Bloomington campus as soon as possible once final grades are posted. Students enrolled in programs where grades will be reported after the end of the Indiana University Bloomington semester should apply for the next appropriate graduation date.

Please consult with the College Recorder's Office (Owen Hall 003, [coasrecd@indiana.edu](mailto:coasrecd@indiana.edu), 812-855-1821), for further information.

## Change of Major

To be eligible to declare a new major, students must have a minimum grade point average of at least 2.000. To change their major, students in the College must contact [the academic advisor](#) in the department in which they wish to become a major. The advisor will submit a Major or School Change Request to the College Recorder's Office for processing.

For information on the requirements for transferring into the College, see "Transfers from Programs in Other Schools on the Bloomington Campus ("School Change").

## Class Standing

Class standing is based on the number of credit hours completed toward graduation:

- Freshman, fewer than 26 credits
- Sophomore, 26 to 55 credits
- Junior, 56 to 85 credits
- Senior, 86 or more credits

## Credit for Correspondence Courses

Courses taken by correspondence may not be applied to any degree requirement of a bachelor's degree without prior special permission of the Dean.

## Credit by Examination

Students may receive credit for certain courses by successful performance on the SAT, SAT II Subject Tests, College Board Advanced Placement Tests, International Baccalaureate (IB) Higher Level (HL) exams, and, with permission of the Dean, examinations offered by academic departments while at Indiana University. The appropriate department of the College reviews the placement tests in order to make recommendations about advanced standing. Students who believe that they are prepared for advanced study or that they are eligible for special credit because of superior preparation are urged to accelerate their college programs by taking the requisite exams. Students may thus graduate early, or they may use the time gained to take higher-level courses. Credit will be recorded simply with the grade of S (Satisfactory) unless the examination clearly merits an A grade and the department requests the use of a grade other than S. Failure to pass the examination carries no penalty. Fees for special credit/credit by examination are waived for undergraduate students enrolled in an IU degree-seeking program for at least 12 credit hours in either the fall or spring semester. Regular credit-hour rates apply for graduate students and undergraduate students enrolled in fewer than 12 credit hours.

For a discussion of credit offered for foreign language exams, please see the section of this *Bulletin* entitled "Foreign Language Requirement."

## Graduation Dates

Degrees are conferred in December, May, and August; Commencement ceremonies are held in May and December. Candidates for degrees in August may participate in the May Commencement.

## Extended X

Indiana University allows students to retake up to three IU courses (or a total of 10 credit hours) and replace the grades earned in the first enrollment with the grades

earned in the second enrollment, with some significant restrictions. Students wishing to pursue this option should read the [full text of the policy](#) on the Registrar's website. Additionally, College of Arts and Sciences students should contact their academic advisor(s) and the College Recorder's Office, Owen Hall 003, (812) 855-1821.

**Important Note:** The College does not acknowledge this policy for internal GPA purposes. All grades in completed course work, even if an "X" is on record, are calculated into the College of Arts and Sciences cumulative GPA. Since this policy does not affect the College's GPA (that is, the College still includes the grade earned in the first enrollment in the College GPA), class rank, major GPA, and the academic standing of College of Arts and Sciences students remain unaffected by any "X" grade. This policy does not apply to the B.L.S.

## Four or More Exams in One Day

In the event of four or more final exams scheduled in one day, the instructor/department of the fourth exam is obligated to adjust the student's exam time, provided the student notifies them by the mid-point of the semester.

The student may exercise the following options:

1. Take all final examinations as they are scheduled;
2. Consult with instructors or departments giving the final examinations to determine if any make-up examination(s) is or can be scheduled;
3. If no make-up examination is available, then the student must notify the instructor or department of the course scheduled for the fourth (and additional) final examination of the day. That instructor or department will then be obligated to adjust the student's final examination schedule, provided the student has notified the department.

It is the student's responsibility to be aware of the date and time of the final examination for each of his or her classes before officially enrolling. See the [Enrollment and Student Academic Information Bulletin](#) (Office of the Registrar) each semester for further information.

## Grading System

Grades are awarded on the following basis:

A	4.000	Excellent
A-	3.700	
B+	3.300	
B	3.000	Good
B-	2.700	
C+	2.300	
C	2.000	Average
C-	1.700	
D+	1.300	
D	1.000	Poor
D-	0.700	
F	0.000	Unsatisfactory

## Graduate-Level Course Work

Under normal circumstances undergraduate students should not be enrolled in graduate-level courses. If,

however, the instructor, the department and the student agree that the course is appropriate given the student's academic goals and interests and that s/he is qualified to take the course, the student may enroll. The student must accept full responsibility for fulfilling the course requirements and for the grade earned.

Even if the student has successfully completed a graduate-level course, it will satisfy degree requirements for a bachelor's degree only by special permission of the Dean. Approval for graduate-level courses to be applied toward the requirements for a bachelor's degree is not guaranteed, but rather is granted on a case-by-case basis. To request such approval, the following procedure should be followed:

1. The student obtains permission from the instructor of the course and the department to enroll in the graduate-level course;
2. The student asks his/her academic advisor to submit an exception in the College database;
3. The Dean reviews the exception request and notifies the academic advisor of the decision;
4. The academic advisor notifies the student of the decision.

In those cases in which undergraduates are permitted to count graduate-level course work toward a bachelor's degree, no more than 12 credit hours will be counted. Graduate courses taken while an undergraduate and counted toward the requirements of a bachelor's degree may not count toward a graduate degree at Indiana University (and may also not count toward graduate degrees at other universities).

**Note:** This policy does not apply to graduate credit earned by students participating in a number of highly selective College-sponsored accelerated five-year undergraduate/graduate degree programs. For details consult "Accelerated Undergraduate/Graduate Degree Programs" in this *Bulletin*.

## Grade of Incomplete

A grade of I (Incomplete) may be given only when the work of the course is substantially completed and when the student's work is of passing quality. A grade of I may not be given when a student has taken the final exam or completed the final paper or project for the course. When an I is assigned, a record must be maintained in the office of the department in which the grade was given. The record will include a statement of the reason for recording the I and an adequate guide for its removal and a suggested final grade in case the instructor should leave campus for an extended time.

The time allowed for the removal of an I may not exceed one calendar year from the date of its recording, although the dean of the student's college or school may authorize adjustment of this period in exceptional circumstances.

To complete a course in which a student received a grade of I, the student should consult with the instructor. The student should not reenroll in the course.

By assigning an I, an instructor implicitly authorizes and requires the I to be changed to an F at the end of one calendar year if that instructor does not act to remove the I. The registrar will automatically change the I to an F at the end of this time period. Both the student and the

instructor in whose course the student received the I will be notified of this change of grade.

These regulations do not apply to Research and Readings courses in which completion of the work of the course is not necessarily required at the end of the semester and the grade R (Deferred) is given. Once a student has graduated, nothing in these regulations shall prohibit the I from remaining on the record.

## Junior College Credits

No more than 60 credit hours earned in accredited junior colleges may be applied toward a degree.

## Pass/Fail Option

During their undergraduate program, students in good standing (not on probation) may enroll in a maximum of eight elective courses to be taken with a grade of P (Pass) or F (Fail). The Pass/Fail option is available for a maximum of two courses per academic year, including summer sessions. For the Pass/Fail option, the academic year is defined as beginning with the start of the fall semester and ending with the end of the second summer session. The course selected for Pass/Fail must be an elective. It may not be used to satisfy any of the CASE Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Culture Studies, Public Oral Communication, or Critical Approaches requirements. Nor may it be counted as a part of the student's concentration area, minor, or certificate program. Credit earned for courses completed using the pass/fail option can be applied towards the minimum 120 hours required for degree and the minimum number of credit hours completed at the 300–400 level. During the freshman year, students may elect to take activity courses in the School of Public Health on a Pass/Fail basis in addition to the two other permitted courses.

Students who wish to use the Pass/Fail option must submit the appropriate form to the College Recorder's Office by the relevant deadline. See the [Enrollment and Student Academic Information Bulletin](#) (Office of the Registrar) for deadline dates, including deadlines for eight-week sessions.

A grade of P is not counted in computing grade point averages; a grade of F is counted. A grade of P cannot be changed subsequently to any other letter grade.

## Status Update Form

As do students from all other units of the university, College of Arts and Sciences undergraduates who have been away from the university for two sequential regular semesters must fill out a brief informational form regarding their activities while away from the university system. For information regarding the [Status Update Form](#), please contact the College Recorder's Office, Owen Hall 003, (812) 855-1821, [coasrecd@indiana.edu](mailto:coasrecd@indiana.edu).

## Transcripts

Complete information on transcripts can be found in the [Enrollment and Student Academic Information Bulletin](#).

Requests for transcripts must be made in person or in writing to the Office of the Registrar, 408 N. Union Street, Indiana University, Bloomington, IN 47405, or via email to [registrar@indiana.edu](mailto:registrar@indiana.edu).

## Withdrawals from Courses

The College permits withdrawal from courses with the automatic grade of W (Withdrawal) until the end of the eighth week of classes during the regular academic year, until the end of the fourth week of classes for eight-week courses, and until the end of the first two weeks of classes during a summer session. See the [Enrollment and Student Academic Information Bulletin](#) for deadline dates for a particular semester.

Petitions for late withdrawal after the periods specified above will not be authorized by the Dean except for urgent reasons beyond the student's control related to extended illness or equivalent distress. The desire to avoid a low grade is not an acceptable reason for withdrawal from a course.

If students withdraw with the Dean's consent, their grade in the course shall be W if they are passing at the time of withdrawal and F if they are not passing. As with all grades, instructors will assign the appropriate grade. The grade will be recorded on the date of withdrawal. Failure to complete a course without authorized withdrawal will result in a grade of F. The grade of W may not be recorded for a course when a student has taken the final exam, or completed the final paper or project for the course.

## Academic Standing

### Academic Probation

Students are on academic probation when their cumulative or major grade point average is below 2.000 (C). They are also on probation for the duration of the regular semester following one in which they failed to attain at least a 2.000 (C) grade point average. Students on academic probation must comply with any restrictions the Dean of the College deems necessary.

### Candidates for Bachelor's Degrees in Good Standing

Students are considered to be candidates in good standing for an Indiana University bachelor's degree when they have been regularly admitted by the Office of Admissions, when their academic grade point average is not less than a 2.000 (C) for the last semester's work, and when their cumulative grade point average and major grade point average are at least 2.000 (C).

### Dismissal

Students are dismissed from the College of Arts and Sciences when, in the judgment of the Academic Retention Committee, they have ceased to make adequate progress toward their degree. Students are automatically dismissed when they:

1. have been on academic probation during any previous semester; and
2. have a grade point average for the current semester below 2.000 (C); and
3. have a cumulative College grade point average below 2.000.

All three (3) of the above criteria must be met in order to be automatically dismissed.

Whether or not students have been placed on probation before, the Academic Retention Committee may dismiss students if their record reveals any of the following:

- failing or near-failing performance in any semester;
- failure to make adequate progress toward completion of major requirements;
- failure to make any progress toward completion of degree requirements in any semester;
- a cumulative grade point average below 2.000 (C).

## Readmission

The Academic Retention Committee considers petitions for readmission from students who have been dismissed. A student dismissed for the first time must petition to continue as a student in the College. A student dismissed for the second time may not be admitted for the next regular semester but is eligible to submit a petition for readmission after a period of at least one regular semester. Third dismissals are generally considered final. Students should contact the College Recorder's Office (Owen Hall 003, [coasrecd@indiana.edu](mailto:coasrecd@indiana.edu), or 812-855-1821), for further information concerning eligibility to petition.

In order for petitions for readmission to be considered and accepted by the committee, students eligible to submit them must do so before June 20 for the fall semester and before October 1 for the spring semester.

## Restart Policy

Students who have been away from Indiana University for at least five years and who earned grades that make it impossible or very difficult to return to a College of Arts and Sciences degree program may petition for a "restart." Under a restart, the College of Arts and Sciences will establish a new degree record for the student that will consist of courses previously taken that were completed with a minimum grade of C. Note that all Indiana University course work will remain on the student's permanent record (the university transcript); this policy will affect only the student's College of Arts and Sciences record.

Students will be eligible for consideration for this policy once a minimum of five years have passed since full-time or continuous part-time enrollment. Students will need to provide evidence that indicates a significant change in their ability to succeed in academic work. Reevaluation of fundamental skills may be necessary before the student can proceed. Students should petition for a restart as part of the readmission process. For information about deadlines for submitting readmission petitions, please see the section of this *Bulletin* entitled "Readmission."

Students should contact the [Office of Undergraduate Academic Affairs](#), Owen Hall, to begin the petition process and to discuss the details of this policy.

## Student Records

### Confidentiality of Records

Indiana University, in compliance with the campuswide General Education Provisions Act, Section 438, titled Family Educational Rights and Privacy Act (FERPA), provides that all student records are confidential. Confidential academic information is released by the

College of Arts and Sciences only to the student, and to person(s) whom the student authorizes in writing to be appropriate recipients of the information. Students may review their records upon request and may ask for deletions or corrections of the record in a hearing process described in detail in the [Code of Student Rights, Responsibilities, and Conduct](#). References, recommendations, and other similar documents may carry a voluntary waiver relinquishing the student's right to review this specific material. The student may also release the record to others by signing a written release available in the offices that maintain records. Further details regarding the provisions of the Privacy Act and a list of offices where student records are kept may be found in the [Code of Student Rights, Responsibilities, and Conduct](#).

Additional information can be obtained at the website of the Office of the Registrar under "[Student Privacy and FERPA](#)".

## **Release of Information in Student Records**

An implicit and justifiable assumption of trust is placed in the College of Arts and Sciences as custodian of personal data submitted by students entering the College or generated during their enrollment. This mutual relationship of trust between the College and the individual student requires that such data be held in confidence.

For additional information, please see the website of the Office of the Registrar under "[Student Privacy and FERPA](#)".

## **Public Information**

Upon request of a third party, certain information is made available to the public by the Office of the Registrar.

Public information is limited to name; address; e-mail address; phone; major field of study; dates of attendance; admission or enrollment status; campus; school, college, or division; class standing; degrees and awards; activities; sports; and athletic information. Records of arrests and/or convictions and traffic accident information are public information and may be released to anyone making inquiry.

Public information shall be released freely unless the student files the appropriate form requesting that certain public information not be released.

For additional information, please see the website of the Office of the Registrar under "[Student Privacy and FERPA](#)".

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## **Departments & Programs**

Please see individual department for detailed program information.

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# **African American & African Diaspora Studies**

### **Introduction**

The Department of African American and African Diaspora Studies (AAAD) introduces students to a wide range of current research and scholarly opinion on the history, culture, and social status of black Americans and their African heritage. As an intellectual enterprise, the department provides an eclectic analysis of the African American and African Diasporic experience. As a humanistic discipline in the democratic tradition, African American and African Diaspora Studies seeks to dispel the myths and expose those attitudes that perpetuate racism in American life.

Students enrolled in any department or school may elect any course or sequence of courses in African American and African Diaspora Studies for which they are eligible. Many of the courses in the department may be used to satisfy Breadth of Inquiry or Culture Studies requirements. A few courses may be used to fulfill the CASE Intensive Writing requirement.

### **Contact Information**

African American and African Diaspora Studies  
Indiana University  
Memorial Hall East M18  
Bloomington, IN 47405-2201

(812) 855-3875  
[aaads@indiana.edu](mailto:aaads@indiana.edu)

<http://www.indiana.edu/~afroamer/>

## **Faculty**

### **Chair**

- Valerie Grim

### **Professors**

- Valerie Grim
- Iris Rosa
- John H. Stanfield II
- Vernon J. Williams, Jr.

### **Associate Professors**

- Frederick L. McElroy
- James E. Mumford (Emeritus)
- Maisha Wester
- Jakobi Williams

### **Assistant Professor**

- Tyron Cooper, Director, IU Soul Revue
- Phoebe Wolfskill

### **Adjunct Professors**

- Akin Adesokan (Comparative Literature)
- Kevin Brown (Maurer School of Law)
- Mellonee Burnim (Folklore and Ethnomusicology)
- Carolyn Calloway-Thomas (Communication and Culture)
- Claude Clegg (History)
- Dionne Danner (School of Education)
- Luis E. Fuentes-Rohwer (Maurer School of Law)
- D. Ted Hall (School of Education)

- Kandace Hinton (College of Education—Indiana State University)
- Mary Howard-Hamilton (College of Education—Indiana State University)
- Robin Hughes (School of Education—IUPUI)
- Monroe Little (African American Studies—IUPUI)
- Michael McGerr (History)
- Najjaf Modibo (African American Studies, Labor Studies—IUPUI)
- Frank Motley (Maurer School of Law)
- Rasul Aaron Mowatt (School of Public Health)
- Amrita Myers (History)
- John Nieto-Phillips (History, Latino Studies)
- Samuel Obeng (Linguistics)
- Fernando Orejuela (Folklore and Ethnomusicology)
- Stephanie Power-Carter (School of Education)
- Fabio Rojas (Sociology)
- Gary Sailes (School of Public Health)
- Amos Sawyer (Workshop in Political Theory and Policy Analysis)
- Marvin D. Sterling (Anthropology)
- Charles E. Sykes (African American Arts Institute)
- Jacinda Townsend (English)
- Dennis Williams Jr. (African American Arts Institute)
- Raymond Wise (African American Arts Institute)

#### **Professors Emeriti**

- Akwasi B. Assensoh
- David N. Baker (Jacobs School of Music)
- Winona L. Fletcher (Theatre, Drama and Contemporary Dance)
- Phyllis Klotman
- Portia Maultsby (Folklore and Ethnomusicology)
- Audrey McCluskey
- John McCluskey
- James E. Mumford
- William Wiggins, Jr.

#### **Director of Graduate Studies**

- Carolyn Calloway-Thomas (812) 855-3875.

#### **Director of Undergraduate Studies**

- Frederick McElroy, (812) 855-3875

#### **Academic Advising**

[mnuznov@indiana.edu](mailto:mnuznov@indiana.edu), Memorial E. M25, 855-6270

## **Major in African American and African Diaspora Studies**

#### **Purpose**

The major prepares students for a variety of professional careers or for graduate study. Students planning to enter the workforce immediately after graduation may wish to select a double major. African American and African Diaspora Studies graduates enjoy careers in medicine, theatre and drama, the music industry, local and state governments, education, law enforcement, the criminal justice system, private industries, information science, employment with non-profits, humanist agencies, health care, the legal profession, banking and technology industries, and others.

## **Requirements**

Students must complete a minimum of 30 credit hours of undergraduate course work selected from the department's three concentration areas (see the Courses list):

1. Arts
2. Literature
3. History, Culture, and Social Issues

No more than 6 credit hours at the 100 level and no more than 6 credit hours at the 200 level can be counted toward the major. At the time of admission to the department, each student and the undergraduate advisor together plan an individualized program of study, including the selection of a major concentration area.

Majors must complete the following:

1. A150.
2. A355 or A356 (history).
3. A379 or A380 (literature).
4. A493 Senior Seminar in African American Studies.
5. An additional 18 credit hours in AAAD electives are required to complete the major. A minimum of 9 of the 18 credit hours must be at the 300 or 400 level.
  - 9 credit hours taken in one African American and African Diaspora Studies concentration area.
  - A355, A356, A379, and A380 will count in the major but will not count in the concentration areas.
  - 3 credit hours in each of the other two concentration areas for a total of 6 credit hours.

**Note:** Credit hours in the major cannot be double counted.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### **Recommendations**

During the freshman and sophomore years, students should take African American and African Diaspora Studies courses at the 100 and 200 level that satisfy general education requirements. During the senior year, however, majors are strongly encouraged to enroll in the department's suggested electives (A400, A486, A493, and A495) to help them more clearly define their last year, which AAADS is calling the fourth-year senior experience. These 400-level courses are suggested in order to create space within the curriculum to provide majors with additional understandings concerning how they can use their degree in AAADS to secure career opportunities and/or continue their studies at the graduate and/or professional level. The AAADS academic advisor will work closely with students to ensure that all required courses for the major are completed during the first three years, thereby making it possible for majors to utilize the fourth year for specific learning contexts.

Students who plan to have a double major should make this decision as early as possible so that course selections in African American and African Diaspora Studies and the second major can be closely coordinated.

Majors in journalism, telecommunications, business, public and environmental affairs, pre-law, social work,

education, and many other disciplines have found African American and African Diaspora Studies courses to be useful, interesting, and important to their chosen fields.

## **Interdepartmental Major in African American and African Diaspora Studies and English**

### **Requirements**

Students must meet the following course requirements for a minimum total of 40 hours.

#### **African American and African Diaspora Studies**

At least 18 credit hours, of which at least 12 credit hours must be at the 300 level or above, including:

1. A150 Survey of the Culture of Black Americans.
2. A355 African American History I or A356 African American History II.
3. A379 Early Black American Writing or A380 Contemporary Black American Writing
4. Three courses from the following:
  - A249 African American Autobiography
  - A283 Blacks in American Drama and Theatre 1767-1945
  - A384 Blacks in American Drama and Theatre 1945-Present
  - A479 Contemporary Black Poetry
  - A480 The Black Novel
  - A493 Senior Seminar in African American Studies

#### **English**

At least 18 credit hours at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above, including:

1. L260 Introduction to Advanced Study of Literature (3 cr.)
2. One introductory genre course (3 cr.) approved for CASE Intensive Writing credit, chosen from
  - L203 Introduction to Drama
  - L204 Introduction to Fiction
  - L205 Introduction to Poetry
  - L206 Introduction to Prose
3. Three literary history courses (9 cr.), recommended within the first 21 credit hours of the major.
  - L310 Literary History 1: Beginnings through the Seventeenth Century
  - L312 Literary History 2: Eighteenth and Nineteenth Centuries
  - L316 Literary History 3: Twentieth and Twenty-first Centuries
4. L371 Critical Practices (3 cr.)

## **Interdepartmental Major in African American and African Diaspora Studies and History**

### **Requirements**

Students must meet the following course requirements for a minimum total of 40 credit hours. No course counting toward completion of the upper-level credit hours requirement of the history concentration can also be counted toward completion of the upper-level credit hours requirement of the African American and African Diaspora Studies concentration. Students must complete a CASE Intensive Writing course in either History (J300) or African American and African Diaspora Studies (A379 or A380).

#### **African American and African Diaspora Studies**

At least 18 credit hours in African American and African Diaspora Studies courses at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above. Requirements include:

1. A150 Survey of the Culture of Black Americans.
2. A355 African American History I or A356 African American History II.
3. A379 Early Black American Writing or A380 Contemporary Black American Writing.
4. 9 additional credit hours from the History, Culture, and Social Issues Concentration. These 9 credit hours may include the Senior Seminar.

#### **History**

At least 18 credit hours of history courses, including:

1. At least 15 credit hours of 300–400 level courses (only one of A355 African American History I or A356 African American History II taken in either History or African American and African Diaspora Studies can be counted toward these 15 hours).
2. At least one seminar chosen from J400, J450, or K392.
3. Any two courses in non-U.S. history (i.e., Western Europe, Russia and Eastern Europe, Ancient, Middle East, Africa, Latin America, or East Asia).
4. At least 12 credit hours of these history courses must be completed in residence at the IU Bloomington campus.

## **Interdepartmental Major in African American and African Diaspora Studies and Religious Studies**

### **Requirements**

Students must meet the following course requirements for a minimum total of 42 credit hours.

#### **African American and African Diaspora Studies**

At least 21 credit hours, of which at least 12 credit hours must be at the 300 level or above, including:

1. A150 Survey of the Culture of Black Americans.
2. A355 African American History I or A356 African American History II.
3. A379 Early Black American Writing or A380 Contemporary Black American Writing.
4. 9 additional credit hours taken from courses in any of the three concentration areas: (1) arts, (2) literature,

- or (3) history, culture, and social issues. (Majors are strongly encouraged to take A363 Research on Contemporary African American Problems I when it is taught.)
5. Additional credit hours to reach the minimum of 21 credit hours to be chosen in consultation with advisor. (These hours may include the Senior Seminar.)

If a student chooses to take the Senior Honors Thesis of A499 or the course pair of R399/R499 in Religious Studies, the chosen topic should integrate African American and African Diaspora Studies and Religious Studies although minimum credit hours in each area must still be met. A faculty mentor of the student's choice will be assigned, and graders from each department will read the final thesis. This requires an application and the approval of the director of undergraduate studies before authorization is granted to begin the project.

### **Religious Studies**

1. At least 21 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours in courses at the 300 level or above.
2. At least one course above the 100 level from Area C (The Americas).
3. At least one course above the 100 level chosen from two of the remaining three areas: A (Africa, Europe, and West Asia), B (South and East Asia), D (Theory, Ethics, Comparison).
4. One course (3 credit hours) in Religious Studies at the 400 level other than R494, R495, R496, and R499.
5. R389 Majors Seminar in Religion.

If a student chooses to take the Senior Honors Thesis course pair of R399/R499, the chosen topic should integrate Religious Studies and African American and African Diaspora Studies, although minimum credit hours in each area must still be met. A faculty mentor of the student's choice will be assigned, and graders from each department will read the final thesis. This requires an application and the approval of the director of undergraduate studies before authorization is granted to begin the project.

## **Interdepartmental Major in African American and African Diaspora Studies and Sociology**

### **Required Courses**

Students must meet the following course requirements for a minimum total of 40 credit hours.

### **African American and African Diaspora Studies**

At least 18 credit hours, of which at least 12 credit hours must be at the 300 level or above, including:

1. A150 Survey of the Culture of Black Americans.
2. A355 African American History I **or** A356 African American History II.
3. A379 Early Black American Writing **or** A380 Contemporary Black American Writing.

4. 9 additional credit hours from History, Culture, and Social Issues Concentration. These 9 credit hours must include the Senior Seminar. (Majors are strongly encouraged to take A363 Research on Contemporary African American Problems I when it is taught.)

### **Sociology**

At least 21 credit hours, of which at least 12 credit hours must be at the 300 level or above, including:

1. One course from the following:
  - S100 Introduction to Sociology.
  - S210 The Economy, Organizations, and Work.
  - S215 Social Change.
  - S230 Society and the Individual.
2. S110 Charts, Graphs, and Tables.
3. S217 Social Inequality.
4. S335 Race and Ethnic Relations.
5. Three additional courses in Sociology at the 300–400 level.

Students must complete the degree requirements of the College of Arts and Sciences.

## **Minor in African American and African Diaspora Studies Requirements**

Students must complete 15 College of Arts and Sciences credit hours in African American and African Diaspora studies, including:

1. A355 or A356 (history).
2. A379 or A380 (literature).
3. At least one additional course for a minimum of 3 credits at the 300–400 level, which may count toward the 9 credit hours in a concentration area.

Students must take at least 9 credit hours in a single concentration area: (1) literature, (2) arts, or (3) history, culture, and social issues. Courses are selected in consultation with the academic advisor. At least 9 credit hours must be taken in residence at IU Bloomington.

## **Departmental Honors Program**

African American and African Diaspora Studies majors with a minimum 3.300 cumulative grade point average and a minimum 3.300 grade point average within the Department of African American and African Diaspora Studies are eligible for the departmental honors program.

Students must enroll in 9 credit hours of honors work consisting of 3 credit hours of supervised readings and 6 credit hours of supervised independent research. Independent research may take the form of research projects, field research, internships, or creative activities. Students should apply in the fall semester of their junior year. A copy of the student's transcript and a short letter of application describing the honors project in general terms will be required for admission.

## **Course Descriptions**

### **Introductory Courses**

**AAAD-A 150 Survey of the Culture of Black Americans (3 cr.) CASE A&H, CASE DUS** The culture of blacks in America viewed from a broad interdisciplinary approach, employing resources from history, literature, folklore, religion, sociology, and political science. Required for the major.

**AAAD-A 201 Introduction to African American and African Diaspora Studies (3 cr.) CASE DUS** Introduction to African American and African Diaspora Studies as a field of study: epistemological considerations, theories, and methods that have come to form what is called Africana studies.

### **Arts**

A100, A104, A110, and A120 are performance courses that may be repeated individually or in combination for a maximum of 12 ensemble credit hours.

### **African American Art**

**AAAD-A 252 African American Art I: African Heritage (3 cr.) CASE A&H** A historical and stylistic survey of the visual and plastic arts of sub-Saharan or black Africa, from the Nok culture (Nigerian) to the present. Credit given for only one of A252 or A351.

**AAAD-A 352 African American Art II: African American Artists (3 cr.) CASE A&H, CASE DUS** A survey of the artistic traditions of the African in the New World, from the period of slavery in North and South America through contemporary African American and expatriate black American artists.

### **Dance**

**AAAD-A 100 African American Dance Company (2 cr.)** P: Consent of instructor by audition. Emphasis on ethnic and jazz traditions, although other genres are regularly performed. Repertoire varies from semester to semester. Participation in on- and off-campus concerts, workshops, and lecture demonstrations required. Previous dance training desirable but not essential. May be repeated individually or in combination with A110 or A120 for a maximum of 12 credit hours.

**AAAD-A 102 Introduction to Black Dance Styles (2 cr.)** Jazz dance technique with an African American historical perspective. Instruction includes basic dance technique vocabulary and movements with syncopated rhythm patterns.

### **AAAD-A 221 Dance in the African Diaspora (3 cr.)**

Introduction to the history, culture, music, and body movements of dances in the African American and African Diaspora tradition with a focus on African-derived dances, primarily from Cuba, Puerto Rico, and America. Instruction through classroom lectures, discussions, videos, readings, and movement sessions.

### **AAAD-A 300 Jazz Dance Movement Styles (2 cr.)**

P: Minimum of two years of dance movement and consent of instructor. Advanced study in jazz dance technique. Emphasis on three jazz technique styles developed by well-known dance artists Matt Mattox, Luigi, and free style.

### **AAAD-A 320 Black Dance History (3 cr.) CASE A&H**

Acquaints students with dancers and choreographers from the African American and African Diaspora who choose to communicate historical, political, recreational, and

social themes through the modern, jazz, ballet, tap, and traditional (African and Caribbean) forms of dance and the expressive nature of movement from the black perspective and experience.

### **Film Studies**

**AAAD-A 277 Images of Blacks in Films: 1903-1950s (3 cr.) CASE A&H, CASE DUS** Images of blacks in films, mainly American, from before *The Birth of a Nation* (1915) to the 1950s. Course will include segments as well as complete feature films (also "race films" when available), shorts, cartoons, and documentaries viewed in historical perspective.

**AAAD-A 278 Contemporary Black Film (3 cr.) CASE A&H, CASE DUS** Problems raised by proliferation of films acted, authored, directed, and/or produced by blacks. Exploration of legitimacy of "black film aesthetic" and its reception by various segments of the black community.

**AAAD-A 330 African American Cinematic Experience (3 cr.) CASE A&H** Examines the historical and contemporary portrayals of African Americans in Hollywood and in independent narrative film focusing on the social and political functions of film, its legitimization of race, and its oppositional formations, interventions, and practices. Considers how film mediates and interrogates race and social relations in American society.

**AAAD-A 359 Ethnic/Racial Stereotypes in American Film (3 cr.) CASE A&H** A study in cross-cultural stereotyping as evidenced in the film medium. Analysis of Native American, Asian, black, Hispanic, and Jewish groups. Features, shorts, and animations screened to illustrate the "classic" stereotypes of each group and to demonstrate their impact on American society.

**AAAD-A 430 The Cinema of Africana Women (3 cr.) CASE A&H, CASE DUS** Historical and critical overview of films produced by African American women from the 1940s to the present. The course emphasizes how black women filmmakers combine their creative abilities with a desire to capture dominant issues that affect black women's lives in America.

### **Music**

**AAAD-A 110 African American Choral Ensemble (2 cr.)** The ensemble performs music composed by, for and about blacks, including spirituals, gospel, art songs, and excerpts from operas and musicals. Repertoire varies from semester to semester. Participation in on- and off-campus concerts, workshops, and lecture demonstrations required. No audition required. Students meet the first day of class prepared to sing. Vocal evaluations and part assignments will be done during class. Ability to read music is desirable but not essential. May be repeated individually or in combination with A100 or A120 for a maximum of 12 credit hours.

### **AAAD-A 112 Black Music of Two Worlds (3 cr.) CASE A&H, CASE GCC**

An exploration of the relationships among musics of West and Central African people and their descendants in the United States, Latin America, and the Caribbean. Emphasis placed on the conceptual and aesthetic continuities between musical expression in Old and New World contexts—a uniformity which exists because of shared African cultural ancestry. Credit given for only one of AAAD A112, FOLK E112, or FOLK F112.

**AAAD-A 120 Soul Revue (2 cr.)** P: Consent of instructor by audition. Introduces the richness and depth of black popular tradition through authentic performance practices. Repertoire varies from semester to semester. Participation in on- and off-campus concerts, workshops, and lecture demonstrations required. Ability to read music desirable but not essential. May be repeated individually or in combination with A100 or A110 for a maximum of 12 credit hours.

**AAAD-A 290 Sociocultural Perspective of African American Music (3 cr.)** CASE A&H, CASE DUS Survey of cultural, social, and political attitudes that influenced blacks in the development of and participation in blues, jazz, urban black popular music, and "classical" music.

**AAAD-A 295 Survey of Hip Hop (3 cr.)** CASE A&H, CASE DUS Examines rap music and hip hop culture as artistic and sociocultural phenomena with emphasis on historical, cultural, economic, and political contexts. Topics include the coexistence of various hip hop styles, their appropriation by the music industry, and controversies resulting from the exploitation of hip hop as a commodity for national and global consumption. Credit given for only one of AAAD A295, FOLK E295, or FOLK F295.

**AAAD-A 297 Popular Music of Black America (3 cr.)** CASE A&H, CASE DUS A chronological survey of Black popular music from 1945–2000: rhythm and blues, soul, funk, disco, hip hop, and their derivative forms. Emphasis placed on the context for evolution and the contributions of African Americans to the development of a multibillion dollar music industry. Credit given for only one of AAAD A297, AAAD A397, FOLK E297, FOLK F397, or MUS M397.

**AAAD-A 345 Hip Hop Music and Culture (3 cr.)** CASE A&H, CASE DUS P: Junior or senior standing. Examines rap music as artistic and sociological phenomena with emphasis on its historical and political contexts. Credit given for only one of AAAD A345, AAAD A489, FOLK F345, or FOLK F389.

**AAAD-A 388 Motown (3 cr.)** CASE A&H, CASE DUS This course surveys the development of Motown Record Corporation, Detroit Era (1959–1972). Through lecture, discussion, guided listening, and visual experiences, the course studies the musical works, creative processes, business practices, historical events, media, technology, and sociocultural factors that contributed to Motown's identity as a unique artistic and cultural phenomenon. Credit given for only one of A388, A389, or FOLK E388.

**AAAD-A 393 History of Jazz (3 cr.)** CASE A&H, CASE DUS Periods, major performers, and composers, trends, influences, stylistic features, and related materials. Credit not given for both A393 and M393.

**AAAD-A 394 Survey of African American Music (3 cr.)** CASE A&H, CASE DUS A chronological survey of sacred and secular African American musical traditions in North America from the African past to the present. Emphasis placed on context for evolution, musical processes and aesthetics, interrelationships among genres and musical change, issues of gender, and music as resistance. Credit given for only one of AAAD A394, FOLK E394, or MUS M394.

**AAAD-A 395 (MUS-Z 395) Contemporary Jazz and Soul Music (3 cr.)** CASE A&H, CASE DUS P: Consent of instructor. A survey of contemporary jazz and soul (rhythm and blues) music and musicians in the United States. Credit not given for both A395 and M395.

**AAAD-A 396 (MUS-M 396) Art Music of Black Composers (3 cr.)** CASE A&H, CASE DUS A study of black music and musicians in the United States with emphasis on the black composer in contemporary music. Credit not given for both A396 and M396.

**AAAD-A 496 Black Religious Music (3 cr.)** CASE A&H, CASE DUS An in-depth investigation of Negro spirituals and gospel music, with some treatment of the traditions of lining-out and shape note singing. Examination of genres will address and integrate both the musical and the sociocultural perspectives. Credit given for only one of AAAD A496 or FOLK E496.

### Theatre and Drama

**AAAD-A 104 Groups Theatre Workshop (2 cr.)**

Open to summer Groups Program students only. Through a musical/theatrical piece chosen for study and performance, students are encouraged to explore and develop their abilities and to experience growth and motivation that comes from participating in a unified and motivating group experience.

**AAAD-A 283 Blacks in American Drama and Theatre, 1767–1945 (3 cr.)** CASE A&H, CASE DUS Images of blacks as reflected in American drama from 1767 to 1945. Selected dramas of both white and black playwrights, such as Isaac Bickerstaffe, William Wells Brown, Eugene O'Neill, and Richard Wright, who depicted blacks on the stage. Credit given for only one of A283 or A383.

**AAAD-A 384 Blacks in American Drama and Theatre, 1945–Present (3 cr.)** CASE A&H, CASE DUS Images of blacks as reflected in American drama from 1945 to the present. Emphasis on the contributions of black playwrights such as Lorraine Hansberry, Langston Hughes, Imamu Amiri Baraka (LeRoi Jones), Ted Shine, and Ed Bullins.

**AAAD-A 385 Seminar in Black Theatre (3 cr.)** CASE A&H, CASE DUS P: One course from A379, A380, A283, A383, or A384; or consent of instructor. Contributions of blacks to the theatre in America. Reading and discussion of selected dramas and critiques with opportunities for involvement in the oral interpretation of one or more of the plays.

**AAAD-A 485 Lorraine Hansberry: Black Dramatist (3 cr.)** CASE A&H, CASE DUS In-depth study of Lorraine Hansberry's life and works with emphasis on her dramas and her essays on the theatre and the society she knew.

### History, Culture, and Social Issues

**AAAD-A 154 History of Race in the Americas (3 cr.)** CASE S&H, CASE GCC Exploration of the development of racism and racial ideologies in the United States, the Caribbean, Latin America, and South America from colonial times to the present. Emphasizes the interaction among cultural, political, and economic factors in shaping patterns of conflict and collaboration, domination and resistance.

**AAAD-A 156 Black Liberation Struggles against Jim Crow and Apartheid (3 cr.)** CASE S&H, CASE GCC

A comparative perspective on American race relations, specifically the similarities and differences of the struggles against Jim Crow in America and against apartheid in South Africa. In both places, the late twentieth century witnessed a revolt against the legal and philosophical framework of white supremacy.

**AAAD-A 198 Special Topics in Social and Historical Studies for African American and African Diaspora Studies (3 cr.) CASE S&H** Focuses on issues that have shaped the diasporic experience of blacks in the United States, the world, and continental Africa in order to provide students with broad content to improve comprehension, writing, and analytical skills in preparing them for an interdisciplinary study of social and historical issues. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 199 Special Topics in Arts and Humanities for African American and African Diaspora Studies (3 cr.) CASE A&H** Focuses on issues that have shaped the diasporic experience of blacks in the United States, the world, and continental Africa in order to provide students with broad content to improve comprehension, writing, and analytical skills in the arts and humanities. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 203 Studying Blacks of the New World: African Americans and Africans in the African Diaspora (3 cr.) CASE S&H, CASE GCC** A comparative study of the cultural, historical, and socioeconomic life patterns of African Americans and Diaspora-based Africans in the United States.

**AAAD-A 205 Black Electoral Politics (3 cr.) CASE S&H** The course will explore black participation in the formal structures of American government and in the processes by which these structures are accessed. Black participation in local, state, and federal government arenas will be focused upon, and the political benefits to the black community of these involvements will be assessed.

**AAAD-A 210 Black Women in the Diaspora (3 cr.) CASE S&H, CASE GCC** Interdisciplinary examination of salient aspects of black women's history, identity, and experience, including policies, cultural assumptions, and knowledge systems that affect black women's lives. While the primary focus is North America, the lives of black women in other cultural settings within the African Diaspora are also examined.

**AAAD-A 250 U.S. Contemporary Minorities (3 cr.) CASE S&H** An interdisciplinary study of how members of four minority groups—Native Americans, Asian Americans, blacks, and Hispanics—combine their struggle for social justice with their desire to maintain their own concepts of identity.

**AAAD-A 255 The Black Church in America (3 cr.) CASE S&H, CASE DUS** The church's role as a black social institution from slavery to the present, its religious attitudes as expressed in songs and sermons, and its political activities as exemplified in the minister-politician.

**AAAD-A 263 Contemporary Social Issues in the African American Community (3 cr.) CASE S&H** A seminar, primarily designed for sophomores and juniors, directed toward critical analysis of selected topics

germane to the future socioeconomic and political position of African Americans.

**AAAD-A 264 History of Sports and the African American Experience (3 cr.) CASE S&H, CASE DUS** Examination of the historical participation and contributions of African Americans in sport. Students study African American sports pioneers and the social conditions affecting their participation. Period studied includes pre-slavery to the civil rights era (1500 to 1960s).

**AAAD-A 265 Modern Sports and the African American Experience (3 cr.) CASE S&H, CASE DUS** The impact of African American sports heroes, famous teams, and annual sporting events on the shaping of African American culture and the combating of American racism.

**AAAD-A 292 African American Folklore (3 cr.) CASE A&H, CASE DUS** African American culture in the United States viewed in terms of history (antebellum to present) and social change (rural to urban). Use of oral traditions and life histories to explore aspects of black culture and history. Credit given for only one of A292, A392, and FOLK F354.

**AAAD-A 304 Black Paris (3 cr.) CASE A&H, CASE GCC** R: 3 credit hours of literature. The common and divergent experiences of African-American, Afro-Caribbean, and African travelers to the "City of Light," from eighteenth-century New Orleans Creoles to twenty-first-century youth of African descent, as seen through literature, performance, film, and other arts. Issues of colonization, expatriation, immigration, exile, the Harlem Renaissance and "negritude," race and diaspora, transnationalism. Credit given for only one of AAAD A304 and CMLT C363.

**AAAD-A 350 Black Atlantic (3 cr.) CASE A&H, CASE GCC** This course is an interdisciplinary and comparative study of historical, cultural, and political issues related to Africa and the African Diaspora (the Americas and Europe). Emphasis will also be on team teaching using IUB faculty. Course will be of interest to students in all university departments and schools.

**AAAD-A 354 Transnational Americas (3 cr.) CASE S&H, CASE GCC** Comparative colloquium that explores the recent literature on racial connections between "the local" and "the global" in contemporary American experience. Through immersion in the new "transnational" critiques of the United States, students analyze texts that describe African, Asian, European, indigenous, and Latino sensibilities about culture, homelands, belonging, and exclusion.

**AAAD-A 355 (HIST A355) African American History I (3 cr.) CASE S&H, CASE DUS** History of blacks in the United States. Slavery, abolitionism, Reconstruction, and post-Reconstruction to 1900. Credit given for only one of A355 or HIST A355.

**AAAD-A 356 (HIST A356) African American History II (3 cr.) CASE S&H, CASE DUS** R: 355. 1900 to the present. Migration north, NAACP, Harlem Renaissance, postwar freedom movement. Credit given for only one of A356 or HIST A356.

**AAAD-A 360 Slavery: Worldwide Perspective (3 cr.) CASE S&H, CASE GCC** Examines several aspects of the classical, indigenous, and modern political/social bondage.

**AAAD-A 363 Research on Contemporary African American Problems I (3 cr.) CASE S&H** A research seminar, primarily designed for juniors and seniors, directed toward critical analysis of selected topics germane to the future socioeconomic and political position of African Americans. Reading and discussion of relevant texts, studies, and articles. Includes theory construction, research design, and data collection.

**AAAD-A 382 Black Community, Law, and Social Change (3 cr.) CASE S&H** Legal evolution of civil rights and analysis of specific relevant legal decisions that stimulated social change (the role of slavery, racial segregation, inequality of educational opportunity, and voting laws).

**AAAD-A 386 Black Feminist Perspectives (3 cr.) CASE S&H, CASE DUS** Examination of the history, development, and manifestation of feminist consciousness among African American women. The course is particularly concerned with how black women's lived experience defines that consciousness, and the differing impact it has among various groups of black women, and in their larger social, political, and cultural communities.

**AAAD-A 387 Black Migration (3 cr.) CASE S&H, CASE GCC** Explores the process, patterns, and paradoxes of the incorporation of individuals and groups identified and/or perceived as "immigrants" from a comparative-interdisciplinary perspective. Focuses on persons from "sending" countries in Africa, the Caribbean, and Asia to the United States. Also examines developments in other labor-importing, postindustrial countries such as France and England in relation to the people who settle there.

**AAAD-A 391 Black Nationalism (3 cr.) CASE S&H** Consequences of the black diaspora in North America; shifting views of blacks toward their native continent; analysis of current geographic, economic, and political relationships.

**AAAD-A 398 Advanced Topics in Social and Historical Studies for African American and African Diaspora Studies (3 cr.) CASE S&H** Advanced study and analysis of selected issues and problems within the African American and African Diaspora experience utilizing interdisciplinary interpretation through analytical reasoning and philosophical discussions. Varied topics primarily in the areas of history, politics, sociology, anthropology, and economics. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 399 Advanced Topics in Arts and Humanities for African American and African Diaspora Studies (3 cr.) CASE A&H** Advanced study and analysis of selected issues and problems within the African American and African Diaspora experience utilizing interdisciplinary interpretations through analytical reasoning and philosophical discussions. Varied topics primarily in the areas of dance, music, film, theatre and drama, and literature. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 405 Civil Rights and Black Power Movements, 1954-1974 (3 cr.) CASE S&H** Examines the fight for civil rights by protest organizations such as Southern Christian Leadership Conference, Student Non-Violent Coordinating Committee, and Congress of Racial Equality; the emergence of black leaders such as

King, Farmer, and Malcolm X; the challenge posed by Black Power advocates in the Black Panthers and Black Muslims; and the changes in American society made by the black revolution.

**AAAD-A 407 African American and African Protest Strategies (3 cr.) CASE S&H, CASE GCC** An examination of the historical roles, structures, the impact of black protest strategies, and the origins of black movements to assess their impact on communities in Africa and in the diaspora.

**AAAD-A 408 Race, Gender, and Class in Cross-Cultural Perspective (3 cr.) CASE S&H, CASE DUS** Examination of the influence of race, gender, and class from a perspective of power and culture. Use of interdisciplinary sources, including essays, fiction, art, and social science research to examine how different social groups vie for representation, self-definition, and power in different social and cultural settings.

**AAAD-A 415 The Political Impact of Black Religion (3 cr.) CASE S&H** The course will focus upon politically oriented African American and African religious activity including protest movements, nationalist groups, and electoral involvements. Course goals include familiarizing students with important actors and events in black religious and political affairs and developing critical thinking by students about politics and religious involvement in politics.

**AAAD-A 420 Transforming Divided Communities and Societies (3 cr.) CASE S&H, CASE GCC** Histories, theories, policies, and citizen, state, corporate, nonprofit sector models of transforming past and present societies divided by race, ethnicity, gender, class, caste, tribe, and religion through restorative and distributive justice movements and policies such as civil rights, affirmative action, reparations, and reconciliation tribunals.

**AAAD-A 425 The Black Family in Twentieth-Century Rural America, 1900-1970 (3 cr.) CASE S&H** Examines the economic, social, cultural, and political development of black families residing primarily in rural areas of the southern United States before 1970. Primary attention given to institutional development, race relations, population, and migration.

**AAAD-A 447 Race, Crime, and Media (3 cr.)** Focus on crime reporting in America, addressing the question of whether or not the media distort the picture of crime. In particular, this course explores the mass media treatment of African Americans in the coverage of crime.

**AAAD-A 452 Historical Issues in Black Education (3 cr.) CASE S&H** Education of black Americans and its relationship to the African American experience. Trends and patterns in the education of black Americans as they relate to the notions of education "for whom and for what."

**AAAD-A 481 Racism and the Law (3 cr.) CASE S&H** Contemporary racial problems in American society with regard to law and constitutional principles of basic freedoms and associated conflicts. Effects of societal norms and impact of racism.

#### Literature

**AAAD-A 131 Early African American and African Diaspora Literature (3 cr.) CASE A&H, CASE GCC** Examines historical texts and introduces them and tropes

emphasized by writers to articulate issues of freedom, identity, and salvation as perceived by blacks in diaspora communities. Teaches students how to relate literary works to historical and cultural contexts and how to think critically about ideas, images, and master narratives as presented by African American writers and writers of the black diaspora.

**AAAD-A 132 Recent African American and African Diaspora Literature (3 cr.) CASE A&H, CASE GCC** Examines recent literary texts and introduces students to transnational themes and tropes emphasized by black writers to articulate issues of freedom, identity, and salvation; utilizes interdisciplinary methods to teach students how to appreciate literary artistry; relate literary works to historical and cultural contexts; and think critically about ideas, images, and master narratives as presented by African American writers and writers of the black diaspora.

**AAAD-A 169 Introduction to African American Literature (3 cr.) CASE A&H, CASE DUS** Representative African American writings including poetry, short story, sermons, novel, and drama.

**AAAD-A 249 African American Autobiography (3 cr.) CASE A&H, CASE DUS** A survey of autobiographies written by black Americans in the last two centuries. The course emphasizes how the autobiographers combine the grace of art and the power of argument to urge the creation of genuine freedom in America.

**AAAD-A 379 Early Black American Writing (3 cr.) CASE A&H, CASE DUS** African American writing before World War II, with emphasis on critical reactions and analyses. Includes slave narratives, autobiographies, rhetoric, fiction, and poetry.

**AAAD-A 380 Contemporary Black American Writing (3 cr.) CASE A&H, CASE DUS** R: A379. The black experience in America as it has been reflected since World War II in the works of outstanding African American writers: fiction, nonfiction, poetry, and drama.

**AAAD-A 479 Contemporary Black Poetry (3 cr.) CASE A&H** An examination of black poetry from Dunbar to the present, emphasizing the emergence, growth, and development of black consciousness as a positive ethnic identification.

**AAAD-A 480 The Black Novel (3 cr.) CASE A&H, CASE DUS** R: A379 or A380. Analysis of the African American novel from the Harlem Renaissance to the present: genesis, development, and current trends. Emphasis on traditions arising out of the black experience and on critical perspectives developed by black critics and scholars.

#### Other Courses

**AAAD-A 197 Topics in African American and African Diaspora Studies (3 cr.)** Focuses on issues that have mapped the diasporic experience of blacks in the United States, the world, and continental Africa in order to provide students with broad content to improve comprehension, writing, and analytical skills. Varied topics that cut across departmental concentration areas. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 198 Special Topics in Social and Historical Studies for African American and African Diaspora Studies (3 cr.) CASE S&H** Focuses on issues that have

shaped the diasporic experience of blacks in the United States, the world, and continental Africa in order to provide students with broad content to improve comprehension, writing, and analytical skills in preparing them for an interdisciplinary study of social and historical issues. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 199 Special Topics in Arts and Humanities for African American and African Diaspora Studies (3 cr.) CASE A&H** Focuses on issues that have shaped the diasporic experience of blacks in the United States, the world, and continental Africa in order to provide students with broad content to improve comprehension, writing, and analytical skills in preparing them for an interdisciplinary study of social and historical issues. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 298 Special Topics in Social and Historical Studies for African American and African Diaspora Studies (3 cr.) CASE S&H** Focuses on issues that have shaped the diasporic experience of blacks in the United States, the world, and continental Africa in order to provide students with broad content to improve comprehension, writing, and analytical skills in preparing them for an interdisciplinary study of social and historical issues. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 299 Special Topics in Arts and Humanities for African American and African Diaspora Studies (3 cr.) CASE A&H** Focuses on issues that have shaped the diasporic experience of blacks in the United States, the world, and continental Africa in order to provide students with broad content to improve comprehension, writing, and analytical skills in the arts and humanities. May be repeated with a different topic for a maximum of 6 credit hours.

**AAAD-A 400 Topics in African American and African Diaspora Studies (3 cr.)** Intensive study and analysis of selected African American and African Diaspora Studies problems and issues of limited scope, approached within an interdisciplinary format. Varied topics that cut across departmental concentration areas. May be repeated with different topics for a maximum of 9 credit hours.

**AAAD-A 486 Internship in African American and African Diaspora Studies (3 cr.)** P: Junior or senior status with 15 credit hours of African American and African Diaspora Studies credit, and project approved by instructor. Directed readings, field research, research papers. Certain internship experiences may require research skills. May be repeated once for a total of 6 credits.

**AAAD-A 493 Senior Seminar in African American and African Diaspora Studies (3 cr.)** P: Senior status as African American and African Diaspora Studies major. Lecture/discussions on African American studies as an interdisciplinary field of inquiry and scholarship. Students will develop individual or group projects that synthesize their experiences as majors by demonstrating the interrelated nature of the department's concentration areas.

**AAAD-A 495 Individual Readings in African American Studies (3 cr.)** A495 must be taken for 3 credit hours. Students who wish to enroll in A495 must (1) secure the

written consent of the instructor and the departmental chairperson, and (2) file with the departmental secretary an approved list of readings to be completed during the semester.

#### **Topics may include:**

Reading in African American Fiction  
 Reading in African American Film Studies  
 Reading in African American Folklore  
 Reading in African American History  
 Reading in African American Nonfiction  
 Reading in African American Poetry  
 Reading in African American Sacred Music  
 Reading in African American Secular Music  
 Reading in African American Social Issues  
 Reading in African American Theatre and Drama

With prior approval, may be repeated for a maximum total of 6 credit hours.

**AAAD-A 499 Honors Thesis (3 cr.)** P: Approval of instructor and departmental honors advisor. Development, completion, and defense of honors thesis. May be repeated for a maximum of 6 credit hours.

### **Related Courses**

A student may choose one of the following courses or other approved courses to satisfy requirements for an African American and African Diaspora Studies major with a concentration in:

#### **Arts**

- FINA-A 155 Introduction to African Art (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 453 Art of Sub-Saharan Africa I: Arts of Africa's Western Sudan (4 cr.) **CASE S&H, CASE GCC**
- FINA-A 454 Art of Sub-Saharan Africa II: Arts of the West African Coast (4 cr.) **CASE S&H, CASE GCC**

#### **Literature**

- CMLT-C 261 Introduction to African Literature (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 361 African Literature and Other Arts (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 464 French Language Literature of Africa and the Americas (3 cr.) **CASE A&H, CASE GCC**
- ENG-L 396 Studies in African American Literature and Culture (3 cr.) **CASE A&H, CASE DUS**

#### **History, Culture, and Social Issues**

- ANTH-E 310 Introduction to the Cultures of Africa (3 cr.) **CASE A&H, CASE GCC**
- CMCL-C 238 Communication in Black America (3 cr.) **CASE A&H, CASE DUS**
- CMCL-C 427 Cross-Cultural Communication (3 cr.)
- CJUS-P 425 Women and the Criminal Justice System (3 cr.)
- CJUS-P 493 Seminar in Criminal Justice (3 cr.) Topic: Minorities in Criminal Justice
- FOLK-F 301 African Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC**
- HIST-A 347 American Urban History (3 cr.) **CASE S&H**
- HIST-E 331 African History from Ancient Times to Empires and City States (3 cr.) **CASE S&H, CASE GCC**

- HIST-E 332 African History from Colonial Rule to Independence (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 325 African American Politics (3 cr.) **CASE S&H, CASE DUS**
- POLS-Y 329 Racial and Ethnic Politics in the United States (3 cr.) **CASE S&H, CASE DUS**
- POLS-Y 338 African Politics (3 cr.) **CASE S&H, CASE GCC**
- PSY-P 457 Topics in Psychology (1–3 cr.) Topic: Women: A Cross-Cultural Psychological Perspective
- REL-R 160 Religion and American Culture (3 cr.) **CASE A&H**

## **African Studies**

#### **Introduction**

The African Studies Program (AFRI) provides unique opportunities for students on the Indiana University Bloomington campus to study with distinguished faculty members, meet with visiting Africanists from all over the world, learn African languages, and use the outstanding facilities of the Wells Library, the Archives of Traditional Music, and the Art Museum. The program has both regional and subject-area concentrations in which faculty conduct research and offer courses. Regularly offered language courses include Akan, Arabic, Bamana, Swahili, Wolof, Yoruba, and Zulu. Tutorial sections in other African languages may be provided if funding is available.

Undergraduate students can earn a Certificate in African Studies by completing a flexible course of study designed to fit their individual interests and needs. A certificate is more rigorous than a minor, showing potential employers and graduate schools that students have completed a comprehensive course of study in an important world region. It is intended to give undergraduates both a broad, interdisciplinary understanding of the African continent (as does the minor), but it also requires that students gain a more in-depth knowledge of Africa as it relates to at least one discipline and one of its languages. Four semesters of an African language such as Akan/Twi, Arabic, Bamana, Swahili, Wolof, Yoruba, or Zulu are required. A Certificate in African Studies also complements a major in many departments and professional schools throughout the university.

The African Studies Minor is intended to give undergraduates an opportunity to gain a broad, interdisciplinary understanding of the African continent. As an interdisciplinary minor, it complements a variety of majors. The African Studies Minor provides students with a cross-disciplinary understanding of the African continent by helping them gain a basic understanding of African history, achieve a familiarity with African cultures and societies, contextualize and analyze current African issues, and acquire at least an elementary knowledge of a language spoken on the African continent (not including English). The minor is sufficiently flexible to complement any departmental major.

The African Expressive Culture minor allows students to develop a deeper understanding of African societies, nations, ethnic groups, citizens, and their many contributions to world history and current events through the study of African expressive practices--including

the visual arts, music and dance, theater and cinema, epics and oral traditions, and a large variety of other creative forms of communication such as religious and political activities and numerous types of sports and games. Effective, punctuated expression—which is to say aesthetically designed and enacted communication—carries tremendous social weight across the continent of Africa, in every nation and every culture. It is used to communicate values, to bolster and garner support for them, or subvert and change them. It is used to wield or reform political influence. It is used to gain or maintain social and economic resources. It possesses this clout because aesthetic expression is sophisticated business in African societies, and citizens from every walk of life put much stock in its importance. The minor will allow students to take several courses across a spectrum of creativity—such as literature, music, and the visual arts—or concentrate courses in any one of those, or even concentrate on a particular geographic region of the continent.

Recognition that a student has earned a certificate or a minor appears on the transcript along with the student's major department. The certificate or minor is awarded upon graduation from Indiana University.

The African Studies Program is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

### Contact Information

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## Faculty

### Director and Graduate Advisor

- Samuel Obeng

### Associate Director

- Maria Grosz-Ngate

### Professors

- Osita Afoaku (School of Public and Environmental Affairs)
- A. B. Assensoh (Emeritus, African American and African Diaspora Studies)
- Salman Al-Ani (Near Eastern Languages and Cultures)
- Erna Alant (School of Education)
- Robert Botne (Linguistics)
- Kevin Brown (Maurer School of Law)
- Mellonee Burnim (Folklore and Ethnomusicology)

- Gracia Clark (Emerita, Anthropology)
- Claude Clegg (History)
- Stuart Davis (Linguistics)
- Kenneth DeJong (Linguistics)
- Hasan El-Shamy (Emeritus, Folklore and Ethnomusicology)
- Ann Elsner (School of Optometry)
- Maria Elizabeth Grabe (Journalism)
- Kevin Hunt (Anthropology)
- Eileen Julien (Comparative Literature, French and Italian)
- Jayanth K. Krishnan (Maurer School of Law)
- David Lohrmann (School of Public Health)
- Victor Malinovsky (Emeritus, School of Optometry)
- Michael Martin (Communication and Culture)
- Portia Maultsby (Emerita, Folklore and Ethnomusicology)
- Michael McGinnis (Political Science)
- Patrick McNaughton (Fine Arts)
- Samuel Obeng (Linguistics)
- Christiana Ochoa (Maurer School of Law)
- Alwiya Omar (Linguistics)
- Patrick O'Meara (Emeritus, International Affairs)
- Michael Reece (School of Public Health)
- Iris Rosa (African American and African Diaspora Studies)
- Darlene Sadlier (Emerita, Spanish and Portuguese)
- Kathy Schick (Anthropology)
- Antonia Schleicher (Linguistics)
- Jeanne Sept (Anthropology)
- John H. Stanfield II (African American and African Diaspora Studies)
- Suzanne Stetkevych (Emerita, Near Eastern Languages and Cultures)
- Rex Stockton (School of Education)
- Ruth Stone (Folklore and Ethnomusicology)
- Mohammad Torabi (School of Public Health)
- Nicholas Toth (Anthropology)
- Edward Watts (History)
- Richard Wilk (Anthropology)
- David Williams (Maurer School of Law)

### Associate Professors

- Akinwumi Adesokan (Comparative Literature)
- Heather Akou (Apparel Merchandising and Interior Design)
- Beth Buggenhagen (Anthropology)
- Bonnie Brownlee (Journalism)
- Shingairai Feresu (School of Public Health)
- Marion Frank-Wilson (English)
- Michael Gasser (Computer Science, School of Informatics and Computing)
- Jane Goodman (Communication and Culture)
- Jane Ann Grogg (School of Optometry)
- Vivian Halloran (American Studies, English)
- John Hanson (History)
- Patty Henderson (School of Optometry)
- Diane Henshel (School of Public and Environmental Affairs)
- Douglas Horner (School of Optometry)
- John Johnson (Emeritus, Folklore and Ethnomusicology)

- James Kelly (Journalism)
- Alex Lichtenstein (History)
- Don Lyon (School of Optometry)
- Lauren Morris MacLean (Political Science)
- Murray McGibbon (Theatre, Drama and Contemporary Dance)
- Susan Middlestadt (School of Public Health)
- Keithanne Mockaitis (Center for Genomics and Bioinformatics)
- Marissa Moorman (History)
- Martha Nyikos (School of Education)
- Cecilia Obeng (School of Public Health)
- Daniel Reed (Folklore and Ethnomusicology)
- Whitney Schlegel (Biology)
- Margaret Sutton (School of Education)
- Stephen Vinson (Near Eastern Languages and Cultures)
- Suresh Viswanathan (School of Optometry)

#### **Assistant Professors**

- Jennifer Brass (School of Public and Environmental Affairs)
- Gregory Fisher (Kelley School of Business)
- Laura Foster (Gender Studies)
- Maria Grosz-Ngaté (Anthropology)
- Kimberly Kohne (School of Optometry)
- Peter Kollbaum (School of Optometry)
- Pedro Machado (History)
- Michelle Moyd (History)
- Luciana Namorato (Spanish and Portuguese)
- Jackson Njau (Geological Sciences)
- Todd Peabody (School of Optometry)
- Diane Pehrine (Fine Arts)
- Jeff Perotti (School of Optometry)
- Nicholas Port (School of Optometry)
- Beth Samuelson (School of Education)
- Verlon Stone (Folklore and Ethnomusicology)
- Ann Marie Thomson (School of Public and Environmental Affairs)
- Barbara Van Der Pol (School of Public Health)
- Henry K. Wakhungu (School of Public and Environmental Affairs)
- Ahmed Yousseff-Agha (School of Public Health)

#### **Lecturers**

- David Adu-Amankwah (African Studies)
- Betty Dlamini (African Studies)
- Zaineb Istrabadi (Near Eastern Languages and Cultures)
- Michael Morrone (Kelley School of Business)
- Dawn New (Kelley School of Business)
- A. Beidy Sow (African Studies)

#### **Area Studies Librarian**

- Marion Frank-Wilson

#### **African Languages Coordinator**

- Alwiya Omar

#### **Academic Advising**

- Maria Grosz-Ngaté, Woodburn Hall 221, (812) 855-5081

## **Certificate in African Studies**

### **Purpose**

The Certificate in African Studies provides a background for careers in foreign service, government, business, law, the academic world, and other areas.

### **Required Courses**

The certificate requires completion of 18 credit hours of Africa-related course work, including

1. AFRI-L 231 African Civilization or HIST-H 227, and AFRI- L 232 Contemporary Africa.
2. Four elective courses (totaling at least 12 credit hours) from at least two different departments chosen from African Studies or cross-listed full or partial Africa-content courses. At least three of the four courses must be at the 300- or 400-level, and at least two of the courses must have 100 per cent Africa content. Also, at least one elective course must be taught inside the College of Arts and Sciences. **Note:** Language courses cannot be applied toward the elective requirement.
3. Four semesters in a language other than English that is spoken on the African continent. This requirement may be fulfilled by taking African language courses through the Department of Linguistics, such as Akan/Twi, Bamana, Swahili, Wolof, and Zulu; Arabic offered through the Department of Near Eastern Languages and Cultures; or another language approved by the Associate Director of African Studies. In most cases, European languages cannot be used to meet this requirement. Completion of the language proficiency requirement does not count toward the required 18 credit hours needed for the certificate.

A maximum of 6 credit hours in the student's major may be credited toward the certificate.

## **African Content Courses**

### **100% Africa Content Courses**

#### **African Studies**

- AFRI-L 100 Topics in African Society and Culture (3 cr.) **CASE GCC** (Approved topics: Ananse as an African Folk Hero; Children's Images in African Cinema; Gumboot Dance: Beauty from Pain; Mande Cinema; Reed Dance; Political Leadership in Africa; Southern African Culture, Song, and Dance)
- AFRI-L 202 Occultism in Africa (3 cr.) **CASE A&H, CASE GCC**
- AFRI-L 210 Akan Popular and Oral Art (3 cr.) **CASE GCC**
- AFRI-L 231 or HIST-H 227 African Civilizations (3 cr.) **CASE S&H, CASE GCC**
- AFRI-L 232 Contemporary Africa (3 cr.) **CASE S&H, CASE GCC**
- AFRI-L 400 Topics in African Studies (3 cr.) **CASE GCC** (Approved topic: Development and Globalization in Africa)
- AFRI-L 401 Readings and Research in African Studies (1–3 cr.)
- AFRI-L 402 Internship in African Studies (2–4 cr.)

#### **Anthropology**

- ANTH-E 300 Culture Areas and Ethnic Groups (1–3 cr.) (Approved topic: Islam in and out of Africa)

- ANTH-E 309 Problems in African Ethnography (3 cr.)
- ANTH-E 312 African Religions (3 cr.) **CASE A&H, CASE GCC**
- ANTH-E 417 African Women **CASE S&H, CASE GCC**
- ANTH-P 314 Early Prehistory of Africa (3 cr.) **CASE S&H**
- ANTH-P 315 Later Prehistory of Africa (3 cr.) **CASE S&H**

#### **College of Arts and Sciences**

- COLL-C 103 Critical Approaches to the Arts and Humanities (3 cr.) **CASE A&H, CASE CAPP** (Approved topic: Magic, Science, and Art in Africa)

#### **Comparative Literature**

- CMLT-C 261 Introduction to African Literature (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 291 Studies in Non-Western Film (3 cr.) **CASE A&H, CASE GCC** (Africa topics only)
- CMLT-C 361 African Literature and Other Arts (3 cr.) **CASE A&H, CASE GCC**

#### **Fine Arts**

- FINA-A 155 Introduction to African Art (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 352 Art of Eastern and Southern Africa (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 355 Art, Craft, and Technology in Sub-Saharan Africa (3 cr.) **CASE GCC**
- FINA-A 453 Art of Sub-Saharan Africa I: Arts of Africa's Western Sudan (4 cr.) **CASE S&H, CASE GCC**

#### **Folklore and Ethnomusicology**

- FOLK-E 302 Music in African Life (3 cr.) **CASE A&H, CASE GCC**
- FOLK-F 301 African Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC** (Approved topics: Music in African Life; African Music Performance; West African Music)

#### **Geography**

- GEOG-G 425 Africa: Contemporary Geography Problems (3 cr.) **CASE S&H**

#### **History**

- HIST-E 300 Issues in African History (3 cr.) **CASE S&H**
- HIST-E 331 African History from Ancient Times to Empires and City States (3 cr.) **CASE S&H, CASE GCC** (Approved topics: Ancient Empires; Africa to 1800s)
- HIST-E 332 African History from Colonial Rule to Independence (3 cr.) **CASE S&H, CASE GCC**
- HIST-E 333 Conflict in Southern Africa (3 cr.) **CASE S&H, CASE GCC**
- HIST-E 340 African History and Popular Culture (3 cr.) **CASE S&H, CASE GCC**
- HIST-H 227 African Civilizations (3 cr.) **CASE S&H, CASE GCC**
- HIST-J 300 Seminar in History (3 cr.) **CASE S&H** (Approved topics: African Military History; Seminar on Contemporary Africa; African History of Technology)

#### **Linguistics**

- LING-L 210 Topics in Language and Society (3 cr.) **CASE S&H** (Approved topic: African Communication and Culture)
- LING-L 480 Introduction to African Linguistics (3 cr.) **CASE S&H**
- LING-L 481 Language in Africa (3 cr.) **CASE S&H, CASE GCC**

#### **Near Eastern Languages and Cultures**

- NELC-E 201 Ancient Egyptian History and Civilization (3 cr.) **CASE S&H, CASE GCC**
- NELC-E 301 Religions of Ancient Egypt (3 cr.) **CASE A&H, CASE GCC**

#### **Political Science**

- POLS-Y 338 African Politics (3 cr.) **CASE S&H, CASE GCC**

#### **Kelley School of Business**

- BUS-G 256 Emerging Economies (3 cr.) (Approved topic: Economies in Africa)
- BUS-T 144 KLLC Hot Topics (1 cr.) (Africa topics only)

#### **School of Public and Environmental Affairs**

- SPEA-E 400 Topics in Environmental Studies (3 cr.) (Approved topic: Kenya Today)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topic: African Political Economy)
- SPEA-H 455 Topics in Public Health (3 cr.) (Approved topic: Kenya Today)

#### **Courses with 25% or higher Africa content**

##### **African American and African Diaspora Studies**

- AAAD-A 100 African American Dance Company (2 cr.)
- AAAD-A 156 Black Liberation Struggles against Jim Crow and Apartheid (3 cr.) **CASE S&H, CASE GCC**
- AAAD-A 205 Black Electoral Politics (3 cr.) **CASE S&H**
- AAAD-A 210 Black Women in the Diaspora (3 cr.) **CASE S&H, CASE GCC**
- AAAD-A 350 Black Atlantic (3 cr.) **CASE A&H, CASE GCC**
- AAAD-A 360 Slavery: Worldwide Perspective (3 cr.) **CASE S&H, CASE GCC**
- AAAD-A 420 Transforming Divided Communities and Societies (3 cr.) **CASE S&H, CASE GCC**
- AAAD-A 430 The Cinema of Africana Women (3 cr.) **CASE A&H, CASE DUS**

#### **Anthropology**

- ANTH-A 105 Human Origins and Prehistory (3 cr.) **CASE S&H**
- ANTH-B 200 Bioanthropology (3 cr.) **CASE N&M**
- ANTH-B 368 The Evolution of Primate Social Behavior (3 cr.) **CASE N&M**
- ANTH-B 464 Human Paleontology (3 cr.)
- ANTH-E 314 Voices of Women (3 cr.) **CASE A&H**
- ANTH-E 400 Undergraduate Seminar (3 cr.) (Approved topic: Money, Materiality, and Value)
- ANTH-P 210 Life in the Stone Age (3 cr.) **CASE S&H**

### **Apparel Merchandising and Interior Design**

- AMID-F 301 Dress Studies: Topics in Cultural Analysis (3 cr.) **CASE GCC**

### **College of Arts and Sciences**

- COLL-C 103 Critical Approaches to the Arts and Humanities (3 cr.) **CASE A&H, CASE CAPP** (Approved topic: Ebonics: The Controversy over African American Vernacular English)
- COLL-C 105 Critical Approaches to the Natural and Mathematical Sciences (3 cr.) **CASE N&M, CASE CAPP** (Approved topic: Sister Species)

### **Communication and Culture**

- CMCL-C 422 Performance, Culture, and Power in the Middle East and North Africa (3 cr.) **CASE S&H, CASE GCC**

### **Comparative Literature**

- CMLT-C 262 Cross-Cultural Encounters (3 cr.) **CASE A&H, CASE GCC** (Approved topic: Love and War across Borders)
- CMLT-C 318 Satire (3 cr.) **CASE A&H**
- CMLT-C 360 Diasporic Literatures (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 363 Black Paris (3 cr.) **CASE A&H, CASE GCC**

### **Fine Arts**

- FINA-A 327 Survey of Islamic Art (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 458 Topics in the Ethnographic Arts (3 cr.) **CASE S&H** (Approved topic: From Tarzan to the Hot Heads)

### **Folklore and Ethnomusicology**

- FOLK-E 297 Popular Music of Black America (3 cr.) **CASE A&H, CASE DUS**
- FOLK-E 496 African American Religious Music (3 cr.) **CASE A&H, CASE DUS**
- FOLK-F 215 Health and Morbidity in Traditional Cultures (3 cr.) **CASE S&H** (Approved topic: Healing and the Occult)
- FOLK-F 252 Folklore and the Humanities (3 cr.) **CASE A&H** (Approved topic: Global Pop Music)
- FOLK-F 307 Middle Eastern Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC**
- FOLK-F 450 Music in Religious Thought and Experience (3 cr.) **CASE A&H**

### **History**

- HIST-J 400 Seminar in History (3 cr.) **CASE S&H** (Approved topic: Indian Ocean - Cradle of Globalization)
- HIST-W 300 Issues in World History (3 cr.) **CASE S&H** (Approved topic: Slavery and Unfreedom)

### **Linguistics**

- LING-L 103 Introduction to the Study of Language (3 cr.) **CASE S&H**
- LING-L 112 Language and Politics (3 cr.) **CASE S&H**
- LING-L 306 Phonetics (3 cr.) **CASE N&M**
- LING-L 308 Morphology (3 cr.) **CASE N&M**
- LING-L 315 Introduction to Sociolinguistics (3 cr.) **CASE S&H**

- LING-L 485 Topics in Linguistics (3 cr.) (Approved topic: Advanced Phonology)

### **Political Science**

- POLS-Y 107 Introduction to Comparative Politics (3 cr.) **CASE S&H**
- POLS-Y 343 The Politics of International Development (3 cr.) **CASE S&H**

### **Spanish and Portuguese**

- HISP-P 401 Literatures of the Portuguese-Speaking World II (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 405 Literature and Film in Portuguese (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 415 Women Writing in Portuguese (3 cr.) **CASE A&H**

### **School of Public and Environmental Affairs**

- SPEA-V 160 National and International Policy (3 cr.) (Sections taught by African Studies Program faculty)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics: Global Governance in the 21st Century; NGO Management in Comparative Perspective; Third World Development; U.S. Foreign Policy and Third World Regimes)

### **School of Public Health**

- SPH-F 347 Human Development 2: Mid-Childhood through Adolescence
- SPH-H 150 Children's Health up to Age 5 (3 cr.)
- SPH-H 414 Health Education in Pre-Kindergarten-Grade 6 (3 cr.)

### **Minor in African Studies**

- AFRI-L 231 or AFRI-L 232
- Four elective courses, totaling at least 12 credit hours, from at least two different departments. Courses may be African Studies courses or chosen from the list of courses with full or partial Africa content. At least one course must have 100 per cent Africa content. Three courses (at least 9 credit hours) must be at the 300–400 level; at least one elective course must be taught inside the College of Arts and Sciences. Students may also transfer courses from Study Abroad in Africa. Language courses cannot be applied toward elective requirements.
- Two semesters of a language spoken on the African continent. This requirement may be fulfilled by completing two semesters of French, Portuguese, Arabic, or an African language offered through the Department of Linguistics.

### **Minor in African Expressive Culture**

Students must complete at least 15 credit hours of course work including the following:

- AFRI-L 231 or HIST-H 227 African Civilizations
- At least 12 credit hours of course work chosen in consultation with the African Studies advisor, of which at least 9 credit hours must be completed at the 300-400 level.
- A minimum of 9 credit hours must be completed on the Bloomington campus.

## Courses That Are Pre-approved to Count toward the Minor

### African American and African Diaspora Studies

- AAAD-A 430 The Cinema of Africana Women (3 cr.) **CASE A&H, CASE DUS**

**African Cinema** (see courses in African American and African Diaspora Studies, Fine Arts—History, Comparative Literature, and History)

### Anthropology

- ANTH-E 300 Culture Areas and Ethnic Groups (3 cr.) (Approved topic: Photography and Ethnography)
- ANTH-E 309 Problems in African Ethnography (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 310 Introduction to the Cultures of Africa (3 cr.) **CASE A&H, CASE GCC**

### College of Arts and Sciences

- COLL-C 103 Critical Approaches to the Arts and Humanities (3 cr.) **CASE A&H, CASE CAPP** (Approved topic: Magic, Science, and Art in Africa)

### Communication and Culture

- CMCL-C 422 Performance, Culture, and Power in the Middle East and North Africa (3 cr.) **CASE S&H, CASE GCC**

### Comparative Literature

- CMLT-C 261 Introduction to African Literature (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 291 Studies in Non-Western Film (3 cr.) **CASE A&H, CASE GCC** (African topics only)
- CMLT-C 361 African Literature and Other Arts (3 cr.) **CASE A&H, CASE GCC**

### Fine Arts—History

- FINA-A 155 Introduction to African Art (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 255 Topics in African Art History (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 352 Art of Eastern and Southern Africa (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 355 Art, Craft, and Technology in Sub-Saharan Africa (3 cr.) **CASE GCC**
- FINA-A 356 Art of Central Africa (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 453 Art of Sub-Saharan Africa I: Arts of Africa's Western Sudan (4 cr.) **CASE S&H, CASE GCC**
- FINA-A 454 Art of Sub-Saharan Africa II: Arts of the West African Coast (4 cr.) **CASE S&H, CASE GCC**
- FINA-A 458 Topics in the Ethnographic Arts (3 cr.) **CASE S&H** (African topics only)

### Folklore and Ethnomusicology

- FOLK-F 252 Folklore and the Humanities (3 cr.) **CASE A&H** (Approved topics: The Cultural Work of Music in East Africa; Global Pop Music)
- FOLK-F 301 African Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, GCC**
- FOLK-E 302 Music in African Life (3 cr.) **CASE A&H, CASE GCC**

- FOLK-F 450 Music in Religious Thought and Experience (3 cr.) **CASE A&H**

### French and Italian

- FRIT-F 467 French Beyond the Hexagon (3 cr.) (African topics)

### History

- HIST-J 300 Seminar in History (3 cr.) **CASE S&H** (Approved topic: African History and Film)
- HIST-E 340 African History and Popular Culture (3 cr.) **CASE S&H, CASE GCC**

Additional courses may be approved by the African Studies advisor.

## Course Descriptions

**AFRI-L 100 Topics in African Society and Culture** (3 cr.) **CASE GCC** Study of selected topics in African studies not covered in existing regularly scheduled courses. May be repeated with a different topic for a maximum of 6 credit hours.

**AFRI-L 102 Akan Social Life and Cultural Heritage** (3 cr.) **CASE GCC** Introduction to the life, basic customs, and traditions of Akan-speaking peoples, especially the Asante of Ghana, West Africa. Examines such subjects as Akan politics, esthetics, and cultural practices. Increases understanding and appreciation of the life and heritage of the Akan as represented by the Asante people.

**AFRI-L 202 Occultism in Africa** (3 cr.) **CASE A&H, CASE GCC** Examines occultism in Africa by identifying major forms and their power of influence within selected regions. Develops a clear intellectual understanding of occult practice in Africa and the major role it plays there.

**AFRI-L 210 Popular Akan Oral Art Forms** (3 cr.) **CASE GCC** Explores popular elements of Akan oral art and their influence on the Akan culture in the context of Sub-Saharan Africa. Promotes a clear understanding of popular forms of African expressive culture and the major roles they play in the cultures that create them, using Akan as the prime example.

**AFRI-L 231 African Civilization** (3 cr.) **CASE S&H, CASE GCC** A historical introduction to Africa. Credit given for only one of AFRI-L 231 or HIST-H 227.

**AFRI-L 232 Contemporary Africa** (3 cr.) **CASE S&H, CASE GCC** An introduction to current social, economic, and political issues in Africa.

**AFRI-L 250 African Expressive Routines** (3 cr.) **CASE A&H, CASE GCC** Introduction to selected oral art forms and traditions of some Sub-Saharan African societies. Emphasis is on the esthetics and communicational mores that regulate the people's verbal behavior. Enhances understanding and appreciation of African interactional practices, especially verbal artistry and expressive culture.

**AFRI-L 400 Topics in African Studies** (3 cr.) **CASE GCC** Intensive study of selected topics in African studies. Studies in special topics not ordinarily covered by African Studies program courses. May not duplicate a regularly offered course. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

**AFRI-L 401 Readings and Research in African Studies**

(1-3 cr.) P: Junior or senior standing and approval of instructor. Independent readings or research project in African Studies. May be repeated for a maximum of 6 credit hours.

**AFRI-L 402 Internship in African Studies (2-4 cr.)**

Requires a research paper related to the internship. Provides students with an opportunity to receive academic credit for work/service in an organization in Africa, or in a U.S. based organization focused on Africa or working with an African constituency.

## American Studies

### Introduction

The Department of American Studies (AMST) provides students with an opportunity to pursue the study of American cultures from an interdisciplinary perspective. Courses are designed to examine significant aspects of U.S. institutions, policy, media, and cultural expressions by drawing on a wide range of resources from the social sciences and humanities. Because of its interdisciplinary nature, American Studies attracts students with diverse interests who wish to know more about the United States in a comparative, international context.

### Contact Information

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Indiana University  
544 Ballantine Hall  
Bloomington, IN 47405-7103

(812) 855-7718  
[amst@indiana.edu](mailto:amst@indiana.edu)

[www.indiana.edu/~amst](http://www.indiana.edu/~amst)

### Faculty

#### Chair

- Deborah N. Cohn\* (American Studies, Spanish and Portuguese)

#### Director of Graduate Studies

- Vivian Halloran\* (American Studies, English)

#### Director of Undergraduate Studies

- Susan Lepselter (American Studies, Communication and Culture) (Fall)
- Paul Anderson\* (American Studies) (Spring)

#### Distinguished Professor

- David N. Baker, Jr. (Jacobs School of Music)

#### Chancellor's Professors

- John Bodnar (History)
- Raymond DeMallie, Jr. (Anthropology)

#### Professors

- Judith Allen (Gender Studies)
- Mellonee Burnim (Folklore and Ethnomusicology)
- Claude Clegg (History)
- Deborah Cohn\* (American Studies, Spanish and Portuguese)
- Stephen Conrad (Maurer School of Law)
- Aurelian Craiu (Political Science)

- Nick Cullather (History)
- Ray DeMallie, Jr. (Anthropology)
- Jonathan Elmer (English)
- Wendy Gamber (History)
- Valerie Grim (African American and African Diaspora Studies)
- Michael Grossberg (History)
- Paul Gutjahr (English)
- Russell Hanson (Political Science)
- Raymond Hedin (English)
- David Hertz (Comparative Literature)
- Christoph Irmischer (English)
- Jeffrey C. Isaac (Political Science)
- Barbara Klinger (Communication and Culture, Film Studies)
- Edward T. Linenthal (History)
- John Lucaites (Communication and Culture)
- Michael Martin\* (American Studies, Communication and Culture)
- Portia Maultsby (Folklore and Ethnomusicology)
- Michael McGerr (History)
- Richard B. Miller (Religious Studies, Poynter Center)
- Radhika Parameswaran (Journalism)
- Darlene Sadlier (Spanish and Portuguese)
- John H. Stanfield II (African American and African Diaspora Studies)
- Gregory Waller (Communication and Culture),
- Pamela Walters (Sociology)
- Vernon J. Williams (African American and African Diaspora Studies)

#### Associate Professors

- Chris Anderson (Communication and Culture)
- Marlon Bailey\* (American Studies, Gender Studies)
- Purnima Bose (English)
- Candy Gunther Brown (Religious Studies)
- James Capshew (History and Philosophy of Science and Medicine)
- Judah Cohen (Folklore and Ethnomusicology)
- Serafin M. Coronel-Molina (School of Education)
- Konstantin Dierks (History)
- Judith Failer (Political Science)
- Lessie Jo Frazier\* (American Studies, Gender Studies)
- Ilana Gershon (Communication and Culture)
- Mary Gray (Communication and Culture)
- Vivian Halloran\* (American Studies, English)
- Joan Hawkins (Communication and Culture)
- Terrill Scott Herring (English)
- LaMonda Horton-Stallings (Gender Studies)
- Jason B. Jackson (Folklore and Ethnomusicology)
- Colin Johnson (Gender Studies)
- Stephanie Kane (Criminal Justice)
- DeWitt Kilgore (English)
- Sarah Knott (History)
- Alex Lichtenstein (History)
- Fred McElroy (African American and African Diaspora Studies)
- John Nieto-Phillips (History, Latino Studies Program)
- Phaedra Pezzullo (Communication and Culture)
- Eric Sandweiss (History)

- Laura L. Scheiber (Anthropology)
- Micol Seigel\* (American Studies, History)
- Susan Seizer (Communication and Culture)
- Stephen Selka\* (American Studies, Religious Studies)
- Pravina Shukla (Folklore and Ethnomusicology)
- Christina Snyder\* (American Studies, History)
- Marvin Sterling (Anthropology)
- Ted Striphas (Communication and Culture)
- Robert Terrill (Communication and Culture)
- Shane Vogel (English)
- Brenda Weber (Gender Studies)

#### **Assistant Professors**

- Anke Birkenmaier (Spanish and Portuguese)
- Cara Caddoo\* (American Studies)
- Serafin M. Coronel-Molina (School of Education)
- Stephanie DeBoer (Communication and Culture)
- Karen Inouye\* (American Studies)
- Javier F. León (Folklore and Ethnomusicology)
- Susan Lepselter\* (American Studies, Communication and Culture)
- Jason McGraw\* (American Studies, History)
- Alberto Varon (English, Latino Studies)
- Ellen D. Wu (History)

#### **Senior Lecturers**

- Franklin L. Hess (Institute for European Studies)
- April K. Sievert (Anthropology)

#### **Professors Emeriti**

- Patrick Baude (Ralph F. Fuchs Professor of Law and Public Service)
- Richard Bauman (Distinguished Professor of Anthropology, Communication and Culture, and Folklore and Ethnomusicology)
- Sarah Burns (Ruth N. Halls Professor, Fine Arts—History)
- Sandra K. Dolby (Folklore and Ethnomusicology)
- Ellen Dwyer (Criminal Justice)
- Henry Glassie (College Professor, Folklore and Ethnomusicology)
- Jesse Goodman (School of Education)
- Helen Gremillion (Gender Studies)
- Jeffrey Huntsman (English)
- Robert Ivie\* (American Studies, Communication and Culture)
- James Madison (Thomas and Kathryn Miller Professor, History)
- Audrey McCluskey (African American and African Diaspora Studies)
- John McCluskey (African American and African Diaspora Studies)
- David P. Nord (Journalism)
- David Nordloh (English)
- Carol Polsgrove (Journalism)
- Stephen Russell (Criminal Justice)
- Dennis Senchuk (Philosophy)
- Beverly Stoeltje (Anthropology)
- Steven Stowe (History)

#### **Academic Advising**

- [hlelkins@indiana.edu](mailto:hlelkins@indiana.edu), Ballantine 749, (812) 855-4233@

\* American Studies core faculty.

## **Major in American Studies Requirements**

Students must complete 30 credit hours in American Studies. 15 credit hours must come from American Studies core courses.

#### **Required Core Courses**

- A100 What Is America? (3 cr.) **CASE A&H**
- A200 Comparative American Identities (3 cr.) **CASE A&H, CASE DUS**
- A350 Topics in Interdisciplinary American Studies (3 cr.)
- A351 American Studies in Transnational Contexts (3 cr.) **CASE A&H**
- A450 Senior Seminar in American Studies (3 cr.)

In consultation with the Director of Undergraduate Studies, students design an individual concentration (minimum of 15 credit hours) that provides focus and purpose to their remaining course work in the major and a solid background for their senior seminar topic. The concentration will be built from concentration courses offered through American Studies. At least 9 credit hours counted toward the concentration must be at the 300 or 400 level.

#### **Concentration Courses**

- A150 Introduction to Native American and Indigenous Studies (3 cr.) **CASE S&H, CASE GCC**
- A201 U.S. Movements and Institutions (3 cr.) **CASE S&H**
- A202 U.S. Arts and Media (3 cr.) **CASE A&H**
- A275 Indigenous Worldviews in the Americas (3 cr.) **CASE S&H, CASE GCC**
- A298 Special Topics in Arts and Humanities for American Studies (3 cr.) **CASE A&H**
- A299 Special Topics in Social and Historical Studies for American Studies (3 cr.) **CASE S&H**
- A300 The Image of America in the World (3 cr.) **CASE S&H**
- A398 Advanced Topics in Arts and Humanities for American Studies (3 cr.) **CASE A&H**
- A399 Advanced Topics in Social and Historical Studies for American Studies (3 cr.) **CASE S&H**
- A401 Readings in American Studies (1–3 cr.)
- A402 Service Learning in American Studies (1–3 cr.)

Additional concentration courses are offered in other departments and programs and are cross-listed in American Studies (please visit <http://www.indiana.edu/~amst/undergraduates/crosslisted.shtml>).

## **Departmental Honors Program**

Students pursuing an honors degree in American studies must maintain a GPA of at least 3.300 overall and 3.500 or higher in the major. To graduate with honors, a student must complete a total of 42 credit hours, including the specific requirements listed below:

1. In addition to the major requirements, honors students must complete A451 Honors Senior Seminar in American Studies (3 cr.), and A452 Honors Thesis in American Studies (3 cr.).
2. Honors students also must demonstrate advanced language competency in a single foreign language equivalent to a third year of study. This may require students to take an additional two semesters (6 cr.) of a foreign language beyond the standard College requirements, including at least one course at the 300 level or above that studies a foreign language literature. The language chosen for study must pertain directly to American Studies and requires the approval of the Director of Undergraduate Studies for the Department of American Studies.

## Minor in American Studies

Students must complete 15 credit hours. At least 9 credit hours in American Studies courses must be at the 300–400 level.

1. A100 *What is America?* (3 cr.)
2. One of the following: A200 *Comparative American Identities* (3 cr.), A201 *U.S. Movements and Institutions* (3 cr.), or A202 *U.S. Arts and Media* (3 cr.).
3. Three American Studies courses at the 300–400 level for a total of 9 credit hours.

## Minor in Native American and Indigenous Studies

### Requirements

Students must complete a minimum of 15 credit hours. At least 9 credit hours must be at or above the 300 level.

1. AMST-A 150 Introduction to Native American and Indigenous Studies (3 cr.) **CASE S&H, CASE GCC**
2. AMST-A 275 Indigenous Worldviews in the Americas (3 cr.) **CASE S&H, CASE GCC**
3. Additonal course work should be selected in consultation with the NAIS advisor and the Chair of the Committee on NAIS, who will help the student develop a Plan of Study appropriate to his or her academic and career goals. The Plan of Study is subject to the following three restrictions.
  - i. A maximum of 6 credit hours in a student's major may be credited toward the minor in Native American and Indigenous Studies.
  - ii. Must include at least 9 credit hours at the 300-400 level.
  - iii. A maximum of 8 credit hours in Native or Indigenous language course work (e.g., Lakota, Yucatec Maya, Quechua) may be credited toward the minor. In order to complete the NAIS minor, students applying two semesters (8 credit hours) of language study must also complete at least one non-language course from the following list for a total of 17 NAIS credit hours.

Approved courses are listed below. Other courses with significant (at least 60 per cent) Native or Indigenous content may count toward the minor. Courses not listed below must be approved by the NAIS Advisor in concert with the Chair of the Committee on Native American and Indigenous Studies.

- ANTH-B 472 Bioanthropology of Aboriginal America (3 cr.)
- ANTH-E 210 Rethinking Race Globally (3 cr.) **CASE S&H**
- ANTH-E 230 American Ethnic Diversity (3 cr.) **CASE S&H, CASE DUS**
- ANTH-E 319 American Indian Religions (3 cr.) **CASE S&H, CASE DUS**
- ANTH-E 320 Indians of North America (3 cr.) **CASE S&H, CASE DUS**
- ANTH-E 321 Peoples of Mexico (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 322 Peoples of Brazil (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 324 Native American Art (3 cr.) **CASE A&H**
- ANTH-E 327 Native Amazonians and the Environment (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 340 Indians of Mexico and Central America (3 cr.) **CASE S&H, CASE GCC**
- ANTH-L 310 Elementary Lakota (Sioux) Language I (4 cr.)
- ANTH-L 311 Elementary Lakota (Sioux) Language II (4 cr.)
- ANTH-L 312 Intermediate Lakota (Sioux) Language I (4 cr.)
- ANTH-L 313 Intermediate Lakota (Sioux) Language II (4 cr.)
- ANTH-L 320 American Indian Languages (3 cr.) **CASE S&H**
- ANTH-P 250 Introductory World Archaeology (3 cr.) **CASE S&H**
- ANTH-P 330 Historical Archaeology (3 cr.) **CASE S&H, CASE DUS**
- ANTH-P 345 Indigenous Archaeology (3 cr.) **CASE S&H**
- ANTH-P 350 Archaeology of Ancient Mexico (3 cr.) **CASE S&H, CASE GCC**
- ANTH-P 360 North American Archaeology (3 cr.) **CASE S&H**
- ANTH-P 361 Prehistory of the Midwestern United States (3 cr.) **CASE S&H**
- ANTH-P 363 North American Prehistory through Fiction (3 cr.) **CASE S&H**
- ANTH-P 370 Ancient Civilizations of the Andes (3 cr.) **CASE GCC**
- ANTH-P 405 Fieldwork in Archaeology (1–8 cr.)
- CJUS-P 437 American Indian Justice Policy (3 cr.)
- CMCL-C 430 Native American Communication and Performance (3 cr.) **CASE S&H, CASE DUS**
- ENG-L 364 Native American Literature (3 cr.) **CASE A&H, CASE DUS**
- FINA-A 350 Topics in African, Oceanic, and Pre-Columbian American Art (3 cr.)
- FINA-A 351 Art of the South Pacific (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 452 Art of Pre-Columbian America (3–4 cr.) **CASE S&H, CASE GCC**
- FOLK-F 275 Indigenous Worldviews (3 cr.) **CASE S&H, CASE GCC**
- FOLK-F 315 Latin American Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC**
- FOLK-F 352 Native American Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE DUS**

- FOLK-F 353 Native American Film and Video (3 cr.) **CASE S&H, CASE DUS**
- HIST-A 207 Introduction to Native American History (3 cr.) **CASE S&H, CASE DUS**
- HIST-A 300 Issues in United States History (3 cr.) **CASE S&H** Approved topic: Native American Women
- HIST-J 300 Seminar in History (3 cr.) **CASE S&H** Approved topic: Natives and Newcomers
- LTAM-M 101 Elementary Yucatec Maya I (4 cr.)
- LTAM-M 102 Elementary Yucatec Maya II (4 cr.)
- LTAM-M 201 Intermediate Yucatec Maya I (3 cr.)
- LTAM-M 202 Intermediate Yucatec Maya II (3 cr.)
- LTAM-Q 101 Elementary Quechua I (4 cr.)
- LTAM-Q 102 Elementary Quechua II (4 cr.)
- LTAM-Q 201 Intermediate Quechua I (3 cr.)
- LTAM-Q 202 Intermediate Quechua II (3 cr.)
- POLS-Y 337 Latin American Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 338 African Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 367 International Law (3 cr.) **CASE S&H**
- POLS-Y 490 Senior Seminar in Political Science (3 cr.) Approved topic: Indigenous Politics: Contests over Democracy and Development

## Course Descriptions

### **AMST-A 100 What Is America? (3 cr.) CASE A&H**

Explores ideas about citizenship, national identity, and the social contract in the broader Americas. What makes us "Americans"? How do we define "America"? How does national identity compete with and relate to other forms of identity, such as social status or class, religious association, gender and sexuality, and racial or ethnic description?

### **AMST-A 150 Introduction to Native American and Indigenous Studies (3 cr.) CASE S&H, CASE GCC**

Introduction to Native American and indigenous cultures, literature, history, arts, values, lifeways, spirituality, and social and political institutions. Focuses on global and hemispheric elements including North America.

### **AMST-A 200 Comparative American Identities (3 cr.) CASE A&H, CASE DUS**

Examines the formation of legal, social, cultural, and economic identities within the United States and within U.S.-controlled territories. Who counts as "American"? To what ends have citizens and non-citizens assumed, claimed, or refused "American" identity? This course employs a comparative frame in considering elite and subordinated classes (and/or genders, races, ethnicities, sexualities); institutional and countercultural forms of self-definition; official history and alternative acts of collective memory.

### **AMST-A 201 U.S. Movements and Institutions (3 cr.) CASE S&H**

Study and analysis of a social movement, an institutional structure, or an otherwise clearly delimited arena of social regulation and public activity. Constructing, deconstructing, reconstructing an object of social study. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

### **AMST-A 202 U.S. Arts and Media (3 cr.) CASE A&H**

Interdisciplinary approaches to a cultural genre (e.g., science fiction, pop art, jazz), discourse (e.g.,

individualism, family values, globalization) or medium (e.g., comics, television, the Internet). Constructing, deconstructing, reconstructing an object of cultural study. Recent topics have included Images of the Body, Jazz and Cultural Hierarchy, and Youth Cultures. May be repeated with a different topic for a maximum of 6 credit hours.

### **AMST-A 275 Indigenous Worldviews in the Americas (3 cr.) CASE S&H, CASE GCC**

A survey of some basic aspects of indigenous lifeways in the Americas, this course introduces comparative cultural analysis, providing a foundational course for those interested in thinking about how others think and how we think about otherness. Students will examine mythology, ritual, health, art, and philosophy within the context of colonialism and globalization.

### **AMST-A 298 Special Topics in Arts and Humanities for American Studies (3 cr.) CASE A&H**

Study and analysis of a single, closely focused American studies topic within arts and humanities. Topics vary from semester to semester. Focuses on the refinement of students' skills in writing, interdisciplinary interpretation, analytical reasoning, discussion, and research related to the study of fine arts, literature, film, and popular culture. May be repeated with a different topic for a total of 6 credit hours.

### **AMST-A 299 Special Topics in Social and Historical Studies for American Studies (3 cr.) CASE S&H**

Study and analysis of a single, closely focused American studies topic within social and historical studies. Topics vary from semester to semester. Focuses on the refinement of students' skills in writing, interdisciplinary interpretation, analytical reasoning, discussion, and research related to the study of public policy, political, economic, and social realities. May be repeated with a different topic for a total of 6 credit hours.

### **AMST-A 300 The Image of America in the World (3 cr.) CASE S&H**

An exploration of the history and present significance of "America"—an idea and a nation—in the larger world. Focuses on the image, status, and reputation of the United States abroad, and on the importance of America's "moral" global prestige to the course of international affairs and domestic politics.

### **AMST-A 350 Topics in Interdisciplinary American Studies (3 cr.)**

Focusing on a specific topic (which will vary by semester), students reflect on established American studies disciplinary methodologies and explore possibilities for new interdisciplinary syntheses. Students consider such issues as the questions a historian asks of a political manifesto and how these questions differ from those of the literary critic or the sociologist. May be repeated with a different topic for a maximum of 6 credit hours.

### **AMST-A 351 American Studies in Transnational Contexts (3 cr.) CASE A&H**

Invites a critical and historical analysis of the relation of culture to nation: why is the study of culture traditionally bound in national frames of reference, and how might we organize a study of culture differently? Pursues the question topically (by considering ideas, peoples, social movements, etc., that cross national borders) and conceptually (by attention to the intellectual traditions that make possible alternative mappings of cultural study). May be repeated with a different topic for a maximum of 6 credit hours.

**AMST-A 397 Foreign Studies in American Studies**

**(1-6 cr.)** Credit for foreign study in American studies when no specific equivalent is available among program offerings. May be repeated for a maximum of 6 credit hours.

**AMST-A 398 Advanced Topics in Arts and Humanities for American Studies (3 cr.) CASE A&H** Advanced study and analysis of a single, closely focused American studies topic within arts and humanities. Topics vary from semester to semester. Focuses on refinement of students' skills in writing, interdisciplinary interpretation, analytical reasoning, discussion, and research related to the study of fine arts, literature, film, and popular culture. May be repeated with a different topic for a maximum of 6 credit hours.

**AMST-A 399 Advanced Topics in Social and Historical Studies for American Studies (3 cr.) CASE S&H**

Advanced study and analysis of a single, closely focused American studies topic within social and historical studies. Topics vary from semester to semester. Focuses on the refinement of students' skills in writing, interdisciplinary interpretation, analytical reasoning, discussion, and research related to the study of public policy, political, economic, and social realities. May be repeated with a different topic for a maximum of 6 credit hours.

**AMST-A 401 Readings in American Studies (1-3 cr.)**

Enables undergraduates of advanced standing to undertake independent research projects under the direction of an American Studies faculty member. Students will typically arrange for 2 to 3 credit hours of work, depending upon the scope and depth of reading, research, and production. Projects will be interdisciplinary and should foreground topics clearly within the rubric of American studies. May be repeated with a different topic for a maximum of 6 credit hours.

**AMST-A 402 Service Learning in American Studies**

**(1-3 cr.)** Enables undergraduates of advanced standing to make intellectual connections between scholarly pursuits and community involvement. Students arrange 1 to 3 credit hours of service work either on creative projects that benefit a community (howsoever defined), or with local nonprofit organizations, government agencies, activist groups, or foundations. Under the direction of their faculty sponsor, students will develop a project outline consistent with American studies inquiry and concerns, a method of accountability, and a final report. May be repeated for a maximum of 6 credit hours.

**AMST-A 450 Senior Seminar in American Studies**

**(3 cr.) P:** A350 and A351, or permission of instructor. Offered once per academic year. The capstone course in the major. Early readings and discussions invite critical reflection on the design of interdisciplinary work, its motives, and the standards of coherence and of evidence that may govern its evaluation. Students develop a senior project, which may take the form of a traditional senior thesis or of a substantial video essay, website, multimedia project, performance piece, installation, etc. Students pursuing creative projects (e.g., a fictional film as opposed to a video documentary) must complement their creative work with considerable critical reflection on its purpose, stakes, design, and limits.

**AMST-A 451 Honors Senior Seminar in American Studies (3 cr.) P:** A350 and A351, or permission of

instructor. For honors students only. Introduction to various approaches in American studies scholarship, illustrated by the work of professors in the program, in preparation and training for the writing of an honors thesis.

**AMST-A 452 Honors Thesis in American Studies (3 cr.)**

**P:** A451. For honors students only. Students develop and write an honors thesis under the direction of an American studies faculty member. An oral examination of the thesis is conducted by three faculty members.

## Animal Behavior

**Introduction**

The Program in Animal Behavior (ABEH) encourages students to explore the many different ways in which scientists aim to understand the physiological, environmental, and evolutionary factors influencing and constraining animal behavior, both human and nonhuman. The program offers a B.S. degree, a minor, and a certificate in animal behavior. The ABEH curriculum emphasizes courses needed to develop a background in the different disciplines that study animal behavior, providing students with the foundations they need to transcend traditional disciplinary boundaries and to reflect on the consequences of different intellectual approaches to a single problem.

To complete degrees in animal behavior, students take courses in evolutionary biology, neuroscience, learning, and more. They also have the opportunity to engage in their own independent research and to participate in applied internships in which they apply their newly learned knowledge to real-world contexts such as zoos, museums, and wildlife rescue centers.

**Contact Information**

Program in Animal Behavior  
Indiana University  
402 N. Park Avenue  
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[cisab@indiana.edu](mailto:cisab@indiana.edu)  
[www.indiana.edu/~animal](http://www.indiana.edu/~animal)

## Faculty

**Director**

- Associate Professor G. Troy Smith

**Professors**

- Jeffrey R. Alberts (Psychological and Brain Sciences)
- Colin Allen (History and Philosophy of Science and Medicine)
- Randall D. Beer (Cognitive Science Program)
- John Beggs (Physics)
- Peter Cherbas (Biology)
- Jonathon Crystal (Psychological and Brain Sciences)
- Gregory E. Demas (Biology)
- Robert de Ruyter van Steveninck (Physics)
- Robert DeVoe (Emeritus, Optometry)
- Preston E. Garraghty (Neuroscience Program, Psychological and Brain Sciences)
- James L. Goodson (Biology)

- Julia R. Heiman (The Kinsey Institute for Research in Sex, Gender, and Reproduction)
- Kevin D. Hunt (Anthropology)
- Ellen Ketterson (Biology)
- Curtis M. Lively (Biology)
- Elisabeth Lloyd (History and Philosophy of Science and Medicine)
- Ken Mackie (Psychological and Brain Sciences)
- Emília P. Martins (Biology)
- Craig E. Nelson (Emeritus, Biology)
- Milos Novotny (Chemistry)
- Rudolph Raff (Biology)
- J. C. Randolph (Emeritus, School of Public and Environmental Affairs)
- George V. Rebec (Neuroscience Program, Psychological and Brain Sciences)
- Stephanie Sanders (Gender Studies)
- Kathy D. Schick (Anthropology)
- Dale R. Sengelaub (Neuroscience Program, Psychological and Brain Sciences)
- Roderick A. Suthers (Medical Sciences, Neuroscience Program)
- William D. Timberlake (Emeritus, Psychological and Brain Sciences)
- Peter M. Todd (Psychological and Brain Sciences)
- Nicholas Toth (Anthropology)
- Virginia Vitzthum (Anthropology)
- Michael J. Wade (Biology)
- Cara L. Wellman (Psychological and Brain Sciences)
- Meredith J. West (Psychological and Brain Sciences)

#### **Associate Professors**

- Heather B. Bradshaw (Psychological and Brain Sciences)
- Richmond Harbaugh (Kelley School of Business)
- Laura Hurley (Biology)
- Daniel Kearns (Biology)
- Armin Moczek (Biology)
- Michael P. Muehlenbein (Anthropology)
- Henry D. Prange (Emeritus, Medical Sciences Program)
- Laura L. Scheiber (Anthropology)
- Whitney M. (Reilly) Schlegel (Biology, Human Biology)
- Thomas Schoenemann (Anthropology)
- Sima Setayeshgar (Physics)
- G. Troy Smith (Biology)
- S. Holly Stocking (Emerita, Journalism)
- Suresh Viswanathan (School of Optometry)

#### **Assistant Scientists**

- Farrah Bashey-Visser (Biology)
- Kimberly Rosvall (Biology)

#### **Academic Advising**

- Associate Professor G. Troy Smith, Jordan Hall 270E, (812) 856-0109

#### **Associate Scientist**

- Marcy A. Kingsbury (Biology)

#### **Senior Scientist**

- Andrew King (Psychological and Brain Sciences)

#### **Academic Advisors**

- Anna Bednarski, Mary Ann Miller, Danielle Murry-Knowles, Libby Tilghman, Jordan Hall A115, (812) 855-3810, [bioadv@indiana.edu](mailto:bioadv@indiana.edu)

#### **Major in Animal Behavior—B.S.**

Students must complete the degree requirements of the College of Arts and Sciences, including Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication.

1. Writing, same as for B.A. degree (English Composition, CASE Intensive Writing).
2. Mathematics, fulfilled by major.
3. Foreign language, 3 credit hours at the second-year level.
4. One Critical Approaches course.
5. Arts and humanities, two courses.
6. Social and historical studies, two courses.
7. Natural and mathematical sciences, fulfilled by major.
8. One Public Oral Communication course.
9. Culture courses are not required.

**Required introductory science courses** (*total of four courses; 12–18 cr., three from among the following:*)

- BIOL-L 111 Foundations of Biology: Diversity, Evolution, and Ecology (3 cr.) or BIOL-E 111 Basic Biology by Examination I (3 cr.)
- BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.) or BIOL-E 112 Basic Biology by Examination II (3 cr.) or BIOL-H 111 Integrated Freshman Learning Experience I (4 cr.)
- PSY-P 101 Introductory Psychology I (3 cr.) or PSY-P 155 Introduction to Psychological and Brain Sciences (3 cr.)

*Plus one of the choices below:*

- CHEM-C 101 Elementary Chemistry I (3 cr.) and CHEM-C 121 Elementary Chemistry Laboratory I (2 cr.)
- CHEM-C 103 Introduction to Chemical Principles (5 cr.)
- CHEM-C 117 Principles of Chemistry and Biochemistry I (3 cr.) **and** CHEM-C 127 Principles of Chemistry and Biochemistry Laboratory I (2 cr.)
- CHEM-S 117 Principles of Chemistry and Biochemistry I, Honors (5 cr.)
- CSCI-A 110 Introduction to Computers and Computing (3 cr.)
- CSCI-C 211 Introduction to Computer Science (4 cr.)
- GEOL-G 104 Evolution of the Earth (3 cr.)
- GEOL-S 104 Honors Evolution of the Earth (3 cr.)
- GEOL-G 105 Earth: Our Habitable Planet (3 cr.)
- GEOL-G 114 Dinosaurs and Their Relatives (3 cr.)
- MATH-M 118 Finite Mathematics (3 cr.)
- MATH-M 212 Calculus II (4 cr.)
- MATH-S 212 Honors Calculus II (4 cr.)
- PHYS-P 201 General Physics I (5 cr.)
- PHYS-P 105 Basic Physics of Sound (3-4 cr.)

**Required Core Animal Behavior Courses** (*Three courses; 6 cr.*)

- ABEH-A 200 Workshop in Animal Behavior (1 cr.)
- ABEH-A 400 Advanced Workshop in Animal Behavior (2 cr.)
- BIOL-Z 460 Animal Behavior (3 cr.)

#### **Required Perspectives in Animal Behavior Courses**

(Choose at least two courses from each of the three sections plus an additional two courses from this list or from required laboratory or supervised research courses below. Additional animal behavior-related courses can be applied to this requirement with consent of department; 24 cr.)

##### *Evolutionary/Ecological Perspectives*

- ABEH-A 401 Topical Issues in Animal Behavior (1–3 cr.)<sup>1</sup>
- ANTH-B 368 Evolution of Primate Social Behavior (3 cr.)
- BIOL-L 318 Evolution (3 cr.)
- BIOL-S 318 Evolution Honors (3 cr.)
- BIOL-L 340 Biological Bases of Sex Differences (3 cr.)<sup>2</sup>
- BIOL-L 369 Heredity, Evolution, and Society (3 cr.)<sup>2</sup>
- BIOL-L 423 Brain, Behavior and Evolution (3 cr.)<sup>2</sup>
- SPEA-E 457 Conservation Biology (3 cr.)
- SPEA-E 460 Fisheries and Wildlife Management (3 cr.)

##### *Mechanisms of Behavior Perspectives*

- ABEH-A 401 Topical Issues in Animal Behavior (1–3 cr.)<sup>1</sup>
- ANTH-B 340 Hormones and Human Behavior (3 cr.)
- BIOL-L 340 Biological Bases of Sex Differences (3 cr.)<sup>2</sup>
- BIOL-L 423 Brain, Behavior and Evolution (3 cr.)<sup>2</sup>
- BIOL-Z 463 Comparative Neurobiology of Animal Behavior (3 cr.)
- BIOL-Z 466 Endocrinology (3 cr.)
- PHSL-P 416 Comparative Animal Physiology (3 cr.)
- PSY-P 326 Behavioral Neuroscience (3 cr.) or PSY P346 Neuroscience (3 cr.)
- PSY-P 411 Neural Bases of Learning and Memory (3 cr.)<sup>2</sup>

##### *Environmental/Developmental/Cognitive Perspectives*

- ABEH-A 401 Topical Issues in Animal Behavior (1–3 cr.)<sup>1</sup>
- ANTH-B 200 Bioanthropology (3 cr.)
- ANTH-E 200 Social and Cultural Anthropology (3 cr.)
- ANTH-L 200 Language and Culture (3 cr.)
- BIOL-L 317 Developmental Biology (3 cr.)
- COGS-Q 240 Philosophical Foundations of Cognitive Science (3 cr.)
- COGS-Q 301 Brain and Cognition (3 cr.)
- LING-L 214 Animal Communication (3 cr.)
- PHIL-P 360 Introduction to Philosophy of Mind (3 cr.)
- PSY-P 325 Psychology of Learning (3 cr.)
- PSY-P 327 Psychology of Motivation (3 cr.)

- PSY-P 411 Neural Bases of Learning and Memory (3 cr.)
- PSY-P 416 Evolution and Ecology of Learning
- PSY-P 444 Developmental Psychobiology (3 cr.)

<sup>1</sup>Topic of ABEH-A 401 must be in the appropriate perspective area.

<sup>2</sup>Course may be counted in only one perspectives area.

#### **Required Mathematics Courses (Two courses; 6–7 cr.)**

*Mathematics (choose one of the following):*

- MATH-M 119 Brief Survey of Calculus (3 cr.)
- MATH-M 211 Calculus I (4 cr.)

*Statistics (choose one of the following):*

- LAMP-L 316 Junior Seminar: Analytical Problem Solving (3 cr.)
- MATH-K 300 Statistical Techniques (3 cr.)
- PSY-K 300 Statistical Techniques (3 cr.)
- PSY-K 310 Statistical Techniques (3 cr.)
- SPEA-K 300 Statistical Techniques (3 cr.)
- SPEA-K 310 Statistical Techniques (3 cr.)
- STAT-S 300 Introduction to Applied Statistical Methods (3 cr.)
- STAT-S 303 Statistics for the Life Sciences (3 cr.)
- STAT-K 310 Statistical Techniques (3 cr.)
- STAT-S 320 Introduction to Statistics (3 cr.)

#### **Required Ethics Course (choose one course; 3 cr.)**

- PHIL-P 140 Introduction to Ethics (3 cr.)
- PHIL-P 242 Applied Ethics (3 cr.)
- PHIL-P 393 Biomedical Ethics (3 cr.)
- Some topical courses in ethics in the History and Philosophy of Science in Medicine Department

#### **Two Formal Laboratory Courses (4–10 cr.)**

- ANTH-B 301 Laboratory in Bioanthropology (3 cr.)
- BIOL-L 113 Biology Laboratory (3 cr.) or BIOL-H 112 Integrated Freshman Learning Experience II (4 cr.)
- BIOL-L 376 Biology of Birds (4 cr.)
- BIOL-L 433 Tropical Biology (3 cr.)
- BIOL-L 474 Field and Laboratory Ecology (2 cr.)
- BIOL-L 465 Advanced Field Biology (3 cr.)
- BIOL-P 451 Integrative Human Physiology (4 cr.)
- BIOL-Z 373 Entomology (3 cr.)
- BIOL-Z 374 Invertebrate Zoology (3 cr.)
- BIOL-Z 406 Vertebrate Zoology (5 cr.)
- BIOL-Z 469 Endocrinology Laboratory (2 cr.)
- BIOL-Z 476 Biology of Fishes (3 cr.)
- PSY-P 426 Laboratory in Behavioral Neuroscience (3 cr.)
- SPEA-E 455 Limnology (3 cr.)
- SPEA-E 461 Fisheries and Wildlife Management Laboratory (3 cr.)

**Supervised Research/Internship** (3 cr. minimum; Laboratories *must* be affiliated with CISAB, the Center for the Integrated Study of Animal Behavior or one additional formal laboratory course from the list above.)

- ABEH-A 495 Animal Behavior Internship
- ANTH-A 406 Fieldwork in Anthropology

- ANTH-A 408 Museum Practicum in Anthropology
- ANTH-A 496 Field Study in Anthropology
- BIOL-L 490 Research in Biology
- CHEM-C 409 Chemical Research
- COGS-Q 493 Research in the Cognitive and Information Sciences
- COGS-Q 495 Project in the Cognitive and Information Sciences
- COGS-Q 498 Readings in the Cognitive and Information Sciences
- COGS-Q 499 Honors Research Project in the Cognitive and Information Sciences
- PHYS-S 406 Research Projects
- PSY-P 493 Supervised Research I
- PSY-P 494 Supervised Research II
- PSY-P 499 Honors Thesis Research

## Certificate in Animal Behavior

### Requirements

A student may earn a certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. Students may be awarded either the minor or the Certificate in Animal Behavior.

In order to complete the certificate, the student must complete the following in addition to the requirements for the minor:

- One additional course from the upper-level course list from requirement 4 of the minor, or a field biology course approved by the Program in Animal Behavior director.
- At least 3 credit hours of internship or independent research, including the submission of a written thesis in animal behavior, anthropology, biology, or psychology:

### Animal Behavior

- A495 Animal Behavior Internship (3 cr. minimum)

### Anthropology

- A406 Fieldwork in Anthropology (3 cr. minimum)
- A408 Museum Practicum (3 cr. minimum)
- A496 Field Study in Anthropology (3 cr. minimum)

### Biology

- L490 Individual Study (3 cr. minimum)

### Psychological and Brain Sciences

- P493 Supervised Research I (3 cr. minimum)
- P494 Supervised Research II (3 cr. minimum)

## Minor in Integrative Study of Animal Behavior

### Requirements

Students must complete six courses (minimum of 17 credit hours; most course choices will result in more than 17 credit hours).

1. Students must complete two introductory courses, choosing one course from two of the following departments:

### Anthropology

- ANTH-B 200 Bioanthropology (3 cr.)
- ANTH-E 200 Social and Cultural Anthropology (3 cr.)

- ANTH-L 200 Language and Culture (3 cr.)
- ANTH-P 200 Introduction to Archaeology (3 cr.)

### Biology

- BIOL-L 111 Foundations of Biology: Diversity, Evolution, and Ecology (3 cr.)
- BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.)
- BIOL-E 111 Basic Biology by Examination I (3 cr.)
- BIOL-E 112 Basic Biology by Examination II (3 cr.)

### Psychological and Brain Sciences

- PSY-P 101 Introductory Psychology I (3 cr.)
- PSY-P 102 Introductory Psychology II (3 cr.)
- PSY-P 106 General Psychology, Honors (4 cr.)
- PSY-P 155 Introduction to Psychological and Brain Sciences (3 cr.)

2. Students must also complete the following course in animal behavior:

- BIOL-Z 460 Animal Behavior (3 cr.)

3. Students must complete one course from two of the following categories, representing core courses for studying animal behavior:

### Evolution

- ANTH-B 368 Evolution of Primate Social Behavior (3 cr.)
- BIOL-L 318 Evolution (3 cr.) or BIOL S318 Evolution, Honors (4 cr.)
- BIOL-L 340 Biological Bases of Sex Differences (3 cr.)\*
- BIOL-L 369 Heredity, Evolution, and Society (3 cr.)
- BIOL-L 423 Brain, Behavior, and Evolution (3 cr.)\*

### Learning and Development

- PSY-P 325 Psychology of Learning (3 cr.)
- PSY-P 411 Neural Bases of Learning and Memory (3 cr.)\*
- PSY-P 416 Evolution and Ecology of Learning (3 cr.)
- PSY-P 444 Developmental Psychobiology (3 cr.)

### Mechanism

- BIOL-L 311 Genetics (3 cr.)
- BIOL-L 340 Biological Bases of Sex Differences (3 cr.)\*
- BIOL-L 423 Brain, Behavior, and Evolution (3 cr.)\*
- BIOL-Z 463 Comparative Neurobiology of Animal Behavior (3 cr.)
- BIOL-Z 466 Endocrinology (3 cr.)
- PSY-P 326 Behavioral Neuroscience (3 cr.) or PSY-P 346 Neuroscience (3 cr.)
- PSY-P 411 Neural Bases of Learning and Memory (3 cr.)\*
- PSY-P 469 Stress Effects on Brain and Behavior (3 cr.)

\*Course may be used to fulfill only one core area requirement.

4. Students must complete at least one additional upper-level course related to animal behavior. Many courses are possible, including any of the 300- or 400-level courses listed above in the core categories or any of the following:

### **Animal Behavior**

- ABEH-A 495 Animal Behavior Internship (1-6 cr.)
- ABEH-A 401 Topical Issues in Animal Behavior (1-3 cr.)

### **Anthropology**

- ANTH-B 301 Laboratory in Bioanthropology (3 cr.)
- ANTH-B 466 The Primates (3 cr.)
- ANTH-P 425 Faunal Osteology (3 cr.)
- ANTH-P 426 Problems in Zooarchaeology (3 cr.)

### **Biology**

- BIOL-L 317 Developmental Biology (3 cr.)
- BIOL-L 376 Biology of Birds (4 cr.)
- BIOL-L 377 Biology of Amphibians and Reptiles (3 cr.)
- BIOL-L 433 Tropical Biology (3 cr.)
- BIOL-L 465 Advanced Field Biology (3 cr.)
- BIOL-L 473 Ecology (3 cr.)
- BIOL-L 474 Field and Laboratory Ecology (2 cr.)
- BIOL-Z 373 Entomology (3 cr.)
- BIOL-Z 374 Invertebrate Zoology (3 cr.)
- BIOL-Z 406 Vertebrate Zoology (5 cr.)
- BIOL-Z 476 Biology of Fishes (3 cr.)

### **Cognitive Science**

- COGS-Q 301 Brain and Cognition (3 cr.)

### **Psychological and Brain Sciences**

- PSY-P 315 Developmental Psychology (3 cr.)
- PSY-P 327 Psychology of Motivation (3 cr.)
- PSY-P 410 Development of the Brain and Behavior (3 cr.)
- PSY-P 426 Laboratory in Behavioral Neuroscience (3 cr.)
- PSY-P 444 Developmental Psychobiology (3 cr.)

## **Course Descriptions**

**ABEH-A 200 Workshop in Animal Behavior (1 cr.)** For students pursuing a major in animal behavior. Introduces a range of research topics within animal behavior. Provides information on general experimental methods and design, and on potential research opportunities in the field.

**ABEH-A 400 Advanced Workshop in Animal Behavior (1-3 cr.)** P: A200 and BIOL-Z 460. Research seminar for advanced animal behavior students. Focuses on an individual research project that culminates in a formal presentation related to the student's independent research or internship experience. Goal is to improve independent study, problem-solving, research, reading, writing, and oral presentation skills.

**ABEH-A 401 Topical Issues in Animal Behavior (1-3 cr.)** Topics related to the scientific study of animal behavior not studied extensively in other courses. Topics vary. May be repeated with different topics for a maximum of 6 credit hours.

**ABEH-A 495 Animal Behavior Internship (1-6 cr.)** P: Consent of department. Hands-on animal behavior research experience in practical situations. Interns are matched with faculty mentors and internship sites. Students combine research with practical service to

the host organization. May be taken or repeated for a maximum of 6 credit hours.

## **Anthropology**

### **Introduction**

Anthropology is the interpretive, scientific, and comparative study of humankind. The Department of Anthropology (ANTH) offers courses in the history of the discipline, museum studies, general anthropology, and the four subfields: anthropological linguistics, archaeology, bioanthropology, and social/cultural anthropology.

Anthropological linguistics concentrates on human communication through language: the structure of languages, the history of their development and interrelationship, and the social contexts for language use. Archaeology explores the material remains of cultures in the recent and distant past, seeking to understand how people once lived. Bioanthropology emphasizes primate origins, evolution, and present-day biological/genetic variation and adaptation of human populations. Social/cultural anthropology studies contemporary and historical cultures and societies of every scale worldwide. Anthropology courses are organized by both geographical areas and interpretive themes.

### **Contact Information**

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<http://www.indiana.edu/~anthro/>

## **Faculty**

### **Chairperson**

- Catherine Tucker

### **Chancellor's Professors**

- Raymond DeMallie
- Anya Peterson Royce

### **Provost Professors**

- K. Anne Pyburn
- Richard R. Wilk

### **Professors**

- Joëlle Bahloul
- Eduardo Brondizio
- Della Cook
- Kevin Hunt
- Douglas Parks
- Sarah Phillips
- Jeanne Sept
- Nazif Shahrami
- Frances Trix
- Virginia Vitzthum
- Andrea Wiley

### **Associate Professors**

- Susan Alt
- Beth Buggenhagen
- Sara Friedman

- Brian Gilley
- L. Shane Greene
- Frederika Kaestle
- Stacie King
- Philip LeSourd
- Michael Muehlenbein
- Laura Scheiber
- P. Thomas Schoenemann
- Marvin Sterling
- Daniel Suslak
- Catherine Tucker

#### **Assistant Professors**

- Ling-yu Hung
- Sarah Osterhoudt

#### **Senior Lecturer**

- April Sievert

#### **Faculty Emeriti**

- Richard Bauman (Distinguished Professor)
- Gracia Clark
- Geoffrey Conrad
- Paula Girshick
- Paul Jamison
- Robert Meier
- Emilio Moran (Distinguished Professor, Rudy Professor)
- Patrick Munson
- Beverly Stoeltje
- Karen Vitelli

#### **Director of Undergraduate Studies**

- Laura Scheiber

#### **Academic Advising**

- Jody K. Ferguson, Student Building 055, (812) 856-0905

## **Major in Anthropology**

#### **Purpose**

The anthropology major acquaints students with basic principles, methods, and findings in anthropological study. Students may acquire a general background in anthropology or develop particular interests in one of the subfields.

#### **Requirements**

Students must complete a minimum of 33 credit hours in anthropology, including:

1. B200, E200, L200, and P200
2. One advanced course (300–400 level) each in three of the four subfields with prefixes "B" for bioanthropology, "E" for social and cultural anthropology, "L" for anthropological linguistics, and "P" for archaeology. Students may substitute A410 for one of these courses.
3. One course designated as having a methods component. These include A306, A405, A406, A410, B301, B405, E302, E423, E485, P301, P380, P385, P390, P401, P405, P406, P407, P425, P426, and other sections taught under variable title if approved

by the advisor. (Methods courses may also count toward the upper-level subfield requirement.)

4. Remaining credit hours are distributed across advanced courses (300–400 level) in any of the four subfields according to student interest. A student may count one additional course at the 200 level. A105, A107, A303, A310, E105, and E303 do not count toward the major.

Students planning to major in anthropology should begin by taking 200-level courses for introduction to the four subfields. Students must also complete the degree requirements for the College of Arts and Sciences.

#### **Recommendations**

Each of the four subfields of anthropology has different expectations as to the course work that best complements the interests and skills of students in each subfield. Course work taken in other departments should be selected in consultation with the director of undergraduate studies. The senior capstone seminar, A410, is recommended for majors.

Graduate work in anthropology often requires knowledge of one or more foreign languages, and students should plan their undergraduate programs accordingly.

## **Interdepartmental Major in Anthropology and Linguistics**

#### **Required Courses**

Students must complete at least 41 credit hours in the major including a minimum of 15 credit hours in each department. At least 18 credit hours of course work must be completed at the 300-level or above.

#### **1. General core courses**

- ANTH-L 200 Language and Culture (3 cr.)
- ANTH-E 200 Social and Cultural Anthropology (3 cr.)
- LING-L 203 Introduction to Linguistic Analysis (3 cr.)
- LING-L 315 Introduction to Sociolinguistics (3 cr.)

#### **2. Elective courses.** Choose at least two courses in each department (15–18 cr.)

#### **Courses in Anthropology:**

- ANTH-E 300 Culture Areas and Ethnic Groups
- ANTH-E 310 Introduction to the Cultures of Africa
- ANTH-E 320 Indians of North America
- ANTH-E 321 Peoples of Mexico
- ANTH-L 320 American Indian Languages
- ANTH-L 330 Mesoamerican Languages
- ANTH-L 400 Topical Seminar in the Ethnography of Communication
- ANTH-P 400 Evolution of Language

#### **Courses in Linguistics:**

- LING-L 306 Phonetics
- LING-L 307 Phonology
- LING-L 308 Morphology
- LING-L 310 Syntax
- LING-L 367 Languages of the World
- LING-L 480 Introduction to African Languages
- LING-L 481 Language in Africa

**3. Language Change**--Choose one course from the following courses:

- ANTH-L 407 Language and Prehistory
- LING-L 430 Language Change and Variation

**4. Fieldwork**--Choose one of the following courses (3 cr.):

- ANTH-E 302 Laboratory in Ethnography
- LING-L 431 Field Methods
- LING-L 441 Field Methods in Sociolinguistics

**5. Language Structure**--Choose one of the following (3–8 cr.):

- LING-L 490 Linguistic Structures (3 cr.)
- LING-L 432 Advanced Field Methods (3 cr.)
- An American Indian Language (8 cr.), such as Lakota ANTH-L 310 and L311, Yucatec Maya LTAM-M 101 and M102, or Quechua LTAM-Q 101-Q102.
- An African Language (8 cr.), such as Akan LING-K 101-K102, Bamana LING-B 101-B102, Swahili LING-S 101-S102, Yoruba LING-Y 101-Y102, or Zulu LING-Z 101-Z102.

**6. Additional electives** to reach at least 41 credit hours with at least 15 credit hours in each department.

Students must also complete the degree requirements of the College of Arts and Sciences.

## Minor in Anthropology

Students must complete a minimum of 15 credit hours in anthropology to include:

1. No more than one course at the 100 level.
2. At least one course selected from B200, E200, L200, and P200.
3. At least three advanced courses (9 credit hours) at the 300–400 level, selected in conjunction with the advisor to suit the student's interests.
4. Students may select up to 5 credit hours from A406, A408, A495, and A496.

## Minor in the Anthropology of Food

The minor in the anthropology of food offers students the opportunity to explore the ways in which food relates to culture and society, economics, globalization, identity, health, and history. Anthropology faculty teach courses that specifically target food and food systems around the world using ethnographic, bioanthropological, archaeological, and linguistic methods and data. The department offers courses concerning the global trade in food products, famine, attitudes about eating and food preparation, ceremonial and symbolic aspects of food production and preparation, and perspectives on food and health in both modern and ancient human populations.

Students must complete a minimum of 15 credit hours in anthropology to include:

1. At least one course selected from B200, E200, L200 or P200.
2. A221 Anthropology of Food, E421 Food and Culture, or another food-related Anthropology course at the 200 level or above.
3. At least three 300–400 level courses (9 credit hours) on food-related topics. Suitable courses include E337, E425, E426, E485, P375, P380, P425, or

P426. ANTH B400, E300, E302, E400, L400, or P399 can be counted if the focus of the course work is clearly on food.

4. Students may count up to 5 credit hours from A406, A408, A495, and A496 for projects or work related to the anthropology of food, with approval of the director of undergraduate studies or academic advisor.

## Minor in Archaeology

Students must complete a minimum of 15 credit hours in anthropology to include:

1. P200 Introduction to Archaeology
2. One course in archaeological methods: P301, P380, P385, P390, P401, P405, P406, P407, P409, P425, P426 or other course selected in consultation with the advisor. P405 is recommended.
3. At least one 300–400 level course with "P" prefix in the archaeology of a particular geographic region. Students may elect to take Classical Studies C412, C413, C414, or C419 as their regional-focus course.
4. At least one additional course with P prefix at the 300 level or above.
5. One additional course in anthropology on a topic related to archaeology, selected in consultation with the advisor. ANTH-A 105 or A107 or a Critical Approaches course taught by an archaeologist in Anthropology may count toward the minor.
6. With the approval of the director of undergraduate studies or the academic advisor, up to 5 credit hours from A406, A408, A495, and A496 for projects or work related to archaeology may count toward the minor.

## Certificate in Global Human Diversity

### Purpose

A student may earn a certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. The Certificate in Global Human Diversity is available only to students outside the anthropology major. This certificate explores the cultural, biological, linguistic, and historical diversity of human societies worldwide. The certificate program prepares students to address major problems of identity, race, conflict, power, and access to resources using perspectives from all four subfields of anthropology.

### Required Courses

The certificate requires 24 credit hours, normally eight semester courses, and comprises both required and elective courses. Students must take at least one course in bioanthropology, and at least one foundational course in social and cultural anthropology, along with courses having area or topical focus. An internship is strongly encouraged. For further information, contact the anthropology advising office.

1. ANTH-E 105 Culture and Society (3 cr.) **or** ANTH-E 210 Rethinking Race Globally (3 cr.).
2. Two courses from the following:
  - B200 Bioanthropology
  - E200 Social and Cultural Anthropology
  - L200 Language and Culture
  - P200 Introduction to Archaeology

3. Internship or field project (either under A496 or as part of a course).
4. Two topical or thematic anthropology courses selected after consulting with an advisor.
5. Two area or regional courses selected after consulting with an advisor.
6. At least 9 credit hours of course work for the certificate must be completed at the 300–400 level.

## Departmental Honors Program

The anthropology honors program offers tutorial guidance to superior students who want to develop in-depth research interests. Students may enter the program in the second semester of their sophomore year or at any time during their junior year. Ordinarily, only students with outstanding academic records will be accepted, but applicants' strength of interest and commitment are also considered. Acceptance is made by the department chairperson or honors advisor, who will assign the student to a faculty tutor.

Honors students must enroll in A399 Honors Tutorial in Anthropology, in which a thesis must be prepared from original research. A399 may be repeated once. A one-hour oral examination over the thesis will be administered during the senior year by a three-member committee, of which one member is to be selected from outside the Department of Anthropology. Eligible and interested students should consult with the departmental honors advisor.

## Field and Overseas Study

Anthropology is predominantly founded on field research, and students are encouraged to register for a field school. Many course requirements for the major or minor in anthropology and other departments can be met through approved field schools, and field school elective hours are applicable to any College major. Anthropology credit for field school participation is guaranteed only for programs directed by IU anthropology faculty or with advance approval by the director of undergraduate studies. Opportunities for participating in fieldwork with IU faculty exist outside of formal field school courses. For more information about field schools and fieldwork, contact the Anthropology undergraduate academic advisor, Student Building 055, (812) 856-0905; for study abroad, contact the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304.

## Course Descriptions

### General Anthropology

#### **ANTH-E 105 Culture and Society (3 cr.) CASE S&H**

Introduction to the ethnographic and comparative study of contemporary and historical human society and culture. May be taken simultaneously with A105. Credit given for only one of the following: A104, E105, E303, or A304. E105 does not count toward major.

**ANTH-A 107 Becoming Human: Evolving Genes, Bodies, Behaviors, Ideas (3 cr.) CASE N&M** Introduces the interdisciplinary science of human evolution using evidence from genetics, comparative anatomy and behavior of living primates, fossils, and archaeology. Shows how understanding the evolutionary past is relevant to current and future human conditions. Does not

count toward the major. Credit given for only one of A107, A105, A303, or A310.

**ANTH-A 150 Freshman Seminar in Anthropology: Topics (3 cr.) CASE S&H** Introduction to the study of anthropology through the applicability of anthropological theory and method to specific social and cultural issues. May be repeated once with different topic.

#### **ANTH-A 200 Topics in Anthropology of Culture and Society (3 cr.) CASE S&H**

Selected topics in the anthropological study of social and cultural institutions. Emphasizes understanding and developing anthropological approaches to questions about social, economic, political, and historical relationships among groups and individuals in contexts across the globe. Course topics may utilize ethnographic, archaeological, linguistic, and historical information. May be repeated with a different topic for a maximum of 6 credit hours.

#### **ANTH-A 205 Anthropology Today: Selected Topics in Current Research (1-4 cr.)**

Selected topics in anthropological methods, techniques, and area or thematic studies. Course content will draw on the fieldwork experiences and/or current research of the instructor(s). May be repeated with different topics for a maximum of 6 credit hours.

#### **ANTH-A 208 Topics in the Anthropology of the Arts and Expressive Behavior (3 cr.) CASE A&H**

Introduction to selected topics in the anthropology of art, performance, music, literature, folklore, belief, and ritual. Examines the methods anthropologists use to study the arts or other expressive behaviors and explores art and expression in a variety of cultural settings. May be repeated with a different topic for a maximum of 6 credit hours.

#### **ANTH-A 211 Anthropology Topics in the Natural and Mathematical Sciences (3 cr.) CASE N&M**

Selected topics in anthropology that explore human interaction with physical and biological environments, or apply scientific methodology to anthropological questions. May emphasize human evolution and biology, nutrition, forensics, non-human primates, technology, archaeometry, and other scientific measurement, experimentation, and inquiry as it relates to anthropological study.

#### **ANTH-A 221 Anthropology of Food (3 cr.) CASE S&H**

In this course we will examine, across space and time, the significance and meaning of food, its production and consumption in human culture and society. Ideas and practices concerning food are deeply held markers of who we are and how we define ourselves.

#### **ANTH-E 303 Introduction to Social and Cultural Anthropology (3 cr.) CASE S&H**

R: Junior standing. Introductory course for more advanced students. Approaches to the study of contemporary cultures: structure, process, and change. Topics include kinship, economy, politics, religion, and worldview. Not open to students who have had E105. Not sequential with A303. E303 does not count toward major.

#### **ANTH-A 306 Anthropological Statistics (3 cr.) CASE N&M**

Fundamentals of univariate and bivariate statistics, construction and interpretation of graphs, and computer-assisted data analysis. Both statistical methodology and theory will be emphasized as well as computer literacy.

Students will examine the primary literature in all branches of anthropology to familiarize themselves with the role of statistics in anthropological research. Credit given for only one of A306, CJUS K300, ECON E370 or S370, MATH K300 or K310, POLS Y395, PSY K300 or K310, SOC S371, STAT K310 or S300 or S301, or SPEA K300.

**ANTH-A 310 The Human Species: Evolution and Archaeology (3 cr.) CASE N&M** Advanced introduction to scientific theories and methods used to explain and understand biological evolution and cultural innovations of Homo sapiens. Past environments, primates, genetics, fossils, artifacts and archaeological sites will be discussed. Credit given for only one of A105, A107 A303 or A310. A310 does not count toward major.

**ANTH-A 399 Honors Tutorial (3 cr.)** P: Consent of departmental honors advisor. Research and writing, culminating in honors thesis. May be repeated once.

**ANTH-A 400 Undergraduate Seminar in Anthropology (3-4 cr.)** Seminar in various anthropology topics not covered by other anthropology courses, excluding ethnography and ethnology. May be repeated with a different topic for a maximum of 9 credit hours.

**ANTH-A 403 Introduction to Museum Studies (3 cr.)** Introduction to general principles, goals, and objectives of museum practice. Museum history, administrative organization, physical plant design, restoration, acquisition, exhibit, and educational programs.

**ANTH-A 405 Museum Methods (3 cr.)** P: A403 or consent of instructor. Methods and techniques of museum design, administration, accessioning, conservation and restoration, acquisition of specimens, curatorial work, exhibition, and education.

**ANTH-A 406 Fieldwork in Anthropology (1-8 cr.)** Fieldwork in anthropology carried out by the student in consultation with faculty members. May be repeated to a maximum of 8 credit hours.

**ANTH-A 408 Museum Practicum (1-4 cr.)** P: A403, A405, or consent of instructor. Independent work of student's choice in one aspect of the field of museum work. Relevant readings required. May be repeated for a maximum of 8 credit hours.

**ANTH-A 410 Anthropology Capstone Seminar (3 cr.) CASE S&H** P: Senior status or advanced anthropology students. Selected topics in anthropology approached using concepts from all four subfields of the discipline. Asks students to examine the goals of anthropology and apply what they have learned in previous course work to current research and contemporary issues. May be repeated for a maximum of 6 credit hours.

**ANTH-A 420 Undergraduate Teaching Internship (1-6 cr.)** Open to junior or senior anthropology majors with consent of instructor. Students assist preparation and implementation of undergraduate courses. Interns may develop materials, oversee laboratory activities, lead discussions, maintain educational collections, or moderate online work. Students in A420 do not assist in grading. May be repeated up to 6 credit hours.

**ANTH-A 467 Topics in Medical Anthropology (3 cr.)** P: ANTH-E 445 or ANTH-B 445. In-depth perspectives on central topics in contemporary medical anthropology.

Focus varies and may include such topics as HIV-AIDS in cross-cultural context; anthropological perspectives on disability; child health and nutrition; health and structural inequalities; and medical anthropology of gender and reproduction. May be repeated with a different topic for a maximum of 6 credit hours.

**ANTH-A 495 Individual Readings in Anthropology (1-4 cr.)** P: Consent of instructor. May be taken in successive semesters for credit.

**ANTH-A 496 Field Study in Anthropology (1-8 cr.)** P: Consent of chairperson. Supervised fieldwork of an anthropological nature arranged through an outside agency or institution, such as an internship, apprenticeship, or volunteer work at a governmental office, zoo, or archaeological site. One credit hour per full week of fieldwork. May be repeated for a maximum of 8 credits.

#### **Bioanthropology**

**ANTH-B 200 Bioanthropology (3 cr.) CASE N&M** Bioanthropology of humans, basic biological principles, morphology, and function of evolutionary history. Human evolution from lower forms, environmental factors, speciation and differentiation into varieties, mixture, growth, sexual differences, and constitutional variability. I Sem., II Sem.

**ANTH-B 260 Biocultural Medical Anthropology (3 cr.) CASE N&M** A survey of health and disease from a biocultural perspective, which incorporates the evolutionary, ecological, and sociocultural context of health and disease to answer such questions as why we get sick and why there is population variation in the risk of becoming sick. Topics include reproductive, infectious, and chronic diseases.

#### **ANTH-B 301 Laboratory in Bioanthropology (3 cr.)**

**CASE N&M** P or C: B200 or consent of instructor. Laboratory investigations of human skeletal biology, including age and sex determinations, bone pathologies, and forensic identification; human paleontological and primate observations; variability in living populations, including anthropometry, blood grouping, and dermatoglyphics. Emphasis on a biocultural perspective in applying methods and techniques of bioanthropology.

#### **ANTH-B 310 Bioanthropology: A History of Ideas (3 cr.) CASE S&H**

P: B200, B301, or permission of instructor. Emergence of modern bioanthropology as an academic discipline, emphasizing the careers of prominent scholars and theoretical contributions they made. Influences of funding institutions and major departments on the directions of research. Relationships to other fields of study.

#### **ANTH-B 312 Evolutionary Medicine (3 cr.) CASE N&M**

P: An introductory course in bioanthropology, medical science, psychology, or biology; or instructor consent. Incorporates principles from evolutionary theory into our understanding of various infectious and chronic diseases common to human populations both past and present. Although proximate mechanisms involving physiology and behavior will be discussed, the focus will be to determine why such mechanisms have evolved in the first place.

#### **ANTH-B 340 Hormones and Human Behavior (3 cr.)**

**CASE N&M** P: Junior or senior standing, and an introductory course in bioanthropology, medical science,

psychology, or biology; or instructor consent. Reviews the roles of hormones in the evolution and expression of human and nonhuman animal behaviors. Emphasis placed on behaviors associated with aggression, stress, mating, and parenting. Particularly relevant for students interested in evolutionary psychology and human health.

**ANTH-B 368 The Evolution of Primate Social Behavior (3 cr.) CASE N&M** Major patterns of social organization in the order Primates, with focus on several important primate species. Examination of Darwinian theories of behavioral evolution. Particular attention paid to the influence of food-getting and diet on social behavior.

**ANTH-B 370 Human Variation (3 cr.) CASE N&M**  
P: Sophomore standing. Variation within and between human populations in morphology, gene frequencies, and behavior. Biological concepts of race, race classification along with other taxonomic considerations, and evolutionary processes acting on humans in the past, present, and future.

**ANTH-B 400 Undergraduate Seminar (3 cr.)** Selected topics in bioanthropology. Analysis of research. Development of skills in analysis and criticism. Topic varies. May be taken for a total of 9 credit hours as long as the topic changes.

**ANTH-B 405 Fieldwork in Bioanthropology (1-8 cr.)**  
P: Consent of instructor. Fieldwork involving the collection and analysis of biological or biosocial data on prehistoric and contemporary human populations. The materials or data may be paleontological, archaeological, physiological, or ecological in nature. 1 credit hour per full week of fieldwork. SS.

**ANTH-B 464 Human Paleontology (3 cr.)** P: B200-B301. Human fossils: their structure, classification, evolution, geologic range, and geographical distribution.

**ANTH-B 466 The Primates (3 cr.) CASE N&M** P: A105, A107, B200-B301, or consent of instructor. Paleontology, functional morphology, behavior, and natural history of the infrahuman primates. Emphasis on behavioral and ecological correlates of morphology.

**ANTH-B 470 Human Adaptation: Biological Approaches (3 cr.) CASE N&M** Examines the concept of adaptation within the framework of bioanthropology, anthropology, and other disciplines. Focuses on individual and population responses to heat, cold, solar radiation, high altitude, and nutritional and disease stress.

**ANTH-B 472 Bioanthropology of Aboriginal America (3 cr.)** P: B200. Bioanthropological survey of past and present aboriginal inhabitants of North and South America: origins and antiquity, archaeological and ethnic relationships.

**ANTH-B 480 Human Growth and Development (3 cr.)**  
P: B200-B301. Characteristics of normal growth and development from birth to maturity, establishment of constitutional qualities, and aging. Anthropology of individual considered from standpoint of causal factors, patterns of expression, and methods of assessment.

### Social and Cultural Anthropology

**ANTH-E 101 Sustainability and Society (3 cr.) CASE S&H** How do humans relate to the environment? Addresses this question from cross-cultural, historical,

scientific, and ethical perspectives. Considers current problems; examines how technical, socioeconomic and political changes transform people's use of natural resources. Students evaluate how societies vary in perceptions of nature and explore implications for behavior, decision making, and environmental change.

**ANTH-E 102 Anthropology of America (3 cr.) R:** Freshmen only. Anthropological analysis of American society: marriage, descent, kinship organization, religion, social stratification, and economic basis of social structure.

**ANTH-E 200 Social and Cultural Anthropology (3 cr.) CASE S&H** Intermediate survey of theories and problems in social and cultural anthropology. Historical development, methods of inquiry, focal problems, and contemporary theoretical perspectives. I Sem., II Sem.

**ANTH-E 206 Chanting Down Babylon: Protest and Popular Culture in the Afro-Caribbean (3 cr.) CASE S&H, CASE GCC** Explores Afro-Caribbean popular culture as a mechanism of political protest against colonialism and its legacies, the failures of local government, and first-world political and economic hegemony. Examines popular culture on the grass-roots level while incorporating mass-media content such as recorded music and film.

**ANTH-E 208 Global Jazz, Reggae, and Hip-Hop: African Diasporic Music Beyond the African Diaspora (3 cr.) CASE A&H** With focus on jazz, reggae, and hip hop, this course links musical production and consumption in the African diaspora to issues of social identity. Among those aspects of social identity considered are race, nation, religion, class, and gender. The course investigates the spread of these musical genres around the world.

**ANTH-E 210 Rethinking Race Globally (3 cr.) CASE S&H** Provides a synthetic approach to human diversity including such aspects as biology, linguistics, culture, and psychology. What do humans have in common? Why do we vary so much? Is physical appearance a good measure of difference?

**ANTH-E 212 The Anthropology of Youth and Adolescence (3 cr.) CASE S&H** A broad introduction to the cross-cultural study of adolescence. Examines classic anthropological concerns such as age sets and age grades, generational groups, and rites of passage, as well as current research on youth language, global youth culture, and intergenerational politics.

**ANTH-E 230 American Ethnic Diversity (3 cr.) CASE S&H, CASE DUS** This course focuses on racial and ethnic groups within the United States, including Native Americans, African Americans, Asian Americans, Hispanics, Jewish Americans and the self-defined "white ethnics." Topics will include the nature of prejudice and stereotypes, the immigrant experience, ethnic strategies for success, education, the arts and competitive sports as a means of expression and social mobility.

**ANTH-E 251 Post-Taliban Afghanistan and the War on Terror (3 cr.) CASE S&H, CASE GCC** The September 11th attacks prompted the on-going "War on Terrorism" against Taliban-controlled Afghanistan. This course examines this conflict while focusing on Afghanistan as a multi-ethnic, modern nation-state ravaged by a century

of internal colonialism and most recently by foreign invasions, proxy wars, and global terrorism. Credit given for only one of ANTH-E 251, CEUS-R 251, or NELC-N 251.

**ANTH-E 260 Culture, Health, and Illness (3 cr.) CASE S&H, CASE DUS** Across the world, ideas about and experiences of health, "disease," and medicine are profoundly shaped by culture. Introduction to cross-cultural approaches to understanding health and illness, covering topics such as ethnomedicine, ritual healing, gender and health, and international development and global health.

**ANTH-E 275 Indigenous Worldviews (3 cr.) CASE S&H, CASE GCC** A survey of some basic concepts of indigenous lifeways, this course introduces comparative cultural analysis, providing a foundational course for those interested in thinking about how others think and how we think about otherness. Students will examine mythology, ritual, health, art, and philosophy within the context of colonialism and globalization.

**ANTH-E 300 Culture Areas and Ethnic Groups (1-3 cr.)** An ethnographic survey of a selected culture area or ethnic group. May be repeated for a maximum of 6 credit hours.

**ANTH-E 302 Laboratory in Ethnography (3 cr.) CASE S&H** P: ANTH E105 or E200, or permission of the instructor. Students learn the approaches and methods of ethnography by conducting their own hands-on field research projects in and around the community. Students complete a series of ethnographic lab assignments on participant observation, mapping and visual technologies, interviewing, and writing up research findings.

**ANTH-E 307 Shamanism and Spirit Possession (3 cr.) CASE S&H** An overview of anthropological approaches to two important religious phenomena: shamanism and spirit possession. Topics include how individuals are called to these vocations, whether curing rituals "work," and the nature of shamanism in the modern world.

**ANTH-E 309 Problems in African Ethnography (3 cr.) CASE S&H, CASE GCC** Concentrating on ethnographies of African cultures, this course seeks to create an understanding of specific social worlds through the interaction of cultural practices (economy, the arts, law, language, religion, politics) as they have been affected by colonialism, nationalism, modernity, and globalization. May be repeated with a different topic for a maximum of 6 credit hours.

**ANTH-E 310 Introduction to the Cultures of Africa (3 cr.) CASE A&H, CASE GCC** R: ANTH E105 or E200 or E303 or AFRI L231 or L232. Explores the vitality and diversity of African cultures today in communities ranging from town neighborhoods to remote villages and from desert to rainforest. Demonstrates the tenacity and creativity of human societies facing severe political, social, and ecological pressures, but also contributes new questions and answers to global debates about family values, ethnicity, terrorism, hunger, and economic growth.

**ANTH-E 312 African Religions (3 cr.) CASE A&H, CASE GCC** An introduction to the variety of religious beliefs and practices in sub-Saharan Africa. Examines important themes that are common to indigenous religions and looks at the impact of Islam and Christianity. The

focus is on how religion is interwoven with social, political, and economic aspects of life and is expressed in myth, ritual, and art.

#### **ANTH-E 314 Voices of Women (3 cr.) CASE A&H**

Ethnographic approaches to women's experience and influences on that experience, such as the sixteenth- and seventeenth-century witch hunts and popular fairy tales in print and film. Students may conduct interviews individually, write a contemporary fairy tale, and work in groups to research specific topics.

#### **ANTH-E 319 American Indian Religions (3 cr.) CASE S&H, CASE DUS**

Introduces religions of the peoples indigenous to North America. Concerns include traditional and contemporary native rituals, mythology, folklore, and symbolism occurring throughout these many cultures including topics such as art, architecture, cosmology, sustenance, modes, trade, history, gender, and taboos.

#### **ANTH-E 320 Indians of North America (3 cr.) CASE S&H, CASE DUS**

Ethnographic survey of culture areas from the Arctic to Panama plus cross-cultural analysis of interrelations of culture, geographical environment, and language families.

#### **ANTH-E 321 Peoples of Mexico (3 cr.) CASE S&H, CASE GCC**

Surveys modern Indian groups, peasant societies, problems of acculturation, and urbanization in contemporary Mexico.

#### **ANTH-E 322 Peoples of Brazil (3 cr.) CASE S&H, CASE GCC**

Cultural traditions in Brazil: Indian, Iberian, and African; evolving regional subcultures. Current issues about Brazilian society.

#### **ANTH-E 324 Native American Art (3 cr.) CASE A&H, CASE DUS**

This course is an introduction to the visual arts of Native Americans in the period since contact. Topics will include the artist (traditional and contemporary); the relationship of art, myth, and ritual; the effects of contact with other cultures on Indian arts; and shamanism and art. Class discussion will be illustrated with slides and movies. The class will visit and utilize the collections of Indian art at the Mathers Museum.

#### **ANTH-E 327 Native Amazonians and the Environment (3 cr.) CASE S&H, CASE GCC**

Study of how native peoples in the Amazon Basin have used the environment from prehistoric times to the present. Examination of archaeological evidence, current pressures from development processes, and indigenous knowledge as the key to balancing conservation and development.

#### **ANTH-E 328 Ecological Anthropology (3 cr.) CASE S&H**

Survey of anthropological approaches to the study of human interaction with the environment: history of ideas, major theories, critiques, and contemporary approaches.

#### **ANTH-E 332 Jewish Women: Anthropological Perspectives (3 cr.) CASE S&H, CASE DUS**

This course will be devoted to the analysis of women's place in Jewish society and culture. The Jewish woman will be studied through the investigation of images and representations, of gender dimension in kinships and family structures, and of religious roles. Special attention will be given to the evolution of traditional patterns in contemporary society and history.

**ANTH-E 333 Peoples of the Andes (3 cr.) CASE S&H**

Explores the cultures of prehistoric and current groups of the slopes and high reaches of the Andes, from Colombia to southern Chile. Considers historic and current contexts of socioeconomic, political, and environmental change that have shaped the cultures of their nations. The Quichua (Quechua), Aymara, and Mapuche cultures receive special attention.

**ANTH-E 335 Ancient Civilizations of Mesoamerica (3 cr.) CASE S&H, CASE GCC** Historical ethnography of the major pre-Columbian civilizations, especially the Aztec, the Maya, and the Zapotec and Mixtec. Emphasis on the social life, cultural achievements, religion, worldview, and political systems to illustrate the diversity and richness of Amerindian life before the Spanish conquest.**ANTH-E 337 Food, Sex and Gender (3 cr.) CASE GCC**  
Studies a range of people and places--from cave dwellers to reality TV, New Guinea to New York. Explores how food reflects and creates gender and promotes and expresses sexuality. Readings from many disciplines will foster wide ranging and lively discussion.**ANTH-E 340 Indians of Mexico and Central America (3 cr.) CASE S&H, CASE GCC** R: E105, E200, E303, or sophomore standing. Ethnographic survey of Indian populations of Mexico and Central America, both past and present. Position of Indians within larger political contexts; options and strategies characterizing these relationships.**ANTH-E 345 China through Anthropological Eyes (3 cr.) CASE S&H, CASE GCC** An introduction to the anthropology of modern China. Examines representations of China and how those portrayals have been influenced by East-West relations. Focuses on the twentieth and twenty-first centuries, particularly the socialist era and recent decades.**ANTH-E 347 The Anthropology of Contemporary Japan (3 cr.) CASE S&H, CASE GCC** Frames in anthropological perspective the history, present, and future of Japanese society. Explores anthropological research on Japanese attitudes toward ethnic and national identity; gender and education; and the wide-ranging impact of Japan's economic decline on attitudes toward work, play, consumption, and travel overseas.**ANTH-E 371 Modern Jewish Culture and Society (3 cr.) CASE S&H, CASE GCC** Introduction to the methods and theories of social anthropology as applied to Judaism and Jewish identity. Review of the main social anthropological approaches to Jewish ritual and mythology, from evolutionist theory to structural analysis. Analytical reading of ethnographic works on modern Jewish communities and ritual practices.**ANTH-E 380 Urban Anthropology (3 cr.) P: E200.**  
Urban social organization in cross-cultural perspective. Theoretical perspectives on urbanism and urbanization. Problems include kinship and social networks, politico-economic factors, and cultural pluralism. Strategies of anthropological research in urban settings.**ANTH-E 381 Ethnographic Analysis of Family, Work, and Power (3 cr.) CASE S&H** P: E105 or E200 or consent of instructor. This course teaches ethnographic analysis as a set of intellectual and practical tools students

can use to define and answer questions about the implications of economic and social changes in their own lives and the world at large. Students will learn to identify and debate the patterns of loyalty, authority, and conflict established by specific relations in families and workplaces whether these are described in readings or presented in actual situations.

**ANTH-E 382 Memory and Culture (3 cr.) CASE S&H**

Remembrance is analyzed as a cultural and social reality. Review of the theoretical literature on collective memory as it unfolds in written, narrative, visual, and audiovisual art; in architecture and monuments; in private and public ritual; in genealogy; and in the social experience of the body.

**ANTH-E 385 Applied Anthropology (3 cr.) CASE S&H**

Survey of the applications of anthropological theory and method to meet societal needs in the areas of education, health, industry, food production, and rural development.

**ANTH-E 387 The Ethnography of Europe (3 cr.) CASE S&H, CASE GCC** Europe is viewed as an idea, an identity, and an historical consciousness. Students explore the meaning of this idea in the contemporary development of social and cultural anthropology, and in such social areas as regionalism and nationalism, ethnic identity, gender and kinship, religion, the city versus the village, and political life.**ANTH-E 393 World Fiction and Cultural Anthropology (3 cr.)** Uses literature and anthropology as a means of understanding culture. Ethnographic writing and world fiction—novels, short stories, poems, myths, folktales—are analyzed to reveal aspects of the social, cultural, and political lives of peoples around the world. Colonialism, war, socialism, and immigration are also discussed.**ANTH-E 394 Stories and Stereotypes: Discourses of Difference (3 cr.) CASE S&H** Uses texts, movies, and stories to investigate ideas about differences and sameness, self and other. Viewing personal experience and local knowledge ethnographically, the class examines how stereotypes, conspiracies, or understanding of others develop and are then encapsulated in the discourse of everyday life.**ANTH-E 397 Peoples and Cultures of the Middle East (3 cr.) CASE S&H, CASE GCC** General anthropological introduction to social institutions and cultural forms of the Arab countries of North Africa and the Near East, Israel, Turkey, Iran, Afghanistan. Topics include ecology, development of Islam and Muslim empires, traditional adaptive strategies, consequences of colonialism, independence and rise of nation-states, impact of modernization, changing conceptions of kinship, ethnicity, and gender. Credit given for only one of E397, CEUS R352, CEUS U397, or NELC N397.**ANTH-E 398 Peoples and Cultures of Central Asia (3 cr.) CASE S&H, CASE GCC** General anthropological introduction to societies and cultures of contemporary Muslim successor states of former Soviet Central Asia, Western China (Xinjiang), and Iran and Afghanistan. Topics include ecology, ethnohistory, traditional subsistence strategies, family, kinship, gender, sociopolitical organization, impact of colonial rule of tsarist and Soviet Russia and China, development of modern nation-states in Iran and Afghanistan, and dynamics of

current conflicts and future prospects. Credit given for only one of E398, CEUS R316, or CEUS U398.

**ANTH-E 400 Undergraduate Seminar (3 cr.)** Intensive examination of selected topics in anthropology. Emphasis on analytic investigation and critical discussion. Topics vary. May be taken with a different topic for a maximum of 9 credit hours.

**ANTH-E 404 Field Methods in Ethnography (3 cr.)** P: Junior standing. Introduction to the methods and techniques anthropologists use in ethnographic research. Preparation of a research proposal, interviewing, and the use of the life histories and case studies. May be taken with a different topic for a maximum of 9 credit hours.

**ANTH-E 407 Visual Anthropology: Filmmaking (3 cr.)** P: Junior standing or permission of instructor. Experimental filmmaking concerning social behavior, institutions, and customs.

**ANTH-E 408 Talk, Tales, and Television: Africa, Europe, the United States (3 cr.) CASE A&H** Colonialism, the slave trade, apartheid, African music, Roots, Hollywood: these subjects link together Americans, Europeans, and Africans, and they are portrayed through talk, television, film, radio, and performance at specific sites. Using specific examples, we will examine these tools of communication critically to better understand the ideas and images that circulate back and forth across the Atlantic.

**ANTH-E 412 Anthropology of Russia and Eastern Europe (3 cr.) CASE S&H, CASE GCC** Explores the contradictory effects of socialism's "fall" through a study of new ethnographies of postsocialist societies. Regional inquiries will be related to broader intellectual issues such as globalization, social suffering, commodification and cultural identity, ethnicity and nation building, armed conflict, and gender inequalities.

**ANTH-E 416 Anthropology of Tourism (3 cr.) CASE S&H** Explores the phenomenon of tourism from an anthropological perspective. Looks at tourism as linked to consumer culture, transnational movements of people and goods, post-colonial settings, global capitalism, and the politics of ethnic and national identities.

**ANTH-E 417 African Women (3 cr.) CASE S&H, CASE GCC** The remarkably active roles that African women play in their communities bring them respect, but also heavy responsibilities. This course follows the themes of autonomy and control of resources, considering both economic resources such as land, labor, income and cattle, and social resources such as education, religion, and political power.

**ANTH-E 418 Globalization and Consumer Culture (3 cr.) CASE S&H, CASE GCC** Examines processes of globalization and economic and cultural integration, including the origin and spread of mass-consumer society. Topics include the theories of consumption, mass media and advertising, and the relationship between modernity and consumerism. Examples from Africa, Latin America, Asia, and the United States are included.

**ANTH-E 420 Economic Anthropology (3 cr.) CASE S&H** Introductory course in social/cultural anthropology. Selected topics in economic anthropology. Focus includes contemporary and classic debates; gendered forms of

(re)production, such as division of labor and knowledge; ecology; nutrition and food politics; and money, markets, consumption, and value in transnational and global contexts. May be repeated with a different topic for a maximum of 6 credit hours.

**ANTH-E 421 Food and Culture (3 cr.) CASE S&H** Discussion of the economy of food production, trade and consumption on a global basis. Gives a cross-cultural and historical perspective on the development of cooking and cuisine in relationship to individual, national, and ethnic identity. Relates cuisine to modernity, migration, and forms of cultural mixing and Creolization.

**ANTH-E 423 Life Histories (3 cr.) CASE S&H** Life histories give ethnographies accessibility, emotional impact, deep contextualization, and a deceptively transparent opening for authentic voices. An exploration of the complex issues of power and knowledge underlying this method, including interviewing strategies, consent, confidentiality, editing and publishing choices, and considers its position within broader research agendas. We discuss classic examples, recent narrative collections and contemporary experimental texts.

**ANTH-E 426 Coffee Culture, Production, and Markets (3 cr.)** Considers diverse expressions of "coffee culture" in production, markets, and consumption patterns. Explores the history of coffee production and trade, coffee's impact on international relations, and its implications for environmental changes, social justice, and economic development. Also studies local meanings of coffee and its consumption.

**ANTH-E 428 Contemporary Latin American Social Movements (3 cr.) CASE S&H, CASE GCC** Compares and contrasts contemporary activist and grassroots movements throughout the Latin American region. Focuses on movements both within the region and within the Latin American diaspora in the United States, organized around the rubrics of ethnicity, gender, resources, and environment.

**ANTH-E 430 Kinship Organization (3 cr.) CASE S&H** P: E200 or graduate standing. A review of the history and theory of kinship analysis in the British and American traditions.

**ANTH-E 436 The Politics of Marriage (3 cr.) CASE S&H** What is the state of marriage today? How do we understand marriage as a social, political, and economic institution? Examines marriage across cultures and time periods. Discusses topics such as arranged marriages, marriage and racial politics, marital citizenship, wedding industries, and battles over same-sex marriage.

**ANTH-E 440 Political Anthropology (3 cr.)** P: E105, E200, or E303. Cultural dimensions of politics and political organizations. Emphasis on national and transnational structures, nationalism and ethnonationalist movements, and local-level politics from ethnographic and comparative perspectives.

**ANTH-E 444 People and Protected Areas: Theories of Conservation (3 cr.) CASE S&H** Seminar course that explores major theories and approaches to conservation, from "fortress conservation" to community-based and participatory strategies. Considers the implications of protected areas for local human populations and

cultural diversity. Evaluates outcomes and unintended consequences of protected areas, and controversies over the “best” way to protect natural resources.

#### **ANTH-E 445 Seminar in Medical Anthropology**

**(3 cr.) CASE S&H** This advanced seminar in medical anthropology focuses on theoretical approaches to understanding the body and notions of health, illness, and disease across cultures. Concentrates on interpretive and critical (political economy) approaches to issues of health and includes critical study of Western biomedicine.

#### **ANTH-E 455 Anthropology of Religion (3 cr.) CASE**

**S&H** Critical evaluation of current approaches to the analysis of religious myth, ritual, and symbolism. Problems in understanding religious beliefs of other cultures. Modern development of the anthropology of religion.

**ANTH-E 456 Anthropology of Race (3 cr.)** Explores race from a cultural anthropological perspective and investigates the history of this idea within the discipline as well as its dissemination in international society. Examines the play between challenges to race as an intellectual paradigm and the resilient status of race-thinking in society at large.

#### **ANTH-E 460 The Arts in Anthropology (3 cr.) CASE**

**A&H** Visual art, music, dance, drama, and oral literature, viewed as structural entities, as aspects of human behavior, and in terms of their anthropological context. May be repeated with different topics for a maximum of 9 credit hours.

#### **ANTH-E 463 Anthropology of Dance (3 cr.) CASE A&H**

Techniques of dance research, bibliographic and archival sources, historical and comparative studies, function and structure of dance, distribution of dance styles, and symbolic aspects of dance performance. A variety of dance forms will be considered in their social and cultural contexts.

#### **ANTH-E 464 Body, Power, and Performance (3 cr.) CASE A&H**

Looks at performance in relation to social power by focusing on the body. Examines the extent to which several interdisciplinary readings on performance theory—largely emerging as they have from Western intellectual traditions—speak to embodied/performative negotiations of social power outside “the West.”

#### **ANTH-E 474 The Anthropology of Human Rights (3 cr.)**

Investigates anthropology's theoretical and practical engagements with global social justice. Examines a number of texts central to the development of the notion of human rights, and explores several case studies oriented around a range of historical and contemporary human rights issues.

#### **ANTH-E 475 Law and Culture (3 cr.) CASE GCC**

This seminar is an introduction to classic anthropological writing on cultural concepts of law, conflict, and social ordering, concentrating on ethnographic approaches since the 1960s. Focus is cross-cultural, following the emphasis of the works themselves on Africa, native North America, and the contemporary United States. Discussions emphasize the historical context of individual works and critical rereadings from the vantage points offered by contemporary anthropological theory.

#### **ANTH-E 480 Theory of Culture Change (3 cr.)** P: E105, E200, or E303, and junior standing. Survey and evaluation

of anthropological approaches to theoretical problems of culture change in general. Discussion of processes, patterns, causes, and rates of culture change. Case studies.

#### **ANTH-E 485 Art and Craft of Ethnography (3 cr.)**

**CASE S&H** Ethnography is the defining core of social and cultural anthropology; field research is at the heart of ethnography. The definition and purpose of ethnography, the role of ethnographer, voice, ethics, and modes of presentation, standards, craft, art, and evaluation are examined through specific cases and exemplary ethnographies.

#### **ANTH-E 490 Development and Anthropology (3 cr.)**

P: E420, ECON E103, or consent of instructor. The theory of development; the way anthropology has been employed in development schemes in Melanesia, Southeast Asia, India, Africa, and elsewhere; the practical problem of relating to development bodies such as the Agency for International Development (USAID) and Third World governments; the ethical problem of such relationships.

#### **Anthropological Linguistics**

##### **ANTH-L 200 Language and Culture (3 cr.) CASE S&H**

An introduction to the study of language and its relations to the rest of culture. II Sem.

##### **ANTH-L 310 Elementary Lakota (Sioux) Language I**

**(4 cr.)** Introduction to Lakota (Sioux), an American Indian language spoken on the Northern Plains of the United States. Course focuses on developing elementary reading and writing skills as well as oral fluency in the Lakota language within the context of Lakota culture.

##### **ANTH-L 311 Elementary Lakota (Sioux) Language II**

**(4 cr.)** Introduction to Lakota (Sioux), an American Indian language spoken on the Northern Plains of the United States. Course focuses on developing elementary reading and writing skills as well as oral fluency in the Lakota language within the context of Lakota culture.

##### **ANTH-L 312 Intermediate Lakota (Sioux) Language**

**I (4 cr.)** Study of more complex Lakota grammatical structures, with emphasis on development of active reading, writing, and speaking skills.

##### **ANTH-L 313 Intermediate Lakota (Sioux) Language**

**II (4 cr.)** Study of more complex Lakota grammatical structures, with emphasis on development of active reading, writing, and speaking skills.

##### **ANTH-L 320 American Indian Languages (3 cr.) CASE**

**S&H** An introductory survey of the native languages of the Americas. Topics to be covered include history of the study of American Indian languages, genetic and typological classifications, structures of selected languages, the comparative (historical) study of selected language families, and the interplay between language and culture. The diversity of New World languages will be emphasized.

##### **ANTH-L 400 Topical Seminar in the Ethnography**

**of Communication (3 cr.)** Current issues in linguistic anthropology, designed to acquaint the student with readings and points of view not covered in the introductory courses. Topics such as languages of the world, variation in language, problems in linguistic structure, and culture

and communication. Topic varies. May be taken for a total of 9 credit hours as long as the topic changes.

#### **ANTH-L 407 Language and Prehistory (3 cr.) CASE**

**S&H** Introduction to the areas of linguistic research that are most relevant to the work of archaeologists and students of prehistory. Topics include mechanisms of linguistic change, the comparative method, genetic and areal relationships among languages, and applications of linguistic reconstruction to the study of ancient cultures and populations.

#### **Archaeology**

##### **ANTH-P 200 Introduction to Archaeology (3 cr.) CASE**

**S&H** Introduction to the goals, methods, and theories that archaeologists use to learn about the past. The pursuit and interpretation of archaeological evidence are explored by reviewing case studies from across the globe and diverse time periods. Topics include food and subsistence, culture change, social life, political economies, and archaeological ethics. I Sem., II Sem.

##### **ANTH-P 210 Life in the Stone Age (3 cr.) CASE S&H**

Examination of the major developments in the Stone Age, emphasizing technological innovations, changes in subsistence patterns, and geographic and ecological expansions of human populations. The course will consist of two weekly lectures and a laboratory practicum where students will learn to make and use stone tools.

##### **ANTH-P 215 The Archaeology of Sex (3 cr.) CASE S&H**

Sex is an important part of human experience. This course investigates different aspects of sex and sexuality through time and space examining archaeological evidence for sexual practices and beliefs in the past. Through this review, we interrogate how the material world reflects ideologies and the relation between biology and culture.

##### **ANTH-P 230 Archaeology of the Ancient Maya (3 cr.)**

**CASE S&H, CASE GCC** This is a course about the ancient Maya. Lecture and discussion will cover what is known about the Maya past and how the past relates to the present day. Writing, architecture, mythology, mathematics, agriculture, political structure, and economy will be considered.

##### **ANTH-P 240 Archaeology and the Movies (3 cr.) CASE**

**S&H** Examines how archaeologists and archaeological knowledge are represented in popular cinema and compares these views with the work that archaeologists actually do. Topics include the history of archaeology, archaeological ethics, and archaeological interpretation. Feature films studied cover archaeological practice, the archaeology of early humans, Rome, and ancient Egypt, and related topics.

##### **ANTH-P 250 Introductory World Archaeology (3 cr.)**

**CASE S&H** Introduction to archaeological discovery in the Americas, Asia, Europe, Africa, and the Near East. Reviews the last 10,000 years of human culture and history, looking for what varies and what does not. For non-majors and students who have an interest in archaeology and a desire to learn about ancient cultures.

##### **ANTH-P 301 Archaeological Methods and Analyses**

**(3 cr.) CASE N&M** P: P200 or consent of instructor. Specific field or laboratory methods for collecting and analyzing archaeological materials and data within a framework of answering research questions about the

past. Topics vary: dating, materials science, subsistence indicators, archaeological survey. May be repeated with a different topic for a maximum of 6 credit hours.

##### **ANTH-P 302 Invention and Technology (3 cr.)**

The evolution of technology is explored from prehistoric times onward. The origins of the major inventions of humankind are traced from their earliest beginnings in the Stone Age up to the Industrial Revolution. Credit not given for both E410 and P302.

##### **ANTH-P 310 Prehistory of Europe and Asia (3 cr.)**

**CASE S&H** Prehistoric cultures of Europe and Asia, from Old Stone Age through Iron Age.

##### **ANTH-P 314 Earlier Prehistory of Africa (3 cr.) CASE**

**S&H** A survey of prehistoric developments on the African continent from 2.5 million years ago to the end of the Stone Age, including topics such as the archaeology of human origins, the emergence of fully human ways of life, and the economic and cultural patterns of prehistoric hunter-gatherers.

##### **ANTH-P 315 Later Prehistory of Africa (3 cr.) CASE**

**S&H** A survey of prehistoric developments on the African continent from about 20,000 years ago to the appearance of written history.

##### **ANTH-P 330 Historical Archaeology (3 cr.) CASE S&H, CASE DUS**

America throughout time. Special attention will be given to understanding the long and complex history of Native American/European interactions, North American social systems, interaction with and exploitation of the environment, technologies, and material culture. The theory and methods used by historical archaeologists will also be emphasized.

##### **ANTH-P 332 Industrial Archaeology (3 cr.) CASE S&H, CASE DUS**

P: ANTH-P 200 or upper-level archaeology, history, or folklore course. Explores the material character and social context of industrial heritage in North America including resource extraction, manufacturing, and transportation. Studies the record that industry leaves on the landscape including quarries, factories, office buildings, mills, railroads, and worker housing. Analysis of documents, images, material remains, archaeological sites, and ethnographic sources.

##### **ANTH-P 341 Archaeology of the Middle East (3 cr.)**

**CASE S&H, CASE GCC** A study of the prehistoric cultures of the Middle East. Examines evidence for daily life, the rise of complex society, early writing, and agriculture, and explores the impact archaeology in this region has on the contemporary world.

##### **ANTH-P 345 Indigenous Archaeology (3 cr.) CASE**

**S&H** A global approach to how indigenous people employ archaeology to protect sacred sites and places and to build and manage knowledge about their pasts. Explores indigenous worldviews and how archaeologists and indigenous communities work together in archaeology.

##### **ANTH-P 350 Archaeology of Ancient Mexico (3 cr.)**

**CASE S&H, CASE GCC** Surveys the archaeology of ancient Mexico. Traces cultural developments of indigenous peoples from the Olmec to the Aztec, and examines issues, controversies, and current debates in Mexican archaeology. Topics include the transition to settled villages, initial complexity, craft production,

urbanization, ideology, gender, religion, warfare, and the conquest.

**ANTH-P 360 North American Archaeology (3 cr.)**

**CASE S&H** An exploration of the archaeology of North America by addressing current issues and debates, including the peopling of the New World, hunter-gatherer research, origins of agriculture, socio-political complexity and inequality, trade and exchange, post-colonial culture contact, and archaeological ethics. Archaeological evidence from several regions and culture areas is emphasized.

**ANTH-P 361 Prehistory of the Midwestern United States (3 cr.) CASE S&H** A survey of prehistoric cultural developments in the midwestern United States from the earliest human occupations until initial European contact, set primarily within a framework of changing ecological adaptations.

**ANTH-P 362 Prehistory of the Southeastern United States (3 cr.) CASE S&H** A survey of substantive and conceptual contributions of archaeology to the prehistory and protohistory of the Southeast. Course covers periods from the earliest first Americans to Euro-American colonization: circa 10,000 B.C. to A.D. 1600.

**ANTH-P 363 North American Prehistory through Fiction (3 cr.) CASE S&H** Students consider fictionalized accounts of life in prehistoric North America, written by anthropologists, Native Americans, and novelists, as a means to think critically and creatively about the past. They explore the role and place of narrative and imagination in constructions of the past and consider how authors utilize available data.

**ANTH-P 370 Ancient Civilizations of the Andes (3 cr.) CASE GCC** Prehistoric cultural development in Andean South America: early hunters and gatherers, the beginning of agriculture, the growth of regional civilizations, and the rise and fall of the Inca Empire.

**ANTH-P 375 Food in the Ancient World (3 cr.) CASE S&H** Examines the theoretical and methodological tools that archaeologists use to study food and foodways in ancient societies from a global anthropological perspective. Reveals how studying food and ancient foodways helps anthropologists gain insight into the economic, historic, and political realities of past peoples.

**ANTH-P 380 Prehistoric Diet and Nutrition (3 cr.) CASE N&M** How the long-term history of human diet has influenced our genetic, physiological, cultural, and socioeconomic development. Evolutionary and ecological perspectives on modern human diet and nutrition, including survey of modern human and nonhuman primate diets and the record of prehistoric human diet and methods of dietary reconstruction.

**ANTH-P 385 Paleolithic Technology Laboratory (3 cr.) CASE N&M** P: P200, P250, or consent of instructor. Surveys the development and history of stone tool manufacture and use. Topics include raw material study, fracture mechanics, experimentation in lithic production, and reasons for innovation. Includes practice in identification, analysis, classification, measurement, and illustration of Paleolithic artifacts.

**ANTH-P 390 Geoarchaeology and Taphonomy (3 cr.) CASE N&M** An exploration of the dynamic process of

archaeological site formation. Focus on geoarchaeological and taphonomic studies of archaeological materials, site context, and environment, and how these approaches help us understand prehistoric lifeways.

**ANTH-P 399 Undergraduate Seminar (3 cr.)** P: P200 or consent of instructor. Intensive examination of selected topics in archaeology. Development of skills in analysis and criticism. Topic varies. May be taken with a different topic for a maximum of 9 credit hours.

**ANTH-P 401 Cultural Resource Management (3 cr.)**

P: Junior standing. The anthropologist in the decision-making process for preservation and conservation of prehistoric and historic sites, structures, artifacts, etc. Legal procedures and anthropological values applicable to land use changes that threaten cultural resources.

**ANTH-P 405 Fieldwork in Archaeology (1-8 cr.)**

Archaeological work directed toward field techniques: excavation and preservation of materials, surveying, photography, and cataloging. 1 credit hour per full week of fieldwork. SS.

**ANTH-P 406 Laboratory Methods in Archaeology (1-6 cr.)**

P: P405 or consent of instructor. Specialized training in laboratory procedures and analysis of archaeological materials. Major categories of material culture to be studied include lithics, ceramics, and faunal and floral remains. Emphasis is on processing, sorting, identifying, and analyzing material recovered from the previous Fieldwork in Archaeology (P405).

**ANTH-P 407 Archaeological Curation (3 cr.)**

P: Junior or senior standing and ANTH-P 200. An examination of the history, methods, legislation, ethics, tools, and technology of archaeological curation. Instruction will include hands-on training in the curation and conservation of material culture and their associated documents (e.g., photographs, digital records). Special attention will focus on the Native American Graves Protection and Repatriation Act of 1990.

**ANTH-P 409 Archaeological Ethics (3 cr.)** This seminar explores the professional responsibilities of archaeologists by examining timely issues, such as the differences and, sometimes, conflicts between international law and professional ethics, and between archaeologists and others (e.g., Native Americans, antiquities collectors) who affect and are affected by archaeological work. Some background in archaeology is helpful.

**ANTH-P 425 Faunal Osteology (5 cr.) CASE N&M**

Lecture and laboratory introduction to the preparation, collection, identification, and interpretation of faunal specimens from archaeological sites. Also includes an introduction to forensic identifications and to zooarchaeological literature.

**ANTH-P 426 Problems in Zooarchaeology (3 cr.)**

Students learn how to choose appropriate research designs for the interpretation of animal remains from archaeological sites, through readings, discussions, and laboratory analyses. Course work will focus on literature review, field identification, lab methodology, quantification, preparing collections, curation, and report preparation.

**ANTH-P 430 Archaeology of Violence and Conflict (3 cr.) CASE S&H**

In this course we will examine how we identify violence and warfare in the past. Second, we

will explore how violence has affected societies around the world and through time. We review multidisciplinary literature on violence and ask how and why violent acts and institutions of violence develop and persist.

**ANTH-P 440 Archaeology of Space and Place (3 cr.) CASE S&H** Broad review of interdisciplinary literature to evaluate how human experience has been informed and affected by spatial sensibilities. Takes a diachronic and global look at how space impacts politics, society, religion, memory, and identity, with an emphasis on developing critical thinking skills.

**ANTH-P 445 Pots and People (3 cr.) CASE S&H** Uses pottery as a means of understanding past societies: how people make, use, and think about pottery. Participants make their own pots from wild clays; cook a meal in traditional ceramic pots; and consider how experimentation, ethnohistorical data, and anthropological theory work together to produce insights into past lifeways.

## Apparel Merchandising and Interior Design

### Introduction

The Department of Apparel Merchandising and Interior Design (AMID) consists of programs that examine consumer-oriented and aesthetic components of the near environment. AMID offers three degree objectives: Apparel Merchandising B.S., Interior Design B.S., and Fashion Design B.A. These programs integrate knowledge from the arts and the physical, social, and business sciences with behavioral and technical studies in textiles, apparel, furniture, and interior design. In the apparel merchandising program, students are exposed to every aspect of the retail cycle, allowing them to develop their creative and analytical skills into a progressive retail perspective. The interior design program is a CIDA (Council for Interior Design Accreditation) accredited program that addresses the multidisciplinary design process used in the creation of interior space. The fashion design program explores the art, process, and product of fashion design within a cultural context.

The IU Center for Art + Design (IUCA+D) is a new addition to the Department of Apparel Merchandising and Interior Design. A unique collaborative initiative of Indiana University and the Columbus, Indiana community, IUCA+D was created to develop and promote the comprehensive integration of art and design. Our mission is to relocate art and design from the periphery of human experience to its center. In this educational model, we teach people to work at the intersection of multiple forms of design practice and to bring design and design thinking to institutions and businesses within the city.

The Department of Apparel Merchandising and Interior Design is home to The Elizabeth Sage Historic Costume Collection, which consists of more than 24,000 objects of women's, men's, and children's clothing, dating from the late eighteenth century to the present day. The Sage Collection is used in the study of the history and preservation of costume and textiles.

### Contact Information

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### Faculty

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- Kathleen Rowold

#### Associate Chairperson

- Heather Akou

#### Professor

- Sharron Lennon
- Kathleen Rowold

#### Associate Professor

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- C. Thomas Mitchell
- T. Kelly Wilson

#### Assistant Professors

- Kevin Lair
- Kennon Smith

#### Senior Lecturers

- Rick Bomberger
- Deborah Christiansen
- Mary Embry
- Marleen Newman
- Eloise Paul
- Janis Shaffer
- Barb Young

#### Lecturers

- Meriem Chida
- Ashley Hasty
- Jane Matranga
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## Apparel Merchandising—B.S.

### Purpose

The Apparel Merchandising program offers students a comprehensive examination of merchandising as it relates to the retailing industry of tomorrow. Course work includes product basics as well as current industry trends, coupled with a minor such as the Kelley School of Business Minor for Apparel Merchandising Majors, Minor in Fashion Design, or other minor approved by the Apparel Merchandising advisor. Students are encouraged to select a series of related AMID courses in order to construct a merchandising concentration.

Students in apparel merchandising can prepare for a variety of careers in retail buying, retail management, product development, consumer services, visual merchandising, fashion promotion, retail account coordination, wholesale sales, brand management, merchandising management, sourcing, product manufacturing, and merchandise analysis.

### Requirements

Any course taken to satisfy the requirements of the major must be completed with a minimum grade of C–, and the grade point average of all courses taken in the degree must be at least 2.000. Course prerequisites will be strictly upheld.

Students must complete the degree requirements of the College of Arts and Sciences including the following Foundations, CASE Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements:

1. Writing, same as B.A. (English Composition, CASE Intensive Writing).
2. Mathematics, one course from the following: M118, M119, or equivalent. Higher level courses may be substituted.
3. Foreign language, two years of one language, or one year of foreign language and two culture studies courses—one course from CASE DUS and another from CASE GCC.
4. Arts and humanities, four courses.
5. Social and historical studies, four courses, including Economics-E 201, E 202, and Sociology-S 100.
6. Natural and mathematical sciences, three courses, including Psychological and Brain Sciences-P 101.
7. One Critical Approaches course.
8. One Public Oral Communication course.

Students must complete the following course work from the Department of Apparel Merchandising and Interior Design:

- 28 credit hours, including AMID-R 100, F202, F203, R204 or F207, R315, R404, and R413; plus 9 credit hours of 300- to 400-level electives from AMID-R 308, R309, R316, R319, R321, R327, R328, R409, R410, R412, R416, R450, R490, C380, C480, and Y398.

Students must also complete selected courses outside the Department of Apparel Merchandising and Interior Design, including:

1. Arts and Sciences Career Services (ASCS) Q299, Economics E201 and E202, Psychological and Brain Sciences P101, and Sociology S100.
2. Kelley School of Business courses: BUS-K 201, A200, and M300.

Students pursuing the Apparel Merchandising B.S. must also complete one of the following: the Business Minor for Apparel Merchandising Majors, the Minor in Fashion Design, or another related minor approved by the Apparel Merchandising advisor.

Only two courses for a maximum of 6 credit hours can be counted toward both the Apparel Merchandising B.S. and the Fashion Design B.A.; only two courses for a maximum of 6 credit hours can be counted toward both the Apparel Merchandising B.S. and the Minor in Fashion Design.

**Note:** Apparel Merchandising B.S. students may exceed the normal maximum of 20 credit hours outside the College of Arts and Sciences, up to a limit of 28 credit hours, provided those credit hours are chosen from the following courses: Business A200, K201, L201, M300, M311, M312, Z302, or other business courses approved by the Apparel Merchandising advisor.

Supervised internships are available.

## Business Minor for Apparel Merchandising Majors

Students earning a bachelor's degree with a major in apparel merchandising may obtain a Minor in Business by successfully completing the following Kelley School of Business courses:

1. BUS K201
2. BUS A200 and M300
3. BUS L201 or Z302
4. BUS M311 and M312
5. ASCS Q299

Apparel merchandising majors may exceed the normal maximum of 20 credit hours outside the College of Arts and Sciences, up to a limit of 28 credit hours, provided those credit hours are chosen from the following courses: Business A200, K201, L201, M300, M311, M312, Z302, or other business courses approved by the Apparel Merchandising advisor.

## Minor in Apparel Merchandising Requirements

Students must complete 15 credit hours in course work within the Department of Apparel Merchandising and Interior Design, including

1. AMID-R 100, F203 or R204, and R315;
2. Two 300–400 level courses from AMID-R 308, R309, R316, R327, R404, R409, R410, R412, R413, R416, R450, C380, and C480.

**Note:** Only two courses for a maximum of 6 credit hours may be counted toward both the Apparel Merchandising minor and the Fashion Design B.A.

## Interior Design—B.S.

### Purpose

This curriculum emphasizes the relationships between the aesthetic, behavioral, and technological concerns

in the creation of responsive interior environments. Career opportunities are available in commercial and residential interior design firms, architectural firms, facilities management, retail furniture establishments, government and community agencies, and private design studios. Majors in this program can also prepare for advanced degrees in related areas of design, such as architecture, facilities management, or environmental design.

### **Requirements**

Students must complete the following Foundations, CASE Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements:

1. Writing, same as B.A. (English Composition, CASE Intensive Writing).
2. Mathematics, one course from the following: M118, M119, or equivalent. Higher level courses may be substituted.
3. Foreign language, two years, or one year of foreign language and two culture studies courses—one course from CASE DUS and another from CASE GCC.
4. Arts and humanities, four courses, including FINA-F 100 and FINA-F 102.
5. Social and historical studies, four courses, including FINA-A 102.
6. Natural and mathematical sciences, three courses. Must include at least one Natural Science course in fulfillment of the General Education curriculum.
7. One Critical Approaches course.
8. One Public Oral Communication course.

Any course taken to satisfy the requirements of the major must be completed with a minimum grade of C–, and the grade point average of all courses taken in the degree must be at least 2.000. Course prerequisites will be strictly upheld. Interior Design students must complete the following requirements for the major:

- a total of 51 AMID credit hours, including D168, D263, D264, D268, D271, D272, D277, D335, D336, D365, D373, D374, D469, D475, and D476; plus 9 credit hours of electives from AMID-C280, C380, C480, D290, D394, D480, D490.

Supervised internships are available.

### **Transferred Credit**

All interior design courses transferred from another institution or campus must be reviewed and accepted by an appropriate faculty member in the Department of Apparel Merchandising and Interior Design before they may be applied toward a major in interior design.

For a review of transferred lecture credit, the student must provide the course title, course description, textbook title, and syllabus.

For a review of transferred studio credit, the student must provide the course title, course description, textbook title, syllabus, problem statements, and a portfolio of representative work for each course for which transfer credit is desired. The portfolio should include both preliminary and finished work and be as complete as

possible. Slides or photographs of three-dimensional objects are acceptable.

## **Fashion Design—B.A.**

### **Purpose**

The Fashion Design major is intended to educate students in the art, process, and product of fashion design in the twenty-first century. The curriculum provides an aesthetic and intellectual approach to the design process, focusing on the interaction of technique, function, technology, and individual creative expression. Course work concentrates on traditional and experimental techniques as well as the history and theory of fashion as a significant aesthetic language.

### **Major Requirements**

Any course taken to satisfy the requirements of the major must be completed with a minimum grade of C–, and the grade point average of all courses taken in the major must be at least 2.000. Course prerequisites will be strictly upheld.

Students must complete 37 credit hours of AMID requirements for the Fashion Design major, including:

1. R100, F202, F203, F207, F213, F217, F303, F305, F340, and F417.
2. Three additional courses at the 300–400 level, including at least one course in both experimental fashion studio and dress studies, plus one course from either experimental fashion studio, dress studies, or IUCAD courses, for a total of 9 credit hours or more. (**Note:** Experimental fashion studio courses include F306, F325, F326, F328, and F408; dress studies courses include F301, F311, F352, F402, F406, and F411; and IUCAD courses include C380 and C480.)

### **Additional Requirements**

Students pursuing the Fashion Design major are required to take 15 hours of course work in related fields. These courses are outside the Department of Apparel Merchandising and Interior Design and are not calculated inside the major, but completion of specifically designated courses will count for Breadth of Inquiry and other College and campuswide degree requirements. Please consult with the department advisor regarding choice of courses.

1. One course from the following: MATH M118, M119, or equivalent. Higher level courses may be substituted.
2. Six credit hours in Fine Arts studio courses chosen only from FINA-F or FINA-S prefix courses.
3. Six credit hours in Fine Arts history courses.

Only two courses for a maximum of 6 credit hours can be counted toward both the Minor in Apparel Merchandising and the Fashion Design B.A.; only two courses for a maximum of 6 credit hours can be counted toward both the Apparel Merchandising B.S. and the Fashion Design B.A.

Supervised internships are available.

We strongly recommend that students select courses in material culture, aesthetics, and dress offered by related departments such as Anthropology, Communication and Culture, Fine Arts, Folklore and Ethnomusicology, Theatre, Drama and Contemporary Dance, and others to

fulfill College of Arts and Sciences Breadth of Inquiry and Intensive Writing requirements.

Students must also meet the degree requirements for the B.A. degree in the College of Arts and Sciences.

## Minor in Fashion Design

### Requirements

Students must complete 18 credit hours in course work in the Department of Apparel Merchandising and Interior Design, including

1. AMID-F 203, F207 or R204, F213, and F340;
2. Two design courses from AMID-F 301, F311, F328, F352, F402, F406, F411, C380, and C480.

**Note:** Only two courses for a maximum of 6 credit hours may be simultaneously counted toward both the Fashion Design minor and the Apparel Merchandising B.S.

## Course Descriptions

### IU Center for Art + Design

**AMID-C 280 Introduction to Comprehensive Design (3 cr.)** CASE A&H Introduction to design across subject-specific boundaries through examination of its models, methods, and sensibilities. Focus on ability to explore, synthesize, and integrate ideas through comprehensive design. Features IU Center for Art + Design, Columbus, Indiana as a living laboratory to demonstrate mutually reinforcing design approaches and solutions.

**AMID-C 380 Topical Issues in Comprehensive Design (1-3 cr.)** P: Consent of department. Analysis of current design trends across subject-specific boundaries. Features IU Center for Art + Design, Columbus, Indiana as a living laboratory to demonstrate mutually reinforcing design approaches and solutions. Topics will vary. May be repeated with different topics for a maximum of 6 credit hours.

**AMID-C 381 Topical Issues in Collaborative Design (1-3 cr.)** P: Consent of department. Analysis of collaborative design trends across subject-specific boundaries. Features integration of applied design disciplines such as fashion design, interior design, and merchandising to demonstrate mutually reinforcing design approaches and solutions. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**AMID-C 480 Special Problems in Comprehensive Design (1-3 cr.)** P: Consent of department. Analysis of selected design topics across subject-specific boundaries. Features IU Center for Art + Design, Columbus, Indiana as a living laboratory to demonstrate mutually reinforcing design approaches and solutions. Topics will vary. May be repeated with different topics for a maximum of 6 credit hours.

**AMID-C 481 Intensive Seminar in Comprehensive Design (1 cr.)** Intensive seminar in analysis of selected design topics across subject-specific boundaries. Features IU Center for Art + Design, Columbus, Indiana as a living laboratory to demonstrate mutually reinforcing design approaches and solutions. Topics will vary. May be repeated with different topics for a maximum of 6 credit hours.

### Fashion Design

**AMID-F 202 Introductory Textile Science: Laboratory (1 cr.)** P: Grade of C– or higher in R100 or H100. Analysis and application of concepts learned in lecture: fibers, fabrications, finishes, and properties. Special attention paid to aesthetics of textiles and materials for fashion design. Laboratory course.

**AMID-F 203 Introductory Textile Science (3 cr.)** P: Grade of C– or higher in R100 or H100. Textile fibers, yarns, fabrication, and finishes, textile processing and properties; selection and care of textiles for human use. Lecture plus laboratory. Course fee required. Credit given for only one of F203 or H203.

**AMID-F 207 Fashion Studio I (3 cr.)** P or C: F203 or H203. Introduction to pattern development, fitting, fabric manipulation, and construction of original fashion designs. Studio class. Course fee required. Credit given for only one of F207 or H207.

**AMID-F 213 Fashion Design I: Research and Illustration (3 cr.)** P: Fashion design majors and minors only. Exploration of design inspiration and precedent research methods. Use of various media to communicate fashion design through technical drawing and illustration. Studio class. Course fee required. Credit given for only one of F213 or H317.

**AMID-F 217 Fashion Design II: Ideation (3 cr.)** P: Grade of C– or higher in F203 or H203, F207 or H207, and F213 or H317. Fundamental principles and processes of fashion design ideation, including interpreting design concepts and themes, designing and sketching ensembles, and coordinating fabrication, color, and texture. Studio class. Course fee required. Credit given for only one of F217 or H217.

**AMID-F 290 Special Topics in Fashion Design (1-3 cr.)** P: Consent of department. Selected topics in an area of fashion design. Topics will vary. May be repeated for a maximum of 6 credit hours.

**AMID-F 301 Dress Studies: Topics in Cultural Analysis (3 cr.)** CASE GCC R: One course in cultural anthropology, sociology, or psychology. Dress as a reflection of the physical, social, psychological, and aesthetic environment of various cultures; responses to and uses of dress as an aspect of culture and individual behavior. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours in F301 and H401.

**AMID-F 303 Fashion Studio II (3 cr.)** P: Grade of C– or higher in F203 or H203; F207 or H207; and F213 or H317. Intermediate pattern development, fitting, fabric manipulation, and construction of original fashion designs. Studio class. Course fee required. May be repeated for a maximum of 6 credit hours in F303 and H303.

**AMID-F 305 Fashion Studio III (3 cr.)** P: Grade of C– or higher in MATH M118 or M119 or equivalent and F217 or H217 and F303 or H303. Advanced pattern development, fitting, fabric manipulation, and construction of original fashion designs. Studio class. Course fee required. May be repeated for a maximum of 6 credit hours in F305 or H305.

**AMID-F 306 Experimental Fashion Studio: Tailoring (3 cr.)** P: Grade of C– or higher in F217 or H217 and F303 or H303. Techniques in contemporary and traditional

tailoring. Studio class. Course fee required. Credit given for only one of F306 or H306.

**AMID-F 311 History of Dress (3 cr.) CASE S&H** P: F203 or H203. R: One course in European history. Dress in Western civilization relating to social, economic, political, and religious events from early civilization through seventeenth century. II Sem. Odd years only. Credit given for only one of F311 or H311.

**AMID-F 325 Experimental Fashion Studio: Shape and Foundation (3 cr.)** P: Grade of C– or higher in F217 or H217 and F303 or H303. Fundamental principles of design for inner-shaping and foundation; manipulation of a variety of materials and techniques to produce original designs featuring complex super-structures. Studio class. Course fee required. Credit given for only one of F325 or H325.

**AMID-F 326 Experimental Fashion Studio: Accessories (3 cr.)** Fundamental principles and techniques for design of accessories including gloves, hats, handbags, jewelry, and masks; manipulation of a variety of materials to produce original accessory design. Studio class. Course fee required. Credit given for only one of F326 or H326.

**AMID-F 328 Experimental Fashion Studio: Digital Applications (3 cr.)** P: F213. CAD applications used to create digital fashion fabrics, fashion lines, and fashion portfolios for the apparel and textile industries. Studio class. Course fee required. Credit given for only one of F328 or H328.

**AMID-F 340 History of Fashion (3 cr.) CASE S&H** P: F203 or H203. R: One course in European history. Even years only. Dress in Western civilization relating to social, economic, political, and religious events in the eighteenth through twenty-first centuries; emphasis on the emergence and evolution of haute couture. Credit given for only one of F340 or H340.

**AMID-F 352 Dress Studies: Aesthetics Analysis (3 cr.)** P: Junior standing. Aesthetics of dress as a medium of visual communication. Considerations include aesthetic norms, color psychology, elements and principles of design, appearance management strategies, and design process. Credit given for only one of F352 or H352.

**AMID-F 402 Collection Management for Historic Textiles and Costumes (3 cr.)** P: F203 or H203. Curatorial methods and procedures in museum collection management specifically related to historic textiles and costumes. Topics may vary to include accessioning, cataloging, artifact research and identification, exhibition, conservation, computer utilization. May be repeated for a maximum of 6 credit hours in F402 and H402.

**AMID-F 403 Practicum in Collection Management for Historic Textiles and Costume (1-3 cr.)** Individual work in selected area of collection management for historic textiles and costume. Maximum of 6 credit hours given for any combination of the following courses: Y398, R321 or H321, F403 or H403. May be repeated for a maximum of 6 credit hours in F403 and H403.

**AMID-F 406 Dress Studies: Theory and Analysis (3 cr.) CASE S&H** P: Junior standing. Survey of methodologies and research techniques for analysis of fashion diffusion and change. Credit given for only one of F406 or H406.

**AMID-F 408 Experimental Fashion Studio: Draping (3 cr.)** P: Grade of C– or higher in F217 or H217 and F303 or H303. Fashion design through the use of fundamental principles and processes of draping; manipulation of a variety of materials to produce original draped designs. Studio class. Course fee required. Credit given for only one of F408 or H408.

**AMID-F 411 Dress Studies: Behavioral Analysis (3 cr.) CASE S&H** P: Junior standing. R: One course in sociology or psychology. Basic concepts and theories from social psychology are used to study how clothing affects the self and others. Credit given for only one of F411 or H411.

**AMID-F 415 Readings in Textiles and Apparel (1-3 cr.)** P: R203 or H203, 6 additional credit hours in textiles and apparel, and consent of department chair. Review, discussion, and evaluation of current trends and issues in apparel or textiles; analysis of research. May be repeated for a maximum of 6 credit hours in F415 and H415.

**AMID-F 417 Fashion Design III: Presentation and Analysis (1-3 cr.)** P: Grade of C– or higher in F305 or H305. Planning and presenting a fashion line, development of accompanying research, and preparation of portfolio. Studio class. Course fee required. Credit given for only one of F417 or H417.

**AMID-F 490 Advanced Special Topics in Fashion Design (1-3 cr.)** Advanced selected topics in an area of fashion design. Topics will vary. May be repeated for a maximum of 6 credit hours.

#### **Apparel Merchandising**

**AMID-R 100 Introduction to Retail Design and Merchandising (3 cr.)** Introduction to the retail cycle related to the interdisciplinary study of and research in apparel and textiles. Examines social and economic theories underlying the fashion business, retail merchandising principles, consumer behavior, and contemporary retail issues. Credit given for only one of R100 or H100.

**AMID-R 204 Apparel Manufacturing and Quality Analysis (3 cr.)** P: R100 or H100. Focuses on the manufacturing and product development stage of the retail cycle. This stage comprises apparel merchandising history, technology, textiles, performance, value, and quality analysis. Credit given for only one of R204 or H204.

**AMID-R 308 Brand Management and Advertising (3 cr.)** P: Junior standing. Strategic marketing communication centered on building and maintaining brand equity, encompassing all stages of the retail cycle. Credit given for only one of R308 or H308.

**AMID-R 309 Strategies in Retail Promotion (3 cr.)** P: Sophomore standing or higher, and one course from R100 or H100. Application of design elements and principles to commercial display and development of creative visual merchandising techniques; various media explored. Credit given for only one of R309 or H309.

**AMID-R 315 Principles of Retail Merchandising (3 cr.)** P: Sophomore standing or higher; grade of C– or higher in MATH M118 or M119 or equivalent; and one course from R100 or H100. An examination of the contemporary retail environment as it relates to principles, such as the profit and loss analysis, retail math, markups, markdowns,

and turnover. Comprehensive analysis and strategy development using retail merchandising principles are emphasized. Credit given for only one of R315 or H315.

**AMID-R 316 Retail Product Management (3 cr.)**

P: Sophomore standing or higher and R100 or H100. Design thinking will be used to study strategic product management in the current retail environment. Function and practices in product distribution, merchandising and retail selling to the end use consumer segments of the retail cycle will be examined as they relate to contemporary retail store management and operations. Credit given for only one of R316 or H316.

**AMID-R 319 Professional Techniques in the Retail Industry (2 cr.)** P: Sophomore standing or higher and R100 or H100. Professional techniques and competencies applicable to careers in the retail industry are explored while students participate in exercises to develop presentation skills and marketing themselves to, and in, a retail organization. Credit given for only one of R319 or H319.

**AMID-R 321 Practicum in the Retail Industry (1-3 cr.)** P: R315 or H315. Provides apparel merchandising majors a supervised and coordinated work experience in the apparel industry. Maximum of 6 credit hours given for any combination of the following courses: Y398, R321 or H321, F403 or H403. Credit given for only one of R321 or H321.

**AMID-R 327 Product Development (3 cr.)** P: R204 or H204; R315 or H315; junior standing or permission of instructor. Functions and practices of product development; understanding and defining the customer; researching fashion trends from color and fabric to silhouette; identifying how and when to apply trends to targeted customers; practical application of executing concepts into finished products. Credit given for only one of R327 or H327.

**AMID-R 328 Digital Product Development (1-3 cr.)** P: Junior standing. Digital applications used to develop product lines, including fabric and material development, print and pattern development, graphics, knits, and woven applications. Course fee required. Credit given for only one of R328 or H328.

**AMID-R 350 Omnichannel Apparel Merchandising: Connecting to Consumers (3 cr.)** Survey of social media theories and models as they relate to apparel merchandising. Exploration of social media strategies used by corporations to establish connections with customers and consultants. Includes techniques for creating and critiquing social media strategies and standards.

**AMID-R 404 International Textiles and Apparel Trade (3 cr.)** P: F203 or H203, ECON E202, and junior standing. International factors affecting the United States textile, apparel, and retail industries, including comparative analysis of the economic, political, and social implications of globalization. Credit given for only one of R404 or H404.

**AMID-R 409 Retail Industry Field Seminar (3 cr.)**

P: Consent of instructor and department chair. Study tour designed as an overview of the retail, apparel, and textile industry, taught through a series of seminars conducted by business professionals outside the Bloomington

community. May not be repeated for credit. Credit given for only one of R409 or H409.

**AMID-R 410 Apparel Entrepreneurship (3 cr.)** P: Junior standing. Explores the entrepreneurial concept through the use of the entire retail cycle related to the vision of developing a business plan and ultimately opening a retail business selling unit. Credit given for only one of R410 or H410.

**AMID-R 412 Global Sourcing (3 cr.)** CASE S&H P: R315 or H315, or junior standing. Issues and strategies of global sourcing in the apparel industry: natural resources, labor issues, factory profiles, quota and duty issues of key sourcing centers. Credit given for only one of R412 or H412.

**AMID-R 413 Planning and Analysis (3 cr.)** P: Grade of C– or higher in R315 or H315. Essentials of merchandise buying and planning: consumer trends, market resources and trade practices, seasonal plans, assortment planning and analytic tools for inventory evaluations. Credit given for only one of R413 or H413.

**AMID-R 416 Sustainability in Product: Fashion Design, Merchandising, and Retailing (3 cr.)** CASE A&H P: Senior standing. Examination of sustainability concepts as applied to decision making throughout the process of product design, development, retailing, use, and disposal.

**AMID-R 450 Profiling the Apparel Customer (3 cr.)**

P: Junior standing. In-depth study of customer-driven thinking supported by the understanding and study of retail research, design, branding, marketing and sales strategies.

**AMID-R 490 Special Problems in Retail (1-3 cr.)**

P: Consent of department. Course work under supervision on problems of special interest. May be repeated with a different topic for a maximum of 6 credit hours in R490 and H490.

**AMID-R 492 Topics in Apparel Merchandising (1-3 cr.)** Advanced selected topics in an area of apparel merchandising. Topics vary. May be repeated with different topics for a maximum of 6 credit hours.

**Interior Design**

**AMID-D 168 Interior Design Studio I (3 cr.)** Focus on critical and analytical ability, reasoned understanding and rational application of design elements and principles, development of vocabulary, attitudes, and skill basic to design and interior design. Course fee required. Credit given for only one of D168 or H168.

**AMID-D 191 Design Studies: Form and Function (3 cr.)** CASE A&H In this introductory course, students will learn about the decisions designers make to shape the objects they encounter every day and the effects of those decisions on those of us who interact with them. Features lectures and hands-on projects examining designs as diverse as toothbrushes, iPods, bicycles, and buildings. Credit given for only one of D191 or H191.

**AMID-D 192 Sustainable Design (3 cr.)** Provides a basic understanding of issues related to sustainability in product design and the built environment. In particular, it encourages critical thinking with regard to an understanding and application of the life cycle

analysis, as well as introducing organizations dedicated to sustainability and the rating systems they use.

**AMID-D 201 3D Modeling for Design and Digital Fabrication (3 cr.)** Principles of 3D modeling applied across subject-specific design boundaries. Studio methods for solving 3D geometric problems from technical drawings and models. Students create free-form curves, surfaces, and solids employed in interior design, fashion design, furniture design and digital fabrication using software such as Rhinoceros NURBS and digital fabrication equipment.

**AMID-D 202 Interior Visualization (3 cr.)** Drawing techniques focusing on creative/inventive sketching and rendering for interior design. Both freehand and digital techniques will be explored. Students will use the language of drawing to improve the process of conceptual design, design development, visualization, and communication.

**AMID-D 263 Design Methods (3 cr.)** P: Grade of C– or higher in D271 or H271, D264 or H264, and D268 or H268. Introduction to the basic techniques of design research and evaluation, emerging trends in design thinking, and state-of-the-art design methodologies. Credit given for only one of D263, H263, or H363.

**AMID-D 264 Digital Architectural Drawing (3 cr.)** P: Grade of C– or higher in D168 or H168. Basic two-dimensional AutoCAD skills for professional practice of interior design: document and database generation, computer-aided drafting and design. Course fee required. Credit given for only one of D264 or H264.

**AMID-D 268 Architectural Theories and Concepts (3 cr.)** P: Grade of C– or higher in D168 or H168. Study of the philosophical, theoretical, historical, and conceptual ideas that have guided architecture and design since the late nineteenth century. Credit given for only one of D268, H268, or H368.

**AMID-D 271 Interior Design Studio 2 (3-4 cr.)** P: Grade of C– or higher in D168 or H168. Fundamentals of drawing and rendering in two and three dimensions, presentation methods, and design practices. Course fee required. Credit given for only one of D271 or H271.

**AMID-D 272 Interior Design Studio 3 (3-4 cr.)** P: Grade of C– or higher in D264 or H264, D268 or H268, and D271 or H271. Introduction to fundamentals of space design for human activity; space standards, programming, and graphic communication. Course fee required. Credit given for only one of D272 or H272.

**AMID-D 277 Materials and Components of Interior Design (3 cr.)** P: Grade of C– or higher in D268 or H268, D264 or H264, D271 or H271. Provides basic understanding of the appropriate use of materials specified for the interior environment. Particular emphasis placed on the vital role interior designers play in providing for the health, safety, and welfare of those inhabiting interior spaces. Course fee required. Credit given for only one of D277 or H277.

**AMID-D 290 Special Topics in Interior Design (1-3 cr.)** Selected topics in an area of interior design. Topics will vary. May be repeated with different topics for a maximum of 9 credit hours.

**AMID-D 335 Lighting Interior Spaces I (1.5 cr.)** P: Grade of C– or higher in D272 or H272, D263 or H263, and D277 or H277. Introduction to the general principles, factors, and techniques of interior lighting, including planning, analysis, calculation methods, and aesthetics in the residential context. Field trips required. Credit given for only one of D335 or H335.

**AMID-D 336 Lighting Interior Spaces II (1.5 cr.)** P: Grade of C– or higher in D373 or H373, D335 or H335, and D365 or H365. Introduction to the general principles, factors, and techniques of interior lighting, including planning, analysis, calculation methods, and aesthetics in the commercial design context. Field trips required. Credit given for only one of D336 or H336.

**AMID-D 365 Architectural, Interior, and Furniture Design Studies (3 cr.) CASE S&H** P: Grade of C– or higher in D263 or H263, D272 or H272, and D277 or H277. A survey of the history of design at three scales: architecture, interiors, and furniture design. The underlying concepts behind historically prominent work, and the commonalities of design at different scales, will be reviewed. Throughout the course, students will cultivate their own visual memory to guide their design thinking and work. Credit given for only one of D365 or H265.

**AMID-D 373 Interior Design Studio 4 (3-5 cr.)** P: Grade of C– or higher in D263 or H263, D272 or H272, and D277 or H277, and MATH-M 118 or M119 or equivalent. Design of dwellings for individuals and groups in a variety of contexts. Integration of social, technical, spatial, and environmental factors. Course fee required. Credit given for only one of D373 or H373.

**AMID-D 374 Interior Design Studio 5 (3-5 cr.)** P: Grade of C– or higher in D335 or H335, D365 or H365, and D373 or H373. Design of work spaces for a variety of individuals and organizations. Integration of organizational, ergonomic, technical, spatial, and environmental factors. Course fee required. Credit given for only one of D374 or H374.

**AMID-D 394 Advanced Digital Architectural Drawing (3 cr.)** P: Grade of C– or higher in D264 or H264. Advanced CAD visualization for professional design practice: three-dimensional modeling and visualization, image processing, animation, and multimedia presentation. Course fee required. Credit given for only one of D394 or H394.

**AMID-D 469 Professional Practices in Interior Design (3 cr.)** P: Grade of C– or higher in D374 or H374. Survey of business procedures and practices and of professional values and standards for interior designers. Credit given for only one of D469 or H469.

**AMID-D 475 Interior Design Studio 6 (3-5 cr.)** P: Grade of C– or higher in D336 or H336, and D374 or H374. Interdisciplinary team approaches to solution of comprehensive design problems utilizing contemporary design methods and procedures. Course fee required. Credit given for only one of D475 or H475.

**AMID-D 476 Interior Design Studio 7 (3-5 cr.)** P: Grade of C– or higher in D469 or H469, and D475 or H475. Design of habitats and work spaces for special populations. Course fee required. Credit given for only one of D476 or H476.

**AMID-D 480 Readings in Interior Design (1-3 cr.)**

P: Grade of C– or higher in D168 or H168, 6 additional credit hours in interior design, and consent of department. Review, discussion, and evaluation of current trends and issues in interior design; analysis of research. May be repeated for a maximum of 6 credit hours in D480 and H480.

**AMID-D 490 Advanced Special Topics in Interior**

**Design (1-3 cr.)** P: Consent of department. Selected topics in an area of fashion design. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**General Apparel Merchandising and Interior Design**

**AMID-Y 398 Internship in Professional Practice (1-3 cr.)** P: Consent of department. For retailing, merchandising, and fashion design experience, R100 or H100; for interior design experience, D272 or H272. For all internships at least 26 credit hours must be completed, 2.500 overall minimum GPA, undergraduate AMID major required. Maximum total of 6 credit hours given among the following: Y398, R321, H403, and F403.

## Asian American Studies

**Introduction**

The program in Asian American Studies (AAST) introduces students to the history, culture, arts, and life experiences of people of Asian descent in the United States, and in other parts of the world. The term Asian American applies to groups from diverse cultural heritages within the United States, including Chinese, Japanese, Korean, Filipino, Asian Indian, Pakistani, Vietnamese, Hmong, Cambodian, Burmese, Native Hawaiian, and Pacific Islander. In attending to these populations, the undergraduate minor aims to foster awareness of Asian American experiences and contributions as part of the multicultural and multiracial history and ongoing development of the American experience, and to locate this experience in a larger global context. Its faculty members undertake a wide range of research and scholarship on issues such as Asian immigration, community development, labor market status, physical and mental health, gender and sexual politics, ethnic and diasporic identities, cultural representations, civil rights, and citizenship. Courses in Asian American Studies provide students the opportunity to deepen their understanding of these issues from an interdisciplinary perspective that includes history, sociology, literature, ethnography and media studies, political science, applied health science, and counseling psychology. Students in Asian American Studies not only learn the traditional skills in critical analysis and research, but also develop domestic and global perspectives as effective and responsible agents in a rapidly changing twenty-first century world.

**Contact Information**

Asian American Studies Program  
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## Faculty

**Director**

- Vivian Nun Halloran (American Studies, English)

**Professor**

- Michael Robinson (East Asian Languages and Cultures)
- Samrat Upadhyay (English)

**Associate Professors**

- Purnima Bose (English, International Studies)
- Ilana Gershon (Communication and Culture)
- Joan Pong Linton (English)
- Angela Pao (Comparative Literature)
- Ranu Samantrai (English)
- Joel Wong (Counseling and Educational Psychology)

**Assistant Professors**

- Cara Caddoo (American Studies)
- Karen Inouye (American Studies)
- Jennifer Lee (Sociology)
- Ellen Wu (History)

**Academic Advisor**

- Andrew Koke, Owen Hall 003, (812) 855-4993

## Minor in Asian American Studies

**Requirements**

At least 15 credit hours of College of Arts and Sciences course work, including the following:

1. Either A101 Introduction to Asian American Studies or SOC-S 101 Social Problems and Policies (Approved topic: Sociology of Asian America).
2. 12 credit hours from courses in Lists A and B (see below). At least 6 credit hours must be from List A. With the approval of the director of the Asian American Studies program, 3 credit hours of A495 Independent Reading and Research in Asian American Studies may be substituted for one AAST course at the 200 or 300 level.
3. At least 9 credit hours of course work must be at the 300–400 level.
4. Students who choose course work outside the College in partial fulfillment of the minor will need to take additional College of Arts and Sciences course work to meet the minimum total of 15 credit hours in the College.

**List A (Asian America)**

- AAST-A 200 Asian American Literature (3 cr.) **CASE A&H, CASE DUS**
- AAST-A 300 Topics in Asian American Studies (3 cr.) **CASE DUS**

- AAST-A 320 Advanced Topics in Asian American Literature (3 cr.) **CASE A&H, CASE DUS**
- AAST-A 499 Capstone Seminar in Asian American Studies (3 cr.)
- AMST-A 298 Special Topics in Arts and Humanities for American Studies (3 cr.) **CASE A&H** (Asian American topics)
- AMST-A 299 Special Topics in Social and Historical Studies for American Studies (3 cr.) **CASE S&H** (Asian American topics)
- EALC-E 385 Asian Americans: Cultural Conflict and Identity (3 cr.) **CASE S&H, CASE DUS**
- EDUC-G 204 Asian American Mental Health
- ENG-L 374 Ethnic American Literature (3 cr.) **CASE A&H, CASE DUS** (Asian American topics)
- HIST-A 205 Asian American History (3 cr.) **CASE S&H, CASE DUS**
- POLS-Y 200 Contemporary Political Problems (3 cr.) **CASE S&H** (Topic: Asian American Politics Since the 1960s)
- SOC-S 342 Asian American Communities and Identities (3 cr.) **CASE S&H, CASE DUS**

#### **List B (Asian Diaspora)**

- AAST-A 201 Asian Diaspora Experience (3 cr.) **CASE A&H, CASE GCC**
- AAST-A 499 Capstone Seminar in Asian American Studies (3 cr.)
- AMST-A 398 Advanced Topics in Arts and Humanities for American Studies (3 cr.) **CASE A&H** (Asian American topics)
- CMCL-C 314 Communication, Culture, and Social Formations (3 cr.) **CASE S&H** (Topic: Asian/Pacific Islander Families and Diasporas)
- CMLT-C 360 Diasporic Literatures (3 cr.) **CASE A&H, CASE GCC** (Asian American topics)

## **Course Descriptions**

**AAST-A 101 Introduction to Asian American Studies (3 cr.) CASE S&H, CASE DUS** Examines the histories, experiences, and cultures that shape the Asian American community. Through articles, books, and film, this course explores the commonalities and the diversity of experiences among Asians in the United States, with particular focus on such issues as immigration, education, community, and identity.

**AAST-A 200 Asian American Literature (3 cr.) CASE A&H, CASE DUS** Survey of Asian American literary production featuring works from a variety of genres--lyric poetry, short fiction, drama, non-fiction, life writing and novels. Works selected from American writers of Asian descent including those of Chinese, Filipino, Indian, Japanese, Korean, Laotian, Nepalese, Pakistani, Taiwanese, or Vietnamese heritage.

**AAST-A 201 Asian Diaspora Experience (3 cr.) CASE A&H, CASE GCC** Explores the Asian Diaspora in the United States and elsewhere in the world. Examines Asian diasporic experience through diverse cultural forms: literature, art, music, dance, theatre, news, film, and other popular media. Addresses such salient issues as identity in transition, ecology and human ecology, globalization, and more.

#### **AAST-A 300 Topics in Asian American Studies (3 cr.)**

**CASE DUS** Advanced study of a single focused topic in Asian American studies, with attention to disciplinary and interdisciplinary interpretations, frameworks of theory and practice, and skills in research, analysis, and writing. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

**AAST-A 320 Advanced Topics in Asian American Literature (3 cr.) CASE A&H, CASE DUS** In-depth study of a single author or topic as manifested in literary works produced by and about Asian Americans. Topics vary from semester to semester. May be repeated with a different topic for a maximum of 6 credit hours.

**AAST-A 495 Independent Readings and Research in Asian American Studies (3 cr.)** P: Consent of instructor and program director. Independent readings or research project in Asian American studies. May be repeated for a maximum of 6 credit hours.

#### **AAST-A 499 Capstone Seminar in Asian American Studies (3 cr.)**

P: Consent of the program. A faculty-supervised course of independent research utilizing a specific disciplinary or interdisciplinary approach and culminating in a paper or report. The project may incorporate a practical or service-learning component and the use of diverse media. The report must include a written, analytical component.

## Astronomy

### Introduction

The Department of Astronomy (AST) offers courses toward the B.S. degree in astronomy and astrophysics as well as 100-level courses for non-astronomy majors. This degree program is designed to prepare students for graduate study and a subsequent career in astronomy and astrophysics. The program also serves the needs of students preparing for careers in related technical fields. Students enrolled in this program use the telescopes at the campus observatories. Ambitious students might use and/or analyze data from the Wisconsin-Indiana-Yale-NOAO Observatories, other ground-based observatories, and space-borne observatories such as the Hubble Space Telescope. Students also use the extensive computing facilities in Swain Hall.

### Contact Information

Department of Astronomy and Astrophysics  
Indiana University  
Swain West 319  
Bloomington, IN 47405

(812) 855-6911  
[astdept@indiana.edu](mailto:astdept@indiana.edu)

<http://www.astro.indiana.edu>

## Faculty

### Chairperson

- John J. Salzer

### Professors

- Haldan N. Cohn
- Eileen D. Friel
- Phyllis M. Lugger

- Stuart L. Mufson
- Catherine A. Pilachowski
- John J. Salzer

#### **Associate Professors**

- Constantine P. Deliyannis
- Katherine L. Rhode
- Liese van Zee

#### **Assistant Professor**

- Enrico Vesperini

#### **Academic Advising**

- Carlin C. Schrag, Swain Hall West 244, (812) 855-2391

## **Major in Astronomy and Astrophysics**

Students must complete the following Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements for the B.S. in Astronomy and Astrophysics:

1. Writing, same as the general requirements for the B.A. degree (English Composition, CASE Intensive Writing).
2. Foreign language, 3 credit hours (or the equivalent) at or above the second-year level. French, Spanish, German, or Russian is normally required.
3. Two courses in arts and humanities.
4. Two courses in social and historical studies.
5. Two courses in natural and mathematical sciences, fulfilled by major.
6. One Critical Approaches course.
7. One Public Oral Communication course.

Students must complete the following requirements for the major:

1. Mathematics M211, M212, M311, and M343.
2. Physics P221-P222, P301, P331-P332, and two of P441, P442, P453, or P454.
3. Astronomy A221-A222, A305, and two 400-level astronomy courses other than S499.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### **Recommendations**

The following physics courses are highly recommended for students planning graduate study in astronomy and astrophysics: PHYS-P 309, P340, P321, and two additional courses from PHYS-P 441, P442, P453, or P454. Other courses of interest are PHYS-P 460, P400; MATH-M 312, M344; CSCI-A 201-A202 or C211-C212; GEOL-G 121, G150; HPSC-X 222, X390, X391; CHEM-C 117, C118.

## **Departmental Honors Program**

The honors program is designed for superior students who plan to pursue graduate studies in astronomy and astrophysics. Students wishing to pursue the honors program should contact the undergraduate advisor in the Department of Astronomy during the second semester of their sophomore year or first semester of their junior year. To be admitted to the honors program, students must have a minimum overall GPA of 3.300 and a

minimum GPA of 3.300 in their astronomy, mathematics, and physics courses. Students must maintain these GPAs to receive a degree with honors in astronomy and astrophysics.

In the honors program, students complete the same requirements as for the regular B.S. in Astronomy and Astrophysics and in addition take Astronomy S499 Honors Research. Astronomy S499 is to be taken one or both semesters during the senior year and counts for 3 credits each time it is taken. Students will carry out research supervised by a faculty member in the department. During the second semester of the senior year, the student will write a research report and make an oral presentation describing the work to the Department of Astronomy in a minicolloquium.

#### **A Sample Schedule for Honors Astronomy and Astrophysics Program**

The following schedule is just an example, and there is considerable flexibility in how to schedule courses. Those considering a career in astronomy, astrophysics, or a related field should consider a more accelerated schedule, though it's also possible to complete the major requirements even if one begins taking the required courses as late as the beginning of the sophomore year. Regardless, students are strongly encouraged to seek advice in the Astronomy Department as soon as possible, to determine what kind of schedule best suits their needs and goals.

#### **Freshman**

- Mathematics M211-M212
- Physics P221-P222
- Astronomy A221-A222 (Students with good high school preparation in physics and mathematics are encouraged to take A221-A222 during the freshman year.)

#### **Sophomore**

- Mathematics M311 and M343
- Physics P301
- Astronomy A221-A222 (if not taken during freshman year)

#### **Junior**

- Physics P331-P332 and P453 (if taking the P453-P454 sequence). P453 is taught in the spring semester, and P454 is taught in the fall semester.
- Astronomy, one or two of A305, A451, A452, or A453 (A305, A451, and A452 are offered in alternate years.)

#### **Senior**

- Physics, one (if already taken P453) or two (if P453 not taken) of P441, P442, P453, P454
- Astronomy, two of A305, A451, A452, A453; or one and S499 for Honors Program.

## **Minor in Astronomy and Astrophysics**

A program leading to a minor in astronomy and astrophysics is provided for students who have a serious interest in the field but do not plan to major in the subject. To obtain a minor in astronomy and astrophysics, a

student must take the following courses: A221, A222, PHYS-P 301 and two of AST A305, A320, A450, A451, A452, or A453. Altogether, these provide at least 17 credit hours. A student must take all necessary prerequisites, including some mathematics and physics classes. Students may substitute one 300-400 level astronomy course and or PHYS-P 301 with other 300-400 level courses in related fields (physics, mathematics, or computer science) with the permission of the Director of Undergraduate Studies. The cumulative GPA of all courses taken for the minor must be at least 2.000.

## Course Descriptions

**Note:** A100, A102, A103, A105, and A115 are introductory astronomy courses of comparable difficulty. No one of them is considered a prerequisite for any other.

### AST-A 100 The Solar System (3 cr.) CASE N&M

Celestial sphere, constellations, apparent motions of celestial objects, eclipses, history of astronomy, astronomical observations, the Earth as a planet, the Moon, the planets and their satellites, comets, meteors, theories of the origin of the solar system. Credit given for only one of A100 and A110. I Sem., II Sem., SS.

**AST-A 102 Gravity, the Great Attractor: Evolution of Planets, Stars, and Galaxies (3 cr.) CASE N&M** The fundamental role of gravity in shaping the evolution of planets, stars, galaxies, and other astrophysical systems is the underlying theme. The scientific method will be emphasized. Topics will include planetary systems, white dwarfs, neutron stars, black holes, binary X-ray sources, gamma-ray bursts, galaxies, and the large-scale structure of the universe.

**AST-A 103 The Search for Life in the Universe (3 cr.) CASE N&M** Explores the origin, nature, and history of life on Earth, prospects for life in our own and other planetary systems, extrasolar planet detection, and the possibility of other technological civilizations.

### AST-A 105 Stars and Galaxies (3 cr.) CASE N&M

Introduction to the physical universe. Topics include constellations, gravity, radiation, the Sun, structure and evolution of stars, neutron stars and black holes, the Milky Way galaxy, normal galaxies, active galaxies, quasars, cosmology, and the search for extraterrestrial life. Credit given for only one of A105 or A110. I Sem., II Sem., SS.

### AST-A 115 Birth and Death of the Universe (3 cr.) CASE N&M

Introduction to cosmology. Traces the ideas describing the origin and evolution of the universe from ancient geocentric cosmologies to the Big Bang cosmology.

### AST-A 221 General Astronomy I (4 cr.) CASE N&M

P: MATH M025 and M026 or high school equivalent. For physical science majors. Introduction to modern astronomy and astrophysics, including basic principles of mechanics, gravity, optics, radiation, and observational and experimental methods. A main theme is to explore how these principles affect the evolution of our scientific understanding of astronomical phenomena. Topics typically include the night sky, planetary bodies, the Sun and our solar system, and stars in our Milky Way galaxy. Credit given for only one of A201 or A221. I Sem.

### AST-A 222 General Astronomy II (4 cr.) CASE N&M

P: MATH M025 and M026 or high school equivalent.

Continuation of A221. For physical science majors. Application of basic principles of gravity, mechanics, optics, and radiation to modern astronomy and astrophysics. Topics typically include stars, stellar populations, interstellar matter, galaxies, cosmology, and observational astronomy from radio to gamma rays. Credit given for only one of A202 or A222. II Sem.

### AST-A 305 Modern Observational Techniques (4 cr.)

**CASE N&M** P: A201-A202 or A221-A222, calculus, PHYS P201- P202 or P221-P222, consent of instructor. Telescopes, astronomical imaging, spectroscopic and photometric observations, and reductions. I Sem.

### AST-A 320 Computational Problems in Astronomy (3 cr.) CASE N&M

P: A201-A202 or A221-A222, MATH M212, PHYS P221-P222. R: Previous computer experience is helpful. Problem-solving exercises in stellar astronomy, galaxies, and astronomical spectroscopy. Topics include orbital solutions of binary stars, structure of the Milky Way, and astronomical distance scales.

**AST-A 390 Reading Course (1-3 cr.)** P: A201-A202 or A221-A222, consent of instructor. I Sem., II Sem., SS. May be taken for a maximum of 6 credits.

### AST-A 450 Galactic Astrophysics (3 cr.)

P: Calculus, PHYS P301 or equivalent, and A222; or consent of instructor. Galactic structure, basic components, kinematics, chemical properties, stellar populations, theories of formation and evolution of the Milky Way and nearby galaxies.

### AST-A 451 Stellar Astrophysics (3 cr.) CASE N&M

P: Calculus, PHYS P301 or equivalent, and A222; or consent of instructor. Application of basic physical principles to investigation of the solar system, stars, and the Milky Way galaxy.

### AST-A 452 Extragalactic Astrophysics (3 cr.) CASE N&M

P: Calculus, PHYS P301 or equivalent, and A222; or consent of instructor. Application of basic physical principles to investigation of galaxies and cosmology.

### AST-A 453 Topics in Astrophysics (3 cr.) CASE N&M

P: Calculus, PHYS P301 or equivalent, and A222; or consent of instructor. Topics in astrophysics not covered extensively by other courses. The topic will vary depending on instructor. Possible topics include the solar system, celestial mechanics, astrobiology, stellar interiors, stellar atmospheres, stellar populations, galaxy dynamics, and cosmology. May be repeated with a different topic for a maximum of 6 credit hours.

**AST-S 499 Honors Research (3-6 cr.)** P: Consent of director of undergraduate studies. Students will carry out astronomical research closely supervised by a faculty member in the department. Students will write a research report and give an oral presentation during the second semester of their senior year. May be taken two semesters for a maximum of 6 credit hours.

## Biology

### Introduction

The Department of Biology (BIOL) offers a wide range of programs, including B.A. and B.S. degrees in biology and microbiology. Because the minimal requirements for

each degree differ widely and prepare students for varied careers, students should consult advisors and evaluate each degree carefully. Independent research and honors degrees can be earned under any degree program. In departmental course work the letter prefix indicates the major emphasis of the class: "B" indicates plant sciences; "M" a microbiological emphasis; "Z" a zoological emphasis; and "L" courses cover microbiological, botanical, and zoological subjects.

### Contact Information

Department of Biology  
Indiana University  
Jordan Hall A115  
1001 E. 3rd St.  
Bloomington, IN 47405  
(812) 855-3810  
[bioadv@indiana.edu](mailto:bioadv@indiana.edu)  
<http://www.bio.indiana.edu/>

## Faculty

### Chairperson

- Clay Fuqua

### Associate Chairpersons

- Gregory Demas
- Richard Hardy

### Distinguished Professors

- Keith Clay
- Thomas Kaufman
- Ellen Ketterson
- Curtis Lively
- Michael Lynch
- Jeffrey Palmer
- Rudolf Raff
- Loren Rieseberg
- Mike Wade

### Professors

- Steve Bell
- James Bever
- Jose Bonner
- Volker Brendel
- Yves Brun
- Lynda Delph
- Gregory Demas
- Pat Foster
- Clay Fuqua
- James Goodson
- Roger Hangarter
- Roger Innes
- David Kehoe
- Emília Martins
- Craig Pikaard
- Elizabeth C. Raff
- Maxine Watson
- Malcolm Winkler
- Miriam Zolan

### Associate Professors

- Alan Bender
- Brian Calvi

- Lingling Chen
- Yean Chooi-Odle
- Matthew Hahn
- Spencer Hall
- Richard Hardy
- Laura Hurley
- Daniel Kearns
- Justin Kumar
- Jay Lennon
- Scott Michaels
- Armin Moczek
- Leonie Moyle
- Suchetana "Tuli" Mukhopadhyay
- Heather Reynolds
- Dean Rowe-Magnus
- Sidney Shaw
- Troy Smith
- Stefan Surzycki
- Michael Tansey

### Associate Professor, Part-time

- Whitney Schlegel

### Assistant Professors

- Pranav Danthi
- Ke Hu
- Soni Lacefield
- Melanie Marketon
- James "Jake" McKinlay
- Kristi Montooth
- Irene Newton
- Richard Phillips
- Joseph Pomerening
- Nicholas Sokol
- Andrew Zelhof

### Teaching Faculty

- Amy Berndtson
- Clara Cotten
- Pam Hanratty
- Jim Hengeveld
- Susan Hengeveld
- Rich Holdeman
- Nick Konkol
- Carl Kulow
- Laura Mojonnier
- Claire Nisonger
- William Ruf
- Peggy Schultz

### Senior Lecturer

- Judy Surzycki

### Academic Advising

- Anna Bednarski, Mary Ann Miller, Danielle Murry-Knowles, Libby Tilghman, Jordan Hall A115, (812) 855-3810

## Departmental Honors Program

Outstanding students in any of the departmental degree programs are urged to fulfill the requirements for an honors degree. Since independent research is an integral part of the Department of Biology honors program, students must enroll in at least two semesters of L490

Individual Study. (In some limited circumstances MSCI-M 450 and CHEM-C 409 may count in place of L490 credit.) The Undergraduate Advising Office should be consulted for other requirements, but in general, students completing course work with a minimum grade point average of 3.300, a senior thesis, and at least 6 credit hours of BIOL L490 over a minimum of at least 2 semesters or a semester and one full summer will be awarded a degree with honors. Honors students are urged to enroll in special honors courses and seminars offered by many departments in the College of Arts and Sciences.

## **Overseas Study**

Students are encouraged to study abroad, particularly in the Indiana University Overseas Study programs in Australia, Bonaire, Cayman Islands, Copenhagen, Costa Rica, Great Britain, and where students may continue to make progress toward their biology degrees. For information about study abroad, contact the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304.

## **Options for Special Credit**

The department awards 3 hours of credit with a grade of S for E112 to students who score a 4 on the College Board Advanced Placement exam or 6 hours of credit for E111 and E112 to students who score a 5 on the College Board Advanced Placement exam. Students who have taken the College Board SAT II Biology E/M test earn credit as follows: a score of 680 on the Biology E test earns 3 credit hours of E111. A score of 680 on the Biology M test earns 3 credit hours of E112. For students who have taken the older SAT II Biology subject test, a score between 680 and 719 earns credit for E112; a score of 720 or higher earns credit for E111 and E112. This credit satisfies the introductory course requirements for majors but carries no lab credit. It is strongly suggested that students understand this material before proceeding to L211. Depending on their score, students should consider completing L112 before proceeding to L211. Nonmajors can apply the credit toward the College of Arts and Sciences Breadth of Inquiry requirements.

## **Major in Biology—B.A.**

### **Purpose**

The B.A. degree is designed to provide training in the major subject areas of biology while remaining the most flexible of all biology degrees offered. Minimal chemistry and mathematics requirements allow students to substitute a second major, such as computer science, chemistry, psychology, environmental studies or business. However, this degree will not automatically fulfill requirements for entrance to medical, dental, or optometry schools, or to most graduate programs in biology.

### **Required Courses**

Students must complete the following course work with a grade of C– or higher in each course:

1. L111 Foundations of Biology: Diversity, Evolution, and Ecology (3 cr.), L112 Foundations of Biology: Biological Mechanisms (3 cr.), and L113 Biology Laboratory (3 cr.).
2. L211 Molecular Biology (3 cr.).
3. L311 Genetics (3 cr.).
4. L318 Evolution (3 cr.).

5. Two additional lecture courses at the 300 or 400 level (See the approved course list for Biology majors). BIOL L322, L490, and L499 do not count for lecture or laboratory credit.
6. Two additional laboratory courses at the 300 or 400 level (See the approved course list for Biology majors). BIOL L322, L490, and L499 do not count for lecture or laboratory credit.
7. One of the advanced lecture courses and one advanced laboratory (300 or 400 level) must be taken on the Bloomington campus.
8. To fulfill College requirements for the B.A. degree, students must complete 18 credit hours in the major at the 300 level or above. For Biology B.A. majors, this 18 credit hours must include L311 (3 cr.), L318 (3 cr.), and either C341 or R340 (3 cr.). The remaining 9 upper-level credit hours must be chosen from the approved course list for Biology majors.
9. CHEM C117-C127 and C341 or R340. Students planning to attend a professional school should check to see what additional chemistry courses they will need.
10. MATH M118 or M119 or M211 or an approved mathematics course.

**Note:** L111 and L112 can be taken in either order. L112 and CHEM C117-C127 are prerequisites of L211, which is the prerequisite of L311 and L318. L111 is also a prerequisite of L318.

Consult with the Biology Undergraduate Advisors for a current list of approved lecture and laboratory classes.

Students must also meet the degree requirements of the College of Arts and Sciences, including Breadth of Inquiry.

## **Major in Microbiology—B.A.**

### **Purpose**

The B.A. degree is designed to provide training in microbiology for those students who do not intend to obtain an advanced degree in microbiology or attend medical, dental, or optometry school. The degree is suitable for students who are double majors as well as those individuals whose career goals include being a laboratory technician or working in an outside field, such as business or environmental studies.

### **Required Courses**

Students must complete the following courses with a minimum grade of C– in each course:

1. L112 Foundations of Biology: Biological Mechanisms (3 cr.) and L113 Biology Laboratory (3 cr.).
2. L211 Molecular Biology (3 cr.).
3. M250 Microbiology (3 cr.) and M315 Microbiology Lab (2 cr.).
4. M440 Medical Microbiology: Lecture (3 cr.) or M460 Biology of the Prokaryotes (3 cr.).
5. M480 Microbial and Molecular Genetics (3 cr.).
6. Either M350 Microbial Physiology and Biochemistry (3 cr.) or L312 Cell Biology (3 cr.).
7. Two additional courses from the following: B351, L312, L321, L472, M375, M416, M430, M440, M460, or BIOT T310. A course selected in section 4 or section 6 cannot be selected for credit in section 7.

8. One additional laboratory from the following: M360, M435, M445, M465, M485, or BIOT T315.

### **Additional Requirements**

Students must also complete the following with a minimum grade of C– in each course:

1. CHEM C117-C127 and C341 or R340. Students planning to attend professional school should check to see what additional chemistry courses they will need.
2. PHYS P201-P202 or P221-P222.
3. MATH M119 or M211, or an approved mathematics course, or one of the following statistics courses: MATH K310, PSY K300 or K310, LAMP L316, STAT S300 or S303, or SPEA-K 300 or K310. (Note that although SPEA-K 300 or K310 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours if the total hours allowed outside the College have been met.)

Students must also meet the degree requirements for the B.A. degree in the College of Arts and Sciences.

## **Major in Biology—B.S.**

### **Purpose**

The B.S. in biology is designed to provide students with a rigorous general background in the sciences to prepare them for graduate or professional school or for science-related jobs at the bachelor's degree level. The more extensive requirements in chemistry, mathematics, and physics have been selected to optimize students' future opportunities.

### **Required Courses**

Students must complete General Education requirements and the following Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements:

1. Writing, same as for B.A. degree (English Composition, CASE Intensive Writing).
2. Mathematics, fulfilled by major.
3. Foreign language, three semesters in the same language, or equivalent proficiency.
4. One Critical Approaches course.
5. Arts and humanities, two courses.
6. Social and historical studies, two courses.
7. Natural and mathematical sciences, fulfilled by major.
8. One Public Oral Communication course.
9. Culture courses are not required.

### **Major Requirements**

Students must complete the following course work with a minimum grade of C– in each course:

1. L111 Foundations of Biology: Diversity, Evolution, and Ecology (3 cr.), L112 Foundations of Biology: Biological Mechanisms (3 cr.), and L113 Biology Laboratory (3 cr.).
2. L211 Molecular Biology (3 cr.).
3. L311 Genetics (3 cr.).
4. L318 Evolution (3 cr.).
5. Three additional lecture courses at the 300 or 400 level (See the approved course list for Biology

majors). BIOL L322, L490 and L499 do not count for lecture or laboratory credit.

6. Three additional laboratory courses at the 300 or 400 level (See the approved list for Biology majors). BIOL L322, L490, and L499 do not count for lecture or laboratory credit.
7. Two of the advanced lecture courses (300 or 400 level) and two of the advanced laboratories (300 or 400 level) must be taken on the Bloomington campus.
8. Consult with the Biology Undergraduate Advisors for a current list of approved lecture and laboratory classes.

Students must also complete all degree requirements of the College of Arts and Sciences.

**Note:** L111 and L112 can be taken in either order. L112 and CHEM C117 are prerequisites of L211, which is the prerequisite of L311 and L318.

### **Additional Requirements**

Students must also complete with a minimum grade of C– in each course:

1. CHEM C117-C127, C341, C342, and C343. For those planning professional school, this sequence is recommended: C117-C127, C341, C342, C343, and N330.
2. PHYS P201-P202 or P221-P222.
3. One of the following statistics courses: MATH K310, PSY K300 or K310, LAMP L316, STAT S300 or S303, or SPEA-K 300 or K310. (Note that although SPEA-K 300 or K310 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours if the total hours allowed outside the College have been met.)
4. MATH M211 or M215 (or M119 and M120) or an approved mathematics course.

**Note:** L111 and L112 can be taken in any order. L112 and CHEM C117-C127 are prerequisites of L211, which is the prerequisite of L311 and L318. L111 is also the prerequisite of L318.

### **Recommendations**

Students are urged to discuss with the academic advisors in Jordan Hall A115 the selection of electives and requirements to meet their specific career goals.

## **Special B.S. for Three-Year Premedical/Predental/Preoptometry Students**

### **Purpose**

This program is designed for students admitted to the Indiana University Schools of Medicine, Dentistry, or Optometry after three years at Indiana University Bloomington. Students who have completed requirements for this major; the Foundations, CASE Intensive Writing, Foreign Language, and Breadth of Inquiry requirements for the standard B.S. in Biology; and at least 90 credit hours in courses offered by the College of Arts and Sciences may apply 8 credit hours of their first-year professional courses toward their undergraduate major and 24 credit hours of their first-year professional courses as undergraduate elective credit. Students who have been accepted to medical and dental schools other than

Indiana University's must have special permission from the dean of the College of Arts and Sciences to apply for this degree.

### **Major Requirements**

Students must complete the following with a C- or higher:

1. BIOL L111, L112, L211, L311, and L318; a total of three associated labs, which must be taken on the Bloomington campus.
2. CHEM C117-C127, C341, C342, C343, and N330. Students planning to attend professional school should check to see what additional requirements are needed.
3. PHYS P201-P202 or P221-P222.
4. One of the following statistics courses: MATH K310, PSY K300 or K310, LAMP L316, STAT S300 or S303, or SPEA K300 or K310. (Note that although SPEA K300 or K310 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours if the total hours allowed outside the College have been met.)
5. MATH M211 or M215 (or M119 and M120) or an approved mathematics course.

### **Recommendation**

Students choosing this option should consult with the academic advisors in Jordan Hall A115 and the Premedical/Predental/Preoptometry advisor in the Health Professions and Prelaw Center.

## **Major in Microbiology—B.S.**

### **Purpose**

The B.S. in Microbiology is designed for students who wish to pursue careers as professional microbiologists in health, environmental, governmental, or industrial laboratories. It is also a basis for further professional or graduate training in microbiology and related fields.

### **Required Courses**

Students must complete the following Foundations, Intensive Writing, Mathematics, Foreign Language, Critical Approaches, and Breadth of Inquiry, and Public Oral Communication requirements:

1. Writing, same as for B.A. degree (English Composition, Intensive Writing).
2. Mathematics, fulfilled by major.
3. Foreign language, three semesters in the same language or equivalent proficiency.
4. One Critical Approaches course.
5. Arts and humanities, two courses.
6. Social and historical studies, two courses.
7. Natural and mathematical sciences, fulfilled by major.
8. One course in Public Oral Communication.
9. Culture studies courses are not required.

### **Major Requirements**

Students must complete the following:

1. Biology L112 and L211.
2. Microbiology M250 and M315.
3. Microbiology M350, M360, and M480.
4. Two of the following lab courses: M435, M445, M465, M485, or BIOT T315.

5. One of the following lecture courses: M430, M440, or M460.
6. Two of the following additional lecture courses: M430, M440, M460, M375, M416, B351, L312, L321, L472, or BIOT T310. Courses used to fulfill requirement 5 above will not apply to requirement 6.
7. CHEM C117-C127, C341, C342, C343. Students planning to enter a professional school should check to see what additional courses they will need.
8. PHYS P201-P202 or P221-P222.
9. One of the following statistics courses: MATH K310, PSY K300 or K310, LAMP L316, STAT S300 or S303, or SPEA K300 or K310. (Note that although SPEA K300 or K310 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours if the total hours allowed outside the College have been met.)
10. MATH M211 or M215 (or M119 and M120) or an approved mathematics course.

Students must also complete the requirements and procedures listed in this *Bulletin* under "CASE Credit Hour and Residency Requirements."

### **Recommendations**

Because chemistry is a prerequisite for many upper-level microbiology courses, students are urged to begin chemistry as soon as possible. Students should consult the Biology advising office to plan a coherent program.

## **Minor in Biology**

### **Required Courses**

Option 1 or Option 2 must include a minimum of 9 credit hours taken on the Bloomington campus. *Students are not allowed to combine the two options.* They must choose either Option 1 or Option 2.

### **Option 1**

This option is recommended for students not majoring in science:

- BIOL L111, L112, L113, L350, L369 and
- An approved statistics course at the 300 level, or one of L330 or L340.

### **Option 2**

This option is recommended for science majors:

- BIOL L111, L112, L113, and
- An approved statistics course at the 300 level, or one 3 credit, upper-level (300-400) lecture or lab course for biology majors, and
- Additional biology major courses at the 300-level and above to total 18 or more credit hours. A minimum of 9 credit hours must be at the 300-400 level.

**Note:** Biology L490 and L499 credit cannot count for either option in the biology minor.

## **B.S. Biology/M.S.Ed. Secondary Education**

In an effort to address the shortage of Indiana high school teachers in certain subjects, the College, in conjunction with the IU School of Education, offers an accelerated five-year program in which students can obtain a B.S. in Biology and an M.S.Ed. in Secondary Education and also complete all requirements for State licensure in Secondary

Education. Under this program, students complete all of the course work required for the B.S. in Biology major by their eighth semester at IU. Beginning in their eighth semester and then continuing in the summer after their fourth year and in a fifth year of study, students complete all of the requirements for the M.S.Ed. in Secondary Education with licensure.

Students must apply and earn admittance to the School of Education's Secondary Transition to Teaching and the Master of Science in Education programs during the fall semester of their senior year. After they have completed a minimum of 90 credit hours in the College of Arts and Sciences and satisfied the Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, and major concentration requirements for the B.S. in Biology, students may apply up to 30 credit hours earned in the School of Education as College electives. The requirements for the B.S. in Biology must be completed before student teaching begins in the final spring semester of the five-year program. The two degrees (B.S. in Biology and M.S.Ed. in Secondary Education) are awarded simultaneously.

Students considering this degree should seek advising from both the Department of Biology and the School of Education. Also, students are advised to check with the [Financial Aid](#) (through Student Central on Union) on the effect that the transition to graduate status may have on existing undergraduate funding.

## Course Descriptions

### Courses for the Biology Major

Credit will be given for only one of these courses: E112, H111, L100, L104, L112, or Q201.

#### **BIOL-E 111 Basic Biology by Examination I (3 cr.)**

**CASE N&M** Credit by examination for demonstrating an understanding of basic facts and concepts of the lecture content of L111. Credit not given for both E111 and L111.

#### **BIOL-E 112 Basic Biology by Examination II (3 cr.)**

**CASE N&M** Credit by examination for demonstrating an understanding of basic facts and concepts of the lecture content of L112. Credit given for only one of the following: L100, L104, E112, L112, or Q201.

#### **BIOL-H 111 Integrated Freshman Learning Experience I (4 cr.) CASE N&M**

P: Acceptance to IFLE Project. Intensive seminar/laboratory experience exploring the interdisciplinary nature of the modern life sciences. The course will revolve around a central question chosen by the students and will analyze how life scientists from biochemistry, cellular/molecular biology, and neuroscience might contribute to the common understanding of a fundamental problem. Credit given for only one of the following: H111, E112, L100, L104, L112, Q201.

#### **BIOL-H 112 Integrated Freshman Learning Experience II (4 cr.) CASE N&M**

P: Acceptance to IFLE Project and H111 or equivalent. Continuation of H111. Intensive seminar/laboratory experience exploring the interdisciplinary nature of the modern life sciences. The course will revolve around a central question chosen by the students and will analyze how life scientists from biochemistry, cellular/molecular biology, and neuroscience might contribute to the common understanding of a

fundamental problem. Credit given for only one of H112 or L113.

**BIOL-L 111 Foundations of Biology: Diversity, Evolution, and Ecology (3 cr.) CASE N&M** For biology and other science majors. Preference will be given to freshmen and sophomores. Focus is on the processes of evolution leading to organismal diversity and adaptation, as well as basic ecological concepts. Credit not given for both E111 and L111.

**BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.) CASE N&M** P: High school or college chemistry. For biology and other science majors. Integrated picture of manner in which organisms at diverse levels of organization meet problems in maintaining and propagating life. Credit given for only one of the following: L100, L104, H111, E112, L112, Q201.

**BIOL-L 113 Biology Laboratory (3 cr.) CASE N&M** P or C: L112. R: L111. Laboratory experiments in various aspects of biology, with a focus on investigative logic and methods. Introduces aspects of cell biology, genetics, and evolutionary biology. Should not be taken during first semester of residence unless credit has been earned for both E111 and E112. Credit given for only one of L113 or H112.

**BIOL-L 211 Molecular Biology (3 cr.) CASE N&M** P: L112 and CHEM C117. Structure and function of DNA and RNA. DNA replication, mechanisms of mutation, repair, recombination, and transposition. Mechanisms and regulation of gene expression. The genetic code, transcription, and translation. Introduces bacteriophages, plasmids, and the technology of recombinant DNA. Credit given for only one of L211 or S211.

**BIOL-S 211 Molecular Biology, Honors (5 cr.) CASE N&M** P: L112 and CHEM C117. R: CHEM C341 concurrent. Structure and function of DNA and RNA. DNA replication, mechanisms of mutation repair, recombination, and transposition, mechanisms and regulation of gene expression. The genetic code, transcription, and translation. Introduces bacteriophages, plasmids, and the technology of recombinant DNA. Course will be taught at an honors level. Credit given for only one of L211, S211, L323, or L324.

**BIOL-L 299 Career Directions in Biology: Jobs for Life Scientists (1 cr.)** P: Sophomore standing or above. Intended for biology, biotechnology, and microbiology majors. Focuses on identification of and preparation for life science career paths. Covers career information resources, resumes, cover letters, and application processes. Content includes interviewing skills, discussion of graduate and professional programs, careers in biology, personal assessment, and job search strategies. Not repeatable for credit.

#### **BIOL-B 300 Vascular Plants (4 cr.) CASE N&M**

P: One introductory biology course. Survey of the ferns, gymnosperms, and flowering plants, including their morphology, classification, ecology, evolution, and economic importance.

#### **BIOL-L 301 Information Literacy in Biology (1 cr.)**

C: Enrollment in an upper-level biology lecture, field, or laboratory course. Methods of information search and retrieval, critical evaluation of primary literature,

and generation of technical writing skills necessary for research in biology. Work will focus on a topic chosen from an upper-level lecture, field, or laboratory course in which the student must be concurrently enrolled.

**BIOL-L 307 Biodiversity (3 cr.)** P: L111 and L112, or consent of instructor. Provides a strong framework and hands-on experience studying biodiversity. Course transitions between introductory materials considered in L111 and L112 and more advanced courses focused on specific groups of organisms (for example, vertebrate zoology). Includes field and lab components where local biodiversity is sampled and analyzed.

**BIOL-L 311 Genetics (3 cr.)** P: L211 or S211. Analysis of the mechanisms of inheritance, including developmental processes that lead to the construction of whole organisms and to the transmission to their offspring of specific genetic traits. Includes the principles of genetics and the analysis of mutations affecting development. Credit given for only one of L311 or S311.

**BIOL-S 311 Genetics, Honors (5 cr.)** P: L211 or S211. Principles governing the transmission of specific traits to the progeny of prokaryotes and eukaryotes including bacteria, viruses, fungi, higher plants, and animals. Analysis at the level of the individual and population; interactions between genetic constitution and environment; application to the study of development, human genetic diseases, and/or agricultural breeding. Course includes a laboratory. Credit given for only one of L311, S311, or L319.

**BIOL-L 312 Cell Biology (3 cr.)** P: L211. Current views of the structure and function of cellular organelles and components, with emphasis on the flow of information through the cell, the metabolism that supports cellular functions, and differences among different specialized cells. Current techniques will be stressed. Credit given for only one of L312 or L330.

**BIOL-L 313 Cell Biology Laboratory (3 cr.)** P: L113 and L211, or CHEM C342, or consent of instructor. R: BIOL L312, CHEM C484. Theory and techniques of experimental cell physiology. Enzyme purification using spectrophotometry, ion-exchange and gel-permeation chromatography, gel electrophoresis. Respiration and photosynthesis analyzed by cell fractionation, oxygen electrode, and radioactive tracer techniques.

**BIOL-L 317 Developmental Biology (3 cr.)** P: L311 or S311. Analysis of developmental processes that lead to the construction of whole organisms from single cells. Includes the principles of embryology and analysis of mutations affecting development.

**BIOL-L 318 Evolution (3 cr.)** P: L111 or equivalent; L211 or S211. Provides a rigorous exploration of the theory of evolution—the conceptual core of biology. Topics include origins and history of life; the interplay of heredity and environment in shaping adaptations; molecular, behavioral, and social evolution; patterns of speciation, extinction, and their consequences; methods for inferring evolutionary relationships among organisms. Credit not given for both L318 and S318, or both L318 and L479.

**BIOL-S 318 Evolution, Honors (4 cr.)** P: L111 or equivalent; L211 or S211. Provides a rigorous exploration of the theory of evolution—the conceptual core of biology.

Topics include origins and history of life; the interplay of heredity and environment in shaping adaptations; molecular, behavioral, and social evolution; patterns of speciation, extinction, and their consequences; methods for inferring evolutionary relationships among organisms. Credit not given for both L318 and S318, or both S318 and L479.

**BIOL-Z 318 Developmental Biology Laboratory (2 cr.)** P: L211, L311. P or C: L317. A laboratory about developing organisms, with emphasis on vertebrate embryology and organogenesis.

**BIOL-L 319 Genetics Laboratory (3 cr.)** P or C: L311. Experiments with plants, animals, bacteria, and viruses demonstrating fundamental genetic mechanisms. Credit given for only one of L319 or S311.

**BIOL-L 321 Principles of Immunology (3 cr.)** P: L211, and CHEM C101 or C117. R: L312. An introductory survey of the basic principles of immunology and their practical applications.

**BIOL-L 322 Writing Workshop in Biology (3 cr.)**  
**CASE N&M** P: L211. Development of scientific writing styles and techniques to help students learn about complex phenomena, sharpen thought processes used in evaluating complicated data, and develop skills essential for communicating intricate ideas and concepts. Research reports will be regularly reviewed by the instructor, and in the context of cooperative learning groups.

**BIOL-L 323 Molecular Biology Laboratory (3 cr.)**  
P: L211. Manipulation and analysis of genes and genomes. Gene cloning and library screening. Gene amplification and disease diagnosis. Gene mapping and Southern blot analysis of complex genome structure. Credit given for only one of L323, L324, or S211.

**BIOL-L 324 Human Molecular Biology Laboratory (3 cr.)**  
P: L211 or consent of instructor. Theory and molecular biology techniques used to study the human genome and human genes. Students isolate DNA from their cells and apply current techniques for DNA fingerprinting of macro- and microsatellites, telomere length estimation, SNP and Alu polymorphism analysis, gene expression analysis, DNA sequencing, and computer analysis. Credit given for only one of L323, L324, or S211.

**BIOL-L 331 Introduction to Human Genetics (3 cr.)**  
P: A course in genetics. Principles of human genetics are presented. The emphasis is on new developments in the field afforded by present-day techniques in molecular biology. Among the topics considered are sex inheritance, molecular basis of genetic diseases, oncogenesis, and immune system structure.

**BIOL-B 351 Fungi (3 cr.)** P: L111 and L112. R: Junior or senior standing or consent of instructor. Morphology, life histories, classification, genetics, physiology, development, ecology, medical and economic importance of fungi.

**BIOL-B 352 Fungi: Laboratory (2 cr.)** P or C: B351. R: Junior or senior standing or consent of instructor. Laboratory and field studies of fungi and their activities.

**BIOL-B 364 Summer Flowering Plants (4-5 cr.) CASE N&M** P: One introductory biology course. For those

desiring a broad, practical knowledge of common wild and cultivated plants.

**BIOL-B 368 Ethnobotany (3 cr.) CASE N&M** P: L111. Plants in relation to man with primary emphasis on food plants.

**BIOL-B 371 Ecological Plant Physiology (3 cr.)** P: College chemistry and L111 and L112. The interrelationships among plant function and temperature, water supply, nutrient level, light quality, light quantity, gases, and other organisms.

**BIOL-B 373 Mechanisms of Plant Development (4 cr.)** P: L111, L211. Lecture and lab explore the physiological and molecular mechanisms controlling plant growth and development from germination to reproduction. Studies structural and functional relationships with an emphasis on how external stimuli like light, gravity, nutrition, and temperature affect gene activities and physiological processes that control growth.

**BIOL-Z 373 Entomology (3 cr.)** P: One introductory biology course. Insects, with emphasis on evolution, distribution, behavior, and structure.

**BIOL-Z 374 Invertebrate Zoology (3 cr.)** P: One introductory biology course. Ecology, evolution, and phylogeny of major invertebrate groups, with emphasis on current controversies and concepts.

**BIOL-Z 375 Invertebrate Zoology Laboratory (2 cr.)** P: One introductory biology course. Laboratory and field studies of invertebrates, with an emphasis on experiments with living specimens.

**BIOL-L 376 Biology of Birds (4 cr.)** P: L111 and L112. Avian systematics, distribution, evolution, ecology, and behavior, emphasis on migration and orientation, territoriality, communication, and reproductive behavior. Field trips will concentrate on identification, interpretation of behavior, and research methods. Intended for biology majors.

**BIOL-L 377 Biology of Amphibians and Reptiles (3 cr.)** P: L111, L112, L113. An extensive study of amphibians and reptiles, including behavior, physiology, ecology, and evolution. Course will include a survey of world diversity, comparative dissections, field exercises, behavioral experiments, and review of the primary literature.

**BIOL-M 380 Microbiology of Infectious Disease (3 cr.)** P: L211. Serves as a guide to the complex subject of infectious disease. Builds on basic biological principles to examine different agents of disease, the major modes of transmission, interaction of pathogens with the host immune system, and the ecological factors facilitating or inhibiting the emergence of epidemic disease.

**BIOL-L 390 Learning Enhancement in Biology (1 cr.)** Additional discussion, learning group, laboratory, or field experiences to accompany another course in biology. Offered as a corequisite for the other course. May be repeated for a maximum of 4 credit hours when taken with different corequisite courses.

**BIOL-Z 406 Vertebrate Zoology (5 cr.)** P: L111 and L112, junior or senior standing or consent of instructor. Morphology, evolution, adaptations, and general biology of vertebrates.

**BIOL-L 410 Topical Issues in Biology (2-3 cr.)** P: L111, L112, and L113. Topics not related extensively in other courses. The topic will vary depending on the instructor and on student needs. May be repeated once with a different topic for a maximum of 6 credit hours.

**BIOL-L 411 Epigenetics, Chromosomes, and Disease (3 cr.)** P: L211. P or C: L311. Epigenetic phenomena involve cases in which genes do not obey Mendel's rules but display variable, sometimes unpredictable, expression patterns. Some are part of normal development but others are implicated in disease states, including cancer. Case studies of such things as sex-chromosome dosage control, paternal and maternal imprinting, and chromosome position effects are discussed, as well as the roles of small RNA's, DNA methylation, and histone modifications on gene expression.

**BIOL-L 412 Analysis of Cancer Research (3 cr.)** P: L113 and L211. Analysis, inquiry, discussion, and critique of literature concerning cancer clinical trials, targeted cancer therapies, and diagnostic cancer tests. Critical thinking about cancer clinical trials, including their designs, claims and evidence, strengths and weaknesses, ethical problems, and implications.

**BIOL-L 423 Brain, Behavior and Evolution (3 cr.)** P: BIOL L111 and L112. Explores a variety of topics related to the evolution of nervous systems, with a focus on vertebrate brains. Topics include comparative neuroanatomy, methods, approaches to homology, the meaning of changes in size, ecological and behavioral specializations, developmental constraints, and a consideration of how special (or not) human brains are. A basic background in neuroscience is recommended but not required.

**BIOL-L 433 Tropical Biology (3 cr.)** Field course taught in a tropical area overseas. Topics center on ecology and evolution and may include plants and animals, their interactions in rain forests, seasonally dry forests and mangroves, cloud forests, marine biology, marine/land interface, coral physiology, and reef development. Requires detailed field journal and other projects on areas visited. May not be repeated for credit.

**BIOL-P 451 Integrative Human Physiology (4 cr.)** P: Consent of departmental chairperson. Intended for the junior or senior science major. Course in human physiology designed to introduce the senior undergraduate student to the function of the human body in health, disease, and extreme environments. Emphasizes how the different organ systems work to maintain homeostasis and how organ function is integrated. The content and key concepts are presented in order to provide students insight into the scientific process through problem-solving and exploration of resources. Utilizes experimental inquiry, case-based and problem-oriented methodology with students working in teams, and an emphasis on clinical application. The laboratory component is incorporated into the structure of the course.

**BIOL-Z 460 Animal Behavior (3 cr.)** P: Senior or graduate standing in psychology or biology and consent of instructor. Introduction to the zoological study of animal behavior. Emphasizes both internal and external factors involved in the causation of species-typical behavior of animals (protozoa–primates) in their natural environment.

**BIOL-Z 463 Comparative Neurobiology of Animal Behavior (3 cr.)** P: PSY-P 326, P346, or permission of instructor. Addresses the intersection of two disciplines: animal behavior and neurobiology. Uses integrative and comparative approaches to understand how the nervous system controls animal behavior in natural contexts and how neural circuits evolve to generate diversity in behavior.

**BIOL-L 465 Advanced Field Biology (3 cr.)** P: L473 or equivalent and consent of instructor. Lectures and two to three weeks of fieldwork on various problems of ecosystem structure and dynamics. Quantitative comparisons will be made of ecosystems in several different environments. May be repeated once for credit.

**BIOL-Z 466 Endocrinology (3 cr.)** P: L211. R: CHEM C341. Mechanisms of hormone action from the molecular to the organismal level in vertebrates.

**BIOL-Z 469 Endocrinology Laboratory (2 cr.)** P: BIOL L211. R: BIOL Z466 and L312. Survey of various endocrine systems using molecular, cellular, and whole organism methodologies. Emphasis on structure, function, and regulation of endocrine glands and cells, and their roles in maintaining homeostasis within the organism.

**BIOL-L 472 Microbial Ecology (3 cr.)** P: Junior standing in biology. Principles of microbial ecology with emphasis on the population, community, and ecosystem ecology of bacteria and fungi.

**BIOL-L 473 Ecology (3 cr.)** P: L111. R: L318. Major concepts of ecology for science majors; relation of individual organisms to their environment, population ecology, structure and function of ecosystems. Credit not given for both L473 and L479.

**BIOL-L 474 Field and Laboratory Ecology (2 cr.)** P: L111. R: L473 or concurrent. Introduction to research problems and techniques in the ecology of individuals, populations, and ecosystems.

**BIOL-Z 476 Biology of Fishes (3 cr.)** P: L111, L112, and L113. An in-depth study of the anatomy, physiology, evolution, behavior, and diversity of fishes. Course includes comparisons among fish taxa and other vertebrate taxa, evaluation of primary literature, dissection and classification techniques, behavioral and ecological experiments, and fieldwork.

**BIOL-L 479 Evolution and Ecology (4 cr.)** P: L311. Evolution and ecology for science majors. Origin of life; physical environment and the individual; population ecology and population genetics; species interactions; community organization; development, structure, and function of ecosystems. Credit given for only one of L318, S318, L473 or L479.

**BIOL-L 490 Individual Study (1-12 cr.)** P: Overall GPA 2.500 or above and written permission of faculty member supervising research. Must present oral report to complete more than 6 credit hours. Must complete a written assignment as evidence of each semester's work. Section authorization. Maximum of 6 credits allowed for summer internships/research. May be repeated for a maximum of 12 credit hours.

**BIOL-S 495 Honors Thesis Research (1 cr.)** P: 3.300 GPA or higher, permission of department, and research

involvement. Required for honors notation. Students must complete at least 5 credit hours of L490 plus S495 over a minimum of two semesters or over one semester and one full summer. Thesis committee must approve the thesis to receive honors.

**BIOL-L 499 Internship in Biology Instruction (3 cr.)** P: Consent of departmental chairperson. Supervised experience in teaching undergraduate biology course. May be repeated once for credit.

#### Courses for the Microbiology Major

With the exception of BIOL-M 250, the following courses also count for the biology major.

**BIOL-M 250 Microbiology (3 cr.) CASE N&M** P: Two semesters of college chemistry; L211 recommended prior or concurrently. Application of fundamental principles to the study of microorganisms. Significance of microorganisms to humans and their environment. Does not count as an upper-level lecture in the Biology B.A. major or Biology B.S. degree.

**BIOL-M 315 Microbiology Laboratory (2 cr.)** P: L112. A conventional laboratory of exercises, demonstrations and discussions. The goal is to achieve proficiency in the principles and techniques necessary for the manipulation of microorganisms under aseptic conditions. Credit given for only one of M315 or M255.

**BIOL-M 350 Microbial Physiology and Biochemistry (3 cr.)** P: M250, M315 or M255, and CHEM C341. Intended for majors in microbiology, biology, or chemistry. Introduction to microbial biochemistry and physiology; nutrition, growth composition, and metabolism of selected bacteria.

**BIOL-M 360 Microbial Physiology Laboratory (3 cr.)** P: M250, M315, and CHEM C341. Introduction to techniques for the fractionation, isolation, and purification of cellular components. Analysis of bacterial growth, enzyme purification, chromatographic analysis of proteins and other metabolites, gel electrophoresis and fermentation studies.

**BIOL-M 375 Human Parasitology (4 cr.)** P: L111 and L112. Junior or senior standing or permission of instructor. Biology of human parasites focusing on their etiology, epidemiology, immunology, diagnosis, and treatment. Major groups of protozoa, helminths, and medically important arthropods covered. Lab presents both live and fixed materials complementing lecture.

**BIOL-M 416 Biology of AIDS (3 cr.)** P: L211. R: L312, M430. A detailed examination of the biology of acquired immune deficiency syndrome (AIDS), its causative agent (HIV), the immune response, and available therapies. For senior biology or biochemistry majors or beginning graduate students.

**BIOL-M 430 Virology Lecture (3 cr.) CASE N&M** P: L211. R: L311 and L312. Viruses of plants, animals (including humans), and bacteria; emphasis on molecular biology of viral systems. Viruses and human disease such as cancer and AIDS; viruses and their evolution.

**BIOL-M 435 Viral Tissue Culture Laboratory (3 cr.)** P or C: M430 or consent of instructor. Laboratory techniques in phage, viruses, and tissue culture.

**BIOL-M 440 Medical Microbiology: Lecture (3 cr.)**

P: BIOL L211. R: BIOL M250, M255. Microorganisms as agents of disease; host-parasite relationships; epidemiology; chemotherapy. Credit given for only one of M440 or M200.

**BIOL-M 445 Medical Microbiology: Laboratory (3 cr.)**

P: M315 or M255. P or C: M440. Laboratory methods of isolation and identification of microorganisms from normal and simulated disease conditions of the human.

**BIOL-M 460 Microbial Evolution (3 cr.)** P: M250 or permission of instructor. Evolution, diversity, and history of microbial life on Earth. Examines all forms of microbial life, including prokaryotes, microbial eukaryotes, and viruses. Topics will include microbial diversity and importance, reconstructing the tree of life, evolutionary mechanisms, horizontal gene transfer, symbiosis, evolution of pathogenesis, and others.

**BIOL-M 465 Environmental Microbiology Laboratory (3 cr.)** P: One of M250, M315 or M255; or permission of the instructor. Scientific inquiry-driven research in environmental microbiology. Focus on the diversity and function of environmental microbes and methods used to study them.

**BIOL-M 480 Microbial and Molecular Genetics (3 cr.)** P: L211 and M250-M255 or consent of instructor. Analysis of the molecular genetics of *Escherichia coli* and its heritable elements. Will include the genetics of other microorganisms as well as molecular cloning.

**BIOL-M 485 Microbial and Molecular Genetics Laboratory (3 cr.)** P or C: M480. The genetics of *Escherichia coli* and its viruses. Techniques include transformation, mutation, bacterial recombination, transduction, transposition, molecular cloning, restriction mapping, Southern blotting, and other recombinant DNA techniques.

**Related College of Arts and Sciences Courses**

These courses are acceptable for credit in biology.

**Biotechnology**

For course descriptions, please refer to the Biotechnology Department section of this bulletin.

**BIOT-T 310 Biotechnology Lecture (3 cr.)****BIOT-T 315 Biotechnology Laboratory (3 cr.)****BIOT-T 415 Theory and Applications of Biotechnology Laboratory I (3 cr.)****BIOT-T 425 Laboratory in Macromolecular Production, Purification, and Characterization (3 cr.)****BIOT-T 440 Structure, Function, and Regulation of Biomolecules (3 cr.)****Chemistry**

For course descriptions, please refer to the Chemistry Department section of this bulletin.

**CHEM-C 483 Biological Chemistry (3 cr.) CASE N&M****CHEM-C 484 Biomolecules and Catabolism (3 cr.) CASE N&M****Geological Sciences**

For course descriptions, please refer to the Geological Sciences Department section of this bulletin.

**GEOL-G 341 Natural History of Coral Reefs (3 cr.) CASE N&M****Psychological and Brain Sciences**

Biology majors may include PSY-P 466 as a lecture or P473 for lab credit. For Biology majors, prerequisites would be PSY-P 326 or P346. For course descriptions, please see the Psychological and Brain Sciences Department section of this bulletin.

**PSY-P 466 Molecular and Cellular Neurobiology (3 cr.) CASE N&M****PSY-P 467 Diseases of the Nervous System (3 cr.)****PSY-P 473 Laboratory in Molecular Neuroscience (3 cr.)****Related Non-College of Arts and Sciences Courses**

These courses are acceptable for credit in biology.

**Medical Sciences**

For course descriptions, please refer to the Medical Sciences Program website: <http://bloomington.medicine.iu.edu/undergraduate-education/undergraduate-course-offerings>.

**PHSL-P 416 Comparative Animal Physiology (3 cr.)****PHSL-P 421 Biophysical Principles in Physiology (3 cr.)****ANAT-A 464 Human Tissue Biology (4 cr.)****MSCI-M 470 Mechanisms of Human Disease (3 cr.)****MSCI-M 480 Molecular Biology of Cancer: Cell Signaling and Fate (3 cr.)****School of Public and Environmental Affairs (SPEA)**

For course descriptions, please refer to the most recent SPEA undergraduate bulletin found here: <http://www.iu.edu/~bulletin/iub/>.

**SPEA-E 455 Limnology (4 cr.)****SPEA-E 457 Introduction to Conservation Biology (3 cr.)****Courses for the Nonmajor**

These courses fall into three categories: 1. L100 is designed to offer the nonmajor an opportunity to examine the fundamental principles of biology. 2. L104 offers freshmen and sophomores the opportunity to explore particular areas of biology in a lecture-only format. L104 cannot be used to undertake later study as a biology major. 3. Nonmajor courses at the 200–400 level are designed to acquaint students possessing a minimal science background with the basic principles underlying the modern biological sciences. Emphasis is given to those biological concepts and advances that are of prime importance to the liberally educated nonscientist. These courses will not count toward a major in the Department of Biology.

**BIOL-L 100 Humans and the Biological World (5 cr.)**

**CASE N&M** Principles of biological organization, from molecules through cells and organisms to populations.

Emphasis on processes common to all organisms, with special reference to humans. Credit given for only one of the following: L100, L104, H111, E112, L112, Q201.

#### **BIOL-L 104 Introductory Biology Lectures (3 cr.) CASE**

**N&M** An introduction to living organisms. Designed for nonscientists with no background in biology. Does not count as a preprofessional course. Primary emphasis may vary with the instructor. Credit given for only one of the following: L100, L104, H111, E112, L112, Q201.

#### **BIOL-L 222 The City as Ecosystem (3 cr.) CASE N&M**

Principles of ecosystem ecology and their application to the sustainable use of energy and resources in urban and agricultural ecosystems, with emphasis on the integration of environmental, social, and economic concerns.

#### **BIOL-L 330 Biology of the Cell (3 cr.) CASE N&M**

P: Any college biology course. R: College chemistry. Not open to biology majors. The structure and function of animal, plant, and microbial cells, with attention to membranes and biologically important molecules. Will include the function of nerves, muscles, and the immune system. Credit given for only one of L330 or L312.

#### **BIOL-L 340 Biological Basis of Sex Differences (3 cr.)**

**CASE N&M** Not open to biology majors. Course will introduce students to biological processes underlying male-female differences in anatomy, physiology, and behavior. Discussions of sexual differentiation in organisms ranging from yeast to humans will be included. Functional (evolutionary/ecological) and mechanistic (developmental/physiological) explanations for sex differences will be addressed.

#### **BIOL-L 350 Environmental Biology (3 cr.) CASE N&M**

P: Junior or senior standing. Not open to biology majors. Interactions of human beings with other elements of the biosphere with emphasis on population, community, and ecosystem levels of ecology.

#### **BIOL-L 369 Heredity, Evolution, and Society (3 cr.)**

**CASE N&M** P: Junior or senior standing. Not open to biology majors. Basic concepts and principles of evolution, heredity, and individual development. Problems of the individual and society raised by present and future genetic knowledge and technology.

#### **Courses for Programs Outside the Department of Biology**

Because these courses are presented as contributions to programs or curricula outside the Department of Biology, they cannot be applied toward requirements for majors in biology nor toward the Breadth of Inquiry requirements of the College.

#### **BIOL-M 200 Microorganisms in Nature and Disease (3 cr.)**

P: High school chemistry and biology. Principles of microbiology, including study of major microbial groups; cultivation, physiology, and genetics; destruction and control of microbial life; activities of microorganisms in nature and disease. For students in programs requiring only one semester of microbiology (not premedical or medical technology students). No credit in this course for students who have already passed M440.

#### **BIOL-Q 201 Biological Science for Elementary Teachers (3 cr.)**

P: Q200. An introduction to the principles and practice of biology designed especially for prospective elementary education teachers. All major areas of

biology will be considered, with a concluding emphasis on the relations between various organisms and their environment. Credit given for only one of Q201, L100, L104, E112, L112.

**BIOL-M 215 Microorganism Laboratory (1 cr.)** P: M200 concurrently. Introduction to basic techniques and procedures of microbiology laboratories. Emphasis on aspects deemed useful to nursing students. Growth and transfer of living microorganisms, aseptic techniques, and the staining and identification of bacteria. Audio-tutorial format. Enrollment preference given to nursing students.

#### **Honors Courses**

In order to provide opportunities and challenges for superior students, the department offers honors courses equivalent to its main courses and designated with an "S." These small-enrollment courses offer tightly integrated lecture and laboratory experiences that include an experimental approach and a quantitative orientation, in addition to covering the basic material taught in the regular courses. Candidates for an honors degree (see "Departmental Honors Program") need not necessarily take these courses but would clearly benefit from them.

## **Biotechnology**

#### **Introduction**

Biotechnology is a program within the Department of Molecular and Cellular Biochemistry. The Bachelor of Science (B.S.) in Biotechnology provides students with fundamental training in basic scientific principles as well as specific concepts, techniques, and applications used in biotechnology. Students who obtain the B.S. in Biotechnology will be prepared to obtain employment in biotechnology and related industries, including the pharmaceutical and agricultural industries; enroll in graduate programs (M.S. or Ph.D.) in Biotechnology or related fields such as Molecular Biology, Microbiology, Genetics, and Biochemistry; or pursue advanced professional degrees such as M.D. (Medicine), M.B.A. (Business), J.D. (Law) with an emphasis on Biotechnology issues. The B.A. major in Biotechnology is tightly integrated with the needs of numerous life science businesses. Completing a major in Biotechnology would be advantageous to those who are planning to undertake non-research oriented business or sales opportunities in the life sciences. Students can combine a major in Biotechnology with degrees in Biology, Chemistry, or Biochemistry.

#### **Contact Information**

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<http://www.indiana.edu/~mcdept/biotech>

## **Faculty**

#### **Director**

- Cheng Kao

**Assistant Director, Undergraduate Program**

- Nancy Magill

**Assistant Director, Graduate Program**

- Robert Vaughan

**Assistant Director, Outreach Programs**

- Megan Dunn

**Professor of Practice**

- Karen Bush

**Professors**

- Carl Bauer
- Steve Bell
- Cheng Kao
- Craig Pikaard
- Adam Zlotnick

**Associate Professors**

- Lingling Chen
- Jim Drummond

**Assistant Professors**

- Matthew Bochman
- Jared Cochran

**Senior Scientist**

- Keith Davis

**Assistant Scientists**

- Julia van Kessel
- Susanne Ressl

**Senior Lecturer**

- Nancy Magill

**Lecturers**

- Megan Dunn
- Robert Vaughan

**Instructor**

- Jeff Ankrom

**Academic Advising**

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## **Major in Biotechnology**

**Purpose**

The major in Biotechnology is tightly integrated with the needs of numerous life science businesses. Completing a major in Biotechnology would be advantageous to those who are planning to undertake non-research oriented business or sales opportunities in the life sciences. Students can combine a major in Biotechnology with degrees in Biology, Chemistry, or Biochemistry.

**Required Course Work (42-43 credits)**

1. CHEM-C 117 and CHEM-C 127 Principles of Chemistry and Biochemistry Lecture and Lab (3 + 2 cr.), and CHEM-C 341 Organic Chemistry I lectures (3 cr.)
2. One mathematics course chosen from MATH-M 118, MATH-M 119, MATH-M 211, MATH-M 212, or MATH-M 213 (3-4 cr.)
3. STAT-S 303 Applied Statistical Methods for the Life Sciences (3 cr.)

4. BUS-X 418 Life Sciences Global Events and Trends (1.5 cr.) and BUS-X 419 The Life Sciences Industry from Research to Patient (1.5 cr.)
5. SPEA-H 352 Healthcare Finance I (3 cr.) or SPEA-H 432 Health Care Marketing (3 cr.)
6. 22 credit hours of course work in Biology and Biotechnology to include:
  - BIOL-L 211 Molecular Biology (3 cr.)
  - BIOL-M 250 Microbiology (3 cr.)
  - BIOT-T 301 Seminar in Biotechnology (1 cr.)
  - BIOT-T 310 Biotechnology Lecture (3 cr.)
  - BIOT-T 312 Societal Issues in Biotechnology (3 cr.)
  - BIOT-T 315 Biotechnology Laboratory (3 cr.)
  - BIOT-T 322 Biotechnology Writing and Communication (3 cr.)
  - BIOT-T 440 Structure, Function, and Regulation of Biomolecules (3 cr.)

Students must also complete the degree requirements for the B.A. in the College of Arts and Sciences.

## **Major in Biotechnology—B.S.**

**Requirements**

Students must complete campus-wide General Education and College CASE requirements for the B.S. Requirements include Foundations: English Composition and Mathematical Modeling, CASE Intensive Writing, World Languages and Cultures/CASE Foreign Language, Critical Approaches, Breadth of Inquiry, and Public Oral Communication requirements:

1. Writing, (English Composition, Intensive Writing). Intensive Writing (IW) requirement satisfied by an IW class of BIOT-T 322. **Note:** To avoid schedule conflicts, Biotechnology students should enroll in an IW class of T322 as soon as they complete course prerequisites.
2. Foundations: Mathematical Modeling, fulfilled by major.
3. Foreign language, three semesters in the same language or equivalent proficiency. General Education requires demonstrated proficiency through the second semester of the second year OR completion of two World Culture courses. Students should discuss these options with an academic advisor.
4. One Critical Approaches to the Arts and Sciences course—students are advised to choose a course that will serve as one of the required arts and humanities or social and historical studies courses listed below.
5. Arts and humanities, two courses.
6. Social and historical studies, two courses.
7. Natural and mathematical sciences, fulfilled by major.
8. One Public Oral Communication course.

**Major Requirements**

Students must complete the following with a minimum grade of C– in each course and a minimum major grade point average of C (2.000):

1. BIOL-L 112 and L211.

2. Either (a) BIOL-M 250 and M315 or (b) BIOL-M 430 and M435.
3. BIOT-T 301, T310, T312, T315, T322, T425, and T440.
4. At least three additional courses, chosen from among the following, for a minimum of 12 credit hours: ANAT-A 464, BIOL-L 311, L312, L313, L317, L319, L321, L323, L324, L331, M250, M315, M350, M360, M430, M435, M440, M445, M460, M465, M480, M485, Z466, Z469, BIOT-T415, T490, CHEM-C 342, C343, C362, C483, or C484.
5. MATH-M 211 or M215 (or M119 and M120).
6. CHEM-C 117 and C127, C341, C342, A314, and A316.
7. One of the following statistics courses: MATH-K 310, PSY-K 300, LAMP-L 316, STAT-S 300 or S303, or SPEA-K 300. (Note that although SPEA-K 300 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours if the total hours allowed outside the College have been met.)
8. PHYS-P 201 and P202 or PHYS-P 221 and P222 (10 cr.).

Students must also complete the degree requirements for the B.S. degree in the College of Arts and Sciences.

Students who wish to complete a business minor or the Liberal Arts and Management Program (LAMP) certificate as part of their degree program are advised that they may need to take some of the relevant courses in the summer or in an additional semester. The College of Arts and Sciences allows students to take 20 credit hours outside the College that will count toward graduation. This allowance should also be taken into account when considering the business minor or the LAMP certificate.

## Minor in Biotechnology

Students pursuing the Minor in Biotechnology must complete at least 16 credit hours of course work as follows:

1. BIOL-M 250 Microbiology (3 cr.)
2. BIOT-T 310 Biotechnology Lecture (3 cr.)
3. At least 10 additional credit hours chosen from:
  - BIOT-T 301 Seminar in Biotechnology (1 cr.)
  - BIOT-T 312 Societal Issues in Biotechnology (3 cr.) P: BIOL-L 112.
  - BIOT-T 315 Biotechnology Laboratory (3 cr.)
  - BIOT-T 322 Biotechnology Writing and Communication (3 cr.)
  - BIOT-T 425 Laboratory in Molecular Production, Purification, and Characterization (3 cr.)
  - BIOT-T 440 Structure, Function, and Regulation of Biomolecules (3 cr.)
  - BIOT-T 490 Independent Research in Biotechnology (1-3 cr.)

## Departmental Honors Program

Outstanding students in any of the departmental degree programs are urged to fulfill the requirements for an honors degree. Since independent research is an integral part of the Biotechnology program, students must enroll in at least two semesters of BIOT-T 490 Individual Independent Research or equivalent. The

Undergraduate Advising Office should be consulted for other requirements, but in general, students completing course work with a minimum grade point average of 3.300, a senior thesis, the T490 credits, and, in some cases, a comprehensive examination or seminar, will be awarded a degree with honors. Honors students are urged to enroll in special honors courses and seminars offered by many departments in the College of Arts and Sciences.

## B.S./M.S. in Biotechnology

### General Requirements

Students must complete the following Foundations, Mathematics, CASE Intensive Writing, Foreign Language, Critical Approaches, Breadth of Inquiry, and Public Oral Communication requirements:

1. Writing, (English Composition, CASE Intensive Writing). Note: The CASE Intensive Writing (IW) requirement is satisfied by an IW class of BIOT-T 322. Note: To avoid schedule conflicts, Biotechnology students should enroll in an IW class of T322 as soon as they complete course prerequisites.
2. Mathematics, fulfilled by major.
3. Foreign language, three semesters in the same language or equivalent proficiency.
4. One Critical Approaches course—students are advised to choose a course that will serve as one of the required arts and humanities or social and historical studies courses listed below.
5. Arts and humanities, two courses.
6. Social and historical studies, two courses.
7. Natural and mathematical sciences, fulfilled by major.
8. One Public Oral Communication course.

### Core Undergraduate Requirements

Students should apply for admission to the B.S./M.S. degree program between their sophomore and junior years, and must complete the following with a minimum grade of C- in each course and a minimum major grade point average of C (2.000):

1. BIOL L112 and L211.
2. Either (a) BIOL M250 and M255 or (b) BIOL M430 and/or M435.
3. BIOT T301, T310, T312, T315, T322, T425/T525, and T440/T540. (17 cr.)
4. At least 12 credit hours of BIOT-T490 Independent Research
5. MATH M211 or M215 (or M119 and M120).
6. CHEM C117-C127, C341, C342, A314, and A316 (15 cr.)
7. One of the following statistics courses: MATH K310, PSY K300, LAMP L316, STAT S300 or S303, or SPEA K300. (Note that although SPEA K300 fulfills the statistics requirement, it does not count toward College of Arts and Sciences credit hours if the total hours allowed outside the College have been met.)
8. PHYS P201-P202 or P221-P222 (10 cr.).

**Note:** Students who need to satisfy the Foundations, Mathematics, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements through course work will

need approximately 98 credit hours to complete all of the requirements listed in the statement above. Students who bring to college study a proficiency in foreign language and completion of the English Composition requirement may be able to satisfy all requirements with 90 credits. Students who bring other competencies that would result in prerequisites being waived might be able to complete these requirements with fewer than 90 credits. In all cases, however, a student must have completed a minimum of 90 credit hours in the College (including electives if necessary) and all requirements listed above before beginning graduate-level course work.

### **Graduate Requirements**

In addition to the above undergraduate course requirements for the B.S. component of this program, accelerated B.S./M.S. degree students must complete all graduate course work with a minimum grade of B- or above. A minimum grade of B is necessary to remain in good standing in the Graduate School.

For specific graduate course requirements for the M.S. in Biotechnology, please see the University Graduate School *Bulletin*.

## **B.S. in Biotechnology/J.D. 3+3 Program**

### **Required Courses**

Students who are admitted to the IU Bloomington Maurer School of Law after completing a minimum of 90 credit hours in the College of Arts and Sciences, and who have satisfied the Foundations, Mathematics, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, Public Oral Communication, and major concentration requirements for the B.S. in Biotechnology degree program, may apply up to 30 credit hours earned their first year in the law school as electives and, at the end of that year (with a minimum of 120 credit hours), earn the B.S. in Biotechnology degree.

Note: Students who need to satisfy the Foundations, Mathematics, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements through course work will need approximately 106 credit hours to complete all of the requirements listed in the statement above. Students who bring to college study a proficiency in foreign language and completion of the English Composition requirement may be able to satisfy all requirements with 90 credits. Students who bring other competencies that would result in prerequisites being waived might be able to complete these requirements with fewer than 90 credits. In all cases, however, a student must have completed a minimum of 90 credit hours in the College (including electives if necessary) and all requirements listed above to be eligible for this special arrangement.

## **Course Descriptions**

### **Biotechnology**

**BIOT-T 301 Seminar in Biotechnology (1 cr.)** P: BIOL-L 112. Outside speakers from the biotechnology industry present students with the latest research developments, information about career opportunities, and internship possibilities. Students will write a paper on each seminar, discussing what they have learned and how this

knowledge affects their career decisions. May be repeated for a maximum of 4 credit hours in BIOT-T301 or BIOL-T301.

**BIOT-T 310 Biotechnology Lecture (3 cr.)** P: BIOL-L 211. C: BIOT-T315. Application of microbial diversity in biotechnology; synthesis of macromolecules; principles of gene expressions; gene cloning; protein engineering, overexpression and purification; genomics; proteomics; bioinformatics. Credit given for only one of BIOT-T310 or BIOL-T310.

### **BIOT-T 312 Societal Issues in Biotechnology (3 cr.)**

P: BIOL-L 112. Consideration of the effects of recent advances in biotechnology on human affairs and the environment. Credit given for only one of BIOT-T312 or BIOL-T312.

**BIOT-T 315 Biotechnology Laboratory (3 cr.)** P: BIOL-L 211. C: BIOT-T 310. Students use a problem-based approach to gene cloning; for example, cloning the gene for an industrially important enzyme, alpha-amylase from *Bacillus licheniformis*. In this example, students would purify alpha-amylase from *Bacillus licheniformis* and affinity-tagged alpha-amylase overproduction clone for purification and compare the activity of the purified proteins. Credit given for only one of BIOT-T315 or BIOL-T315.

### **BIOT-T 322 Biotechnology Writing and Communication (3 cr.)**

P: Completion of the English composition requirement; BIOL L211; BIOL-M 315 or CHEM C 343. Students learn oral and written scientific communications as appropriate in biotechnology. Topics include figures and tables, technical talks, reading and writing scientific publications, and writing industrial-style documents, including standard operating procedures and study protocols. Peer and instructor review will aid learning. Credit given for only one of BIOT-T322 or BIOL-T322.

### **BIOT-T 410 Special Topics in Biotechnology (2-3 cr.)**

P: May vary. Will be listed on the Schedule of Classes prior to registration. Topics will vary but will not be related to course content of other courses. May be repeated for a maximum of 6 credit hours for any combination of BIOT-T 410 and BIOL-L 410.

**BIOT-T 415 Theory and Applications of Biotechnology Laboratory I (3 cr.)** P: One of the following: BIOT T315, BIOL M315, M360, L311, L319, L323, L324, L373, or M435. In-depth application of advanced laboratory techniques currently used in biotechnology. Course is divided into three modules, each emphasizing a specific discipline within biotechnology. General laboratory techniques are taught in all modules. Credit given for only one of BIOT-T415 or BIOL-T415.

**BIOT-T 425 Laboratory in Macromolecular Production, Purification, and Characterization (3 cr.)** P: CHEM C341 and one of the following: BIOT T315, BIOL M315, M360, L319, L323, L324, L373, or M435. Develops a working knowledge of a variety of fundamental and advanced protein techniques used in industry, focusing on expression, purification, and characterization. Increases competence in quantitative analysis, data interpretation, problem-solving, scientific writing, and time management. Credit given for only one of BIOT-T 425 or BIOL-T 425.

**BIOT-T 440 Structure, Function, and Regulation of Biomolecules (3 cr.)** P: CHEM-C 341. Survey of the structure, function, and regulation of biomolecules as related to the pharmaceutical and biotechnological industries. Some focus on problem solving and applications for product development. Credit given for only one of BIOT-T440 or BIOL-T440.

**BIOT-T 490 Independent Research in Biotechnology (1-3 cr.)** P: Minimum 2.500 GPA and written permission of supervising instructor. Directed research opportunities for undergraduates in faculty research laboratories. Provides experience with state-of-the-art methodologies, instrumentation and approaches in biotechnology. May be repeated for a maximum of 12 credit hours.

## Central Eurasian Studies

### Introduction

The Department of Central Eurasian Studies (CEUS) offers a wide range of courses designed to promote a multi-disciplinary training in the languages, histories, cultures, economies, geopolitics and international relations of one or more Central Eurasian regions of specialization. The Department covers contemporary and historical regions of critical significance, such as Tibet, the Central Asian Muslim republics, Afghanistan, Iran, Turkey, Hungary and the Baltics. Faculty in the Department conduct research and teach classes on such diverse topics as The Silk Road, the Mongol Conquest, the Dalai Lamas, Iranian Kings and Prophets, and Empire and Ethnicity in the Soviet and post-Soviet world.

Students may count most of the department's courses toward such specific requirements of the College's bachelor's degree as Breadth of Inquiry credit in arts and humanities or social and historical studies, culture studies, and foreign language. The major is open to and attracts students from all disciplines and schools.

Two- and three-year sequences are offered in the following languages: Estonian, Finnish, Hungarian, Mongolian, Persian, Tibetan, Turkish, Uyghur, and Uzbek. Students should contact the department for information about additional offerings, including summer language opportunities.

The Department of Central Eurasian Studies is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

### Contact Information

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### Faculty

#### Chairperson

- Jamsheed Choksy

#### Ottoman and Modern Turkish Studies Professor

- Kemal Silay

#### Professors

- Christopher Beckwith
- Jamsheed Choksy
- Devin DeWeese
- György Kara
- Toivo U. Raun
- M. Nazif Shahrani
- Kemal Silay

#### Associate Professors

- Christopher Atwood
- Gardner Bovingdon
- Lynn Hooker
- Paul Losensky
- Elliot Sperling
- Ron Sela

#### Assistant Professor

- Kathryn Graber
- Oner Ozcelik

#### Professors Emeriti

- İlhan Basgoz
- Gustav Bayerle
- Yuri Bregel
- William Fierman
- Mihály Szegedy-Maszák

#### Adjunct Professors

- Hans Peter Ibold (Journalism)
- Jason Mokhtarian (Jewish Studies, Religious Studies)
- Richard Nance (Religious Studies)
- Anne Pyburn (Anthropology)
- Kaya Sahin (History)
- Jonathan Schlesinger (History)
- Frances Trix (Anthropology, Linguistics)

#### Senior Lecturers

- Shahyar Daneshgar
- Tserenchunt Legden
- Gulnisa Nazarova
- Gedun Rabsal
- Valeria Varga
- Roman Zlotin

**John D. Soper Senior Lecturer**

- Malik Hodjaev

**Lecturers**

- Sibel Ariogul
- Piibi-Kai Kivik
- Mikko Taurama

**Academic Specialist**

- Edward Lazzerini

**Distinguished Scholar in Residence**

- Ajia L. Jumai Gyatso, Rinpoche

**Librarians**

- Akram Khabibullaev
- Wen-ling Liu

**Director of Graduate Studies**

- Lynn Hooker

**Director of Undergraduate Studies**

- Ron Sela

**Academic Advising**

- [jeashcra@indiana.edu](mailto:jeashcra@indiana.edu), Owen Hall, (812) 855-4538

**Major in Central Eurasian Studies****Requirements**

Students must complete department-approved courses, including:

1. One of the following introductory courses (3 cr.)
  - CEUS-R 290 Introduction to Central Asia, Mongolia, and Tibet
  - CEUS-R 292 Introduction to Turkic and Iranian Civilization
  - CEUS-R 294 Introduction to Hungary, Estonia, and Finland
2. One of the following tracks:

**Central Eurasian Studies**

Students must complete at least 30 credit hours, including two years of a Central Eurasian language\* through the intermediate level (8 cr.) and additional course work chosen in consultation with the Director of Undergraduate Studies or advisor.

**Language and Civilization**

Students must complete at least 31 credit hours to include an introductory course (see item 1 above) that corresponds to the Language of Specialization and at least four courses (12 cr.) above the 100-level, chosen in consultation with the Director of Undergraduate Studies or advisor. Students must also complete three years of a Language of Specialization\* through the advanced level (16 cr.).

3. A minimum of 18 credit hours at the 300–400 level.
4. At least 18 credit hours of course work on the Bloomington campus.

Students must complete the degree requirements of the College of Arts and Sciences.

\*Language courses that may count toward the major are Estonian, Finnish, Hungarian, Kazakh, Mongolian, Persian, Tibetan, Turkish, Uyghur, and Uzbek. Students

may complete Azerbaijani, Pashto, Tajik, and Turkmen only by exception—that is, only if they have transfer credits or pass a placement test in those languages.

**Note:** First-year language courses are not counted toward the major. Students may fulfill the language requirement of the major by completing or testing out of the intermediate or advanced level of a Central Eurasian language without taking the previous level(s) at Indiana University. In that case, no credit hours are counted toward the major for the levels not taken at Indiana University. The number of total credit hours required for the major remains the same; the missing credits must be fulfilled with elective courses in the department.

**Minor in Central Eurasian Studies****Requirements**

Students must complete at least 15 credit hours of Central Eurasian Studies (CEUS) or cross-listed courses, selected in consultation with the CEUS director of undergraduate studies, with a minimum GPA of 2.000. A minimum of 9 credit hours must be at the 300 level or above, and at least 9 credit hours of CEUS courses must be taken at the Bloomington campus. No more than 6 credit hours of non-CEUS cross-listed courses will be counted toward the minor.

**Minor in Central Eurasian Studies with Language Certification****Requirements**

Students must complete at least 15 credit hours of CEUS or cross-listed courses, selected in consultation with the CEUS director of undergraduate studies, with a minimum GPA of 2.000, including:

1. At least 6 credit hours in a CEUS language beyond the introductory level
2. At least 6 credit hours in non-language CEUS or cross-listed courses

A minimum of 9 credit hours must be at the 300 level or above, and at least 9 credit hours of CEUS courses must be taken at the Bloomington campus. No more than 6 credit hours of non-CEUS cross-listed courses will be counted toward the minor.

**Departmental Honors Program**

Outstanding students are eligible for admission to the CEUS honors program at the end of their junior year. Under the guidance of a faculty sponsor, students will complete an honors thesis as part of their Capstone Seminar (R491) during their senior year. The thesis underscores original and independent research and the use of sources in the student's language of specialization. Students then defend the thesis before an Honors Committee and should achieve a final thesis grade of A– or higher. To graduate with honors, students must maintain a minimum 3.300 cumulative and 3.500 major GPA. Interested students should consult the department's director of undergraduate studies.

**Course Descriptions****History, Civilization, or Other Culture Courses**

**CEUS-R 110 Central Asia: Cultures and Customs**  
**(3 cr.) CASE S&H, CASE GCC** Introduction to Central Asia, including Xinjiang and Mongolia, and Central Asian

peoples. Examines the fabled "Silk Road" and the diverse cultures, societies, and life-ways of this region: herders, farmers, caravan traders, and city-dwellers. Most of the population is Muslim and Turkic-speaking but other religions and languages are represented as well.

**CEUS-R 191 Introduction to Central Eurasia (3 cr.)**

**CASE S&H P:** Open only to freshmen and sophomores or by consent of instructor. Introduction to the history of the traditional Central Eurasian ("Inner Asian") peoples through lecture and film. Topics include Proto-Indo-Europeans, Silk Road, Attila, steppe empires, Dalai Lama, Manchu and Russian relations, and the re-emergence of Central Eurasia in the late twentieth century. Extensive use of films. Credit given for only one of R191 or U190.

**CEUS-R 199 Introductory Topics in Central Eurasian Studies (1-4 cr.)**

Variable title course for introductory topics in Central Eurasian studies. May be repeated with a different topic for a maximum of 9 credit hours in R199 and U320.

**CEUS-R 213 Islam in Central Asia (3 cr.) CASE**

**S&H, CASE GCC** This course surveys the history and contemporary status of Islam in Central Asia, a region shaped by engagement with Islamic religion and civilization for over a millennium, and marked recently by the interaction of traditional patterns of Muslim religious life with the impact of Russian, Soviet, and Chinese rule.

**CEUS-R 250 Introduction to the Ancient Near East (3 cr.) CASE S&H, CASE GCC**

Introduction to ancient Near Eastern and Central Asian cultures. Begins with early farming communities around 8000 B.C. and includes the Bronze Age and Iron Age kingdoms of Assyria, Babylonia, Iran, and Central Asia and the spread of Hellenism. Architectural and textual information used with visual aids. Credit given for only one of R250, U254, or NELC N245.

**CEUS-R 251 Post-Taliban Afghanistan and the War on Terror (3 cr.) CASE S&H, CASE GCC**

The September 11th attacks prompted the on-going "War on Terrorism" against Taliban-controlled Afghanistan. This course examines this conflict while focusing on Afghanistan as a multi-ethnic, modern nation-state ravaged by a century of internal colonialism and most recently by foreign invasions, proxy wars, and global terrorism. Credit given for only one of CEUS-R 251, ANTH-E 251, or NELC-N 251.

**CEUS-R 260 The Great Wall of China (3 cr.) CASE S&H**

Everyone knows of the Great Wall of China, but few know the real role walls played in China's strategy and defense against the nomads of Mongolia. This class introduces students to when, how, and why the wall was built and to the complex relations between China and the nomads.

**CEUS-R 270 The Civilization of Tibet (3 cr.) CASE**

**S&H, CASE GCC** Introduction to the diverse aspects of Tibetan civilization. Making extensive use of slides and other audiovisual materials, the course covers such topics as Tibet's literature, art, religion, society, history, and language. Strongly recommended for undergraduates intending to take higher-level courses in Tibetan studies. Credit given for only one of CEUS-R 270, CEUS-U 284 or INST-I 212.

**CEUS-R 281 Turkish Literature in Translation (3 cr.)**

Introduction to Turkish literature in translation, including Ottoman court literature, Turkish epic and troubadour poetry, and modern and contemporary Turkish literature. No previous knowledge of the Turkish language or its literature is required, but familiarity with Turkish or Middle Eastern literary traditions is helpful.

**CEUS-R 290 Introduction to Central Asia, Mongolia, and Tibet (3 cr.) CASE S&H, CASE GCC**

Central Asia, Mongolia, and Tibet have a unique legacy in the world today: nomads, Silk Road, Islam, Buddhism, Russo-Chinese rivalry, Communism, and resistance. This course will provide a broad overview of trends and issues in this crossroads of cultures and civilizations through a combination of lectures, discussions, and guest presentations.

**CEUS-R 291 Inner Asian Religious Beliefs (3 cr.)**

**CASE A&H, CASE GCC** Describes the diverse religious beliefs of Inner Asia (oasis Central Asia, Turkic nomads, Mongolia, Tibet), focusing on Islam, Buddhism, and native religions. Topics include world religions on the Silk Road, Islamic and Buddhist conversions, native religions and "shamanism," revivalist and modernizing movements, Communist and post-Communist liberalization. Credit given for only one of R291 or U292.

**CEUS-R 292 Introduction to Turkic and Iranian Civilization (3 cr.) CASE S&H, CASE GCC**

Introduction to the Turkic and Iranian peoples of Iran, Turkey, Afghanistan, and Central Asia. Introduces languages, literatures, and cultures; covers history, society, and economy with a focus on Islam and socio-political movements today. Includes guest lectures, films, museum visits, and musical and dance performances.

**CEUS-R 294 Introduction to Hungary, Estonia, and Finland (3 cr.) CASE S&H, CASE GCC**

Introduction to Hungary, Estonia, and Finland, three European nations whose peoples speak unique Uralic languages. Covers their culture and history as shaped by their Uralic heritage and by Germanic, Turkish, and Slavic conquerors. Focuses on national awakenings, independence, communism, and their role in Europe today.

**CEUS-R 299 Intermediate Topics in Central Eurasian Studies (1-4 cr.)**

Variable title course for intermediate topics in Central Eurasian studies. May be repeated with a different topic for a maximum of 9 credit hours in R299 and U320.

**CEUS-R 302 Finland in the Twentieth Century (3 cr.)**

**CASE S&H** In-depth study of modern Finnish history, stressing Russification; 1905 Revolution; independence; interwar period, the Winter War and the Continuation War; "Finlandization," economic miracle, and welfare state; changing role of women; Finland as part of Scandinavia; literature, art, and music; and membership in the European Union. Credit given for only one of R302 or U333.

**CEUS-R 304 Modern Finnish Literature (3 cr.)**

Examination of major works of modern Finnish literature in translation. Themes include urbanization, industrialization, independence, the individual and society, alcoholism, "the sixties," role of women, and influence of fine arts, music, performing arts, and film.

**CEUS-R 309 Topics in Baltic-Finnish Studies (3 cr.)**

Variable title course for topics in Baltic-Finnish studies. May be repeated with a different topic for a maximum of 9 credit hours.

**CEUS-R 310 Introduction to Central Asian History (3 cr.)**

**CASE S&H** Explores Central Asia's role in world history, in Islam, and as a link between East Asia, South Asia, the Middle East, and Eastern Europe. Readings in English translation.

**CEUS-R 311 Travelers and Explorers in Central Asia (3 cr.)**

**CASE S&H** Charts the exploration of Central Asia from China to Iran in the eighth through the nineteenth centuries. Uses primary sources in English translation to evaluate these travelogues as sources, comparing and contrasting medieval and modern, from insider and outsider perspectives.

**CEUS-R 312 Shrine and Pilgrimage in Central Asian Islam (3 cr.)**

**CASE A&H, CASE GCC** Surveys religious beliefs and activities involving shrines and pilgrimage to holy places in Muslim Central Asia, from beginning to present. Broadens understanding of how shrines served the religious needs of Central Asian Muslims and the relationship between shrine-centered religious life and "normative" religious practice. Credit given for only one of R312 or U392.

**CEUS-R 313 Islam in Soviet Union and Successor States (3 cr.)**

**CASE A&H, CASE GCC** Surveys Islam and Muslim communities in areas of the former U.S.S.R. After basic coverage of Islam, Russian expansion, and their interaction, the course focuses on the pressures experienced by and exerted by Islam as a religion and socio-cultural system, with attention to religious life's adaptations to the Soviet and post-Soviet context. Credit given for only one of R313 or U394.

**CEUS-R 314 Islamization in Inner Asia (3 cr.)**

**CASE A&H, CASE GCC** Examines the distinctive character of Islam in Inner Asia, including religious change and "conversion," and geographic, ethnic, and political contexts. Explores cases of Islamization, emphasizing indigenous accounts and their significance in Islamic and Inner Asian patterns of religious meaning and ritual.

**CEUS-R 315 Politics and Society in Central Asia (3 cr.)**

**CASE S&H, CASE GCC** An introduction to Central Eurasia, especially the former Soviet Union, focusing on the 1980s and beyond. Main topics are politics, society, and economy; others include demography, Islam, women, and foreign policy. Credit given for only one of R315 or U395.

**CEUS-R 316 Peoples and Cultures of Central Asia (3 cr.)**

**CASE S&H, CASE GCC** Anthropology of former Soviet Central Asia and adjacent areas of Iran and Afghanistan. Topics include ecology, ethnohistory, subsistence traditions; kinship, gender, identities; religion; transformations under Russia, Iran, Afghanistan, and the war on terrorism. No previous knowledge presumed; background in anthropology helpful. Credit given for only one of R316, U398, or ANTH E398.

**CEUS-R 329 Topics in Central Asian Studies (3 cr.)**

Variable title course for topics in Central Asian studies. May be repeated with a different topic for a maximum of 9 credit hours.

**CEUS-R 330 Politics in Modern Xinjiang (3 cr.)**

Exploration of Xinjiang's politics from 1900 to the present, focusing on Islam, identity politics, immigration, language battles, cultural resistance, the Production and Construction Corps, political economy, and oil.

**CEUS-R 331 Grave Robbers, Missionaries, and Spies: Foreign Adventurers in Chinese Turkestan (3 cr.)**

From the nineteenth to the mid-twentieth centuries, the mysteries of Xinjiang (Chinese Turkestan) lured outsiders: missionaries, archaeologists, treasure hunters, adventurers, scouts, officials, and outright spies. Fortunately, many left readable accounts of their discoveries through which readers can explore both the region's attraction to outsiders and outsider influence on the region.

**CEUS-R 332 History of Xinjiang to 1911 (3 cr.)**

Introduction to the tumultuous history of Xinjiang, geographically part of Central Asia, but now under Chinese rule. Covers cultural, ethnic, religious, and geopolitical changes to 1911. Topics include ecology and economy; Uyghur, Chinese, Mongol, and Manchu empires; Islamization; the Jihaddist movement; and stirrings of nationalism.

**CEUS-R 333 Cultures and Civilization of Xinjiang (3 cr.)**

**CASE** Surveys Xinjiang (Chinese Turkestan) from prehistory to today: material life, languages, literature, arts, and religion. Considers the "mummy controversy," Xinjiang on the so-called Silk Road, Islamization, and cultural diversity today. Themes include cultural borrowing, "clash of civilization," and the politics of multiculturalism.

**CEUS-R 340 Introduction to Hungarian Studies (3 cr.)**

**CASE GCC** Introduction to major issues in Hungarian studies from the migration to the present. After a geographic survey, explores issues in Hungarian identity, with particular attention to issues of ethnicity, religion, and culture, both high and low.

**CEUS-R 342 Roma (Gypsy) History and Culture (3 cr.)**

**CASE S&H, CASE GCC** Europe's largest minority, the so-called "Gypsies," more properly the Roma, have been killed, hunted, and reviled; yet the exotic flavoring of "Gypsiness" has fascinated writers, artists, and composers. Surveys Roma history and representations. No background in East European studies, music, or film is required; readings are in English.

**CEUS-R 349 Topics in Hungarian Studies (1-4 cr.)**

Variable title course for topics in Hungarian studies. May be repeated with a different topic for a maximum of 9 credit hours.

**CEUS-R 351 Prophets, Poets, and Kings: Iranian Civilization (3 cr.)**

**CASE S&H, CASE GCC** Traces the history of Iranians from ancient times through the Arab conquest to today. Focuses on institutions, religious, secular and ecclesiastic hierarchies, minorities, devotional and communal change, and Iranian influences on Islam. Visual and archaeological aids used. No previous knowledge of subject matter required. Credit given for only one of R351 or U311.

**CEUS-R 352 Peoples and Cultures of the Middle East (3 cr.)**

**CASE S&H, CASE GCC** Ethnographic survey examines the social institutions and cultural forms in contemporary Middle Eastern societies (i.e., the Arab

world, Israel, Turkey, Iran, and Afghanistan). Topics include ecology; Islam; pastoral nomadism; agriculture and cities; colonialism and nation-states; tribalism, ethnicity, and gender; and modernization, oil wealth, labor migration, and social unrest. Credit given for only one of CEUS R352, CEUS U397, ANTH E397, or NELC N397.

**CEUS-R 354 Persian Literature in Translation (3 cr.) CASE A&H, CASE GCC** Study and analysis of selected readings from Persian literature in English translation. May concentrate on a particular theme, period, or author. Special attention paid to the historical and cultural contexts of the works, as well as problems in translation, critical analysis, and interpretation. May be repeated with a different topic for a maximum of 6 credit hours in R354, U372, and NELC N380.

**CEUS-R 359 Topics in Iranian Studies (3 cr.)** Variable title course for topics in Iranian studies. May be repeated with a different topic for a maximum of 9 credit hours in R359 and U399.

**CEUS-R 360 Modern Mongolia (3 cr.) CASE S&H, CASE GCC** Examines Mongolia's turbulent history from independence from China's last dynasty in 1911 through theocracy, revolution, and communism to today's market democracy. Also focuses on social, economic, cultural, and demographic changes. No prerequisite. Credit given for only one of R360 or U469.

**CEUS-R 361 Mongolia's Middle Ages (3 cr.) CASE S&H** Examination of Mongolia's "middle ages" between the Mongol world empire and the modern era, 1350 to 1850. Topics include the nobility, Oirats, Buddhist conversion, Manchu-Chinese rule, and Buriats and Kalmyks in Russia. Readings include modern histories and sources in translation.

**CEUS-R 362 Mongolian Civilization and Folk Culture (3 cr.) CASE GCC** Introduction to Mongolian traditional civilization: material culture (dwelling, clothing, food, warfare, hunting, animal husbandry, crafts, agriculture,), social and spiritual life (kinship, wedding, birth, names, childhood, races, medicine, death, folk religion, Buddhism, shamanism, values and taboos, omens), folk arts (music, oral literature, dance). Knowledge of Mongolian not required.

**CEUS-R 364 Shamanism and Folk Religion of the Mongols (3 cr.) CASE GCC** Examination of shamanism and its role in Mongol communities. Is it a religion? What is its relation to folk beliefs and world religions? Who becomes a shaman or what defines shamaness? What skills, tools, and techniques are necessary? Knowledge of Mongolian not required.

**CEUS-R 369 Topics in Mongolian Studies (3 cr.) CASE GCC** Variable title course for topics in Mongolian studies. May be repeated with a different topic for a maximum of 9 credit hours.

**CEUS-R 370 Introduction to the History of Tibet (3 cr.) CASE S&H, CASE GCC** Survey of Tibet's history from its beginning to present. Studies facets of Tibet's history including the Tibetan empire of the seventh to ninth centuries, the impact of Buddhism, Tibet's relations with neighboring peoples, the rise of the Dalai Lama, and current issues of Tibet. Credit given for only one of R370 or U483.

**CEUS-R 371 Tibet and the West (3 cr.) CASE S&H, CASE GCC** Examines Western perception of Tibet during the past 700 years and compares Tibetan civilization with popular conceptions that prevailed in the West during corresponding periods. Subjects include Tibet as "Shangri-La," reflected in such novels and films as *Lost Horizon*, along with Tibetan perceptions of Westerners and Western civilization. Credit given for only one of R371 or U489.

**CEUS-R 372 Sino-Tibetan Relations (3 cr.) CASE S&H, CASE GCC** Surveys interaction between Tibet and China from beginnings to the present, touching on political, cultural, economic, and religious links. Areas explored include the rise of Tibet as a dynamic empire competing with Tang China, religious links between Tibetan hierarchs and Chinese rulers, and conflict over Tibet's incorporation into China. Credit given for only one of R372 or U490.

**CEUS-R 373 The Religions of Tibet (3 cr.) CASE A&H** Surveys the history of Tibetan religions and their impact on Tibetan society and culture. Considers interactions between religions and politics and how they shaped public lifestyles, inspired movements, and molded identity through the centuries. Coverage is both chronological and thematic. Credit given for only one of R373 or U484.

**CEUS-R 379 Topics in Tibetan Studies (3 cr.)** Variable title course for topics in Tibetan studies. May be repeated with a different topic for a maximum of 9 credit hours.

**CEUS-R 380 Literature of the Ottoman Court in Translation (3 cr.)** Reading and analysis of representative literary texts of the Ottoman court—both poetry and prose. Introduction to various literary forms, such as gazel, kaside, mesnevi, tezkire and others, used by Ottoman authors. Uses the classical Ottoman canon as well as modern and contemporary theoretical approaches for interpretation.

**CEUS-R 382 Cultural History of the Ottoman Empire and Modern Turkey (3 cr.)** Introduction to the rich and varied cultures of Turkey, from Ottoman times to present. Considers issues such as literary and vernacular languages, women, Kemal Atatürk, Turkish Islam, education, Kurdish nationalism, and Turkey's relations with Europe. Turkish films and visual materials used with readings.

**CEUS-R 383 Ten Sultans, One Empire: Ottoman Classical Age, 1300–1600 (3 cr.) CASE S&H, CASE GCC** Traces the Ottoman Empire from its beginnings to its height under Suleyman the Magnificent. Themes include Turks before the empire, Asia Minor before the Turks, rival principalities, centralization, Ottomans as European and Middle Eastern, economy, society, religion, law, learning, ethnic/cultural diversity, and the "classical age" as a concept.

**CEUS-R 389 Topics in Turkish Studies (1-4 cr.)** Variable title course for topics in Turkish studies. May be repeated with a different topic for a maximum of 9 credit hours.

**CEUS-R 392 Uralic Peoples and Cultures (3 cr.) CASE S&H** Surveys the Uralic (Finno-Ugric and Samoyed) peoples of northern Europe and Siberia. Topics include their origins and history, traditional and modern cultures, ethnic and national identity, development and

modernization, and political independence and Russian rule. Also covers interrelations among Uralic peoples in the modern era. Credit given for only one of R392 or U370.

**CEUS-R 393 The Mongol Century (3 cr.) CASE S&H, CASE GCC** In-depth exploration of Chinggis Khan's Mongol Empire from its origins in the twelfth century in the continent-wide breakdown of the 1330s–1370s. Primary sources (Mongolian, Chinese, Middle Eastern, and European) in translation, including many of the medieval era's greatest histories and travelogues. Credit given for only one of R393 or U368.

**CEUS-R 394 Environmental Problems and Social Constraints in Northern and Central Eurasia (3 cr.) CASE S&H** Analyzes environmental and social conditions in the immense region of Northern and Central Eurasia (former Soviet Union). Covers general environmental and political situations; environmental transformation under Soviet rule; environmental and health problems; conclusions on current trends. Credit given for only one of R394 or U374.

**CEUS-R 395 Politics of Identity in China and Inner Asia (3 cr.)** Challenges the assumption that terms such as "Chinese," "Taiwanese," or "Kazakh" represent straightforward concepts. Via theories of identity, and careful attention to the history of China and Inner Asia, explores and explodes the association of identity and descent, language and ethnicity, citizenship and nationality.

**CEUS-R 399 Advanced Topics in Central Eurasian Studies (1-4 cr.)** Variable title course for topic in Central Eurasian studies. May be repeated with a different topic for a maximum of 9 credit hours in R399 and U320.

**CEUS-R 411 Ethnic History of Central Asia (3 cr.) CASE S&H** A survey of the formation of major ethnic groups inhabiting Central Asia and their traditional cultures. Examines how nomadic migrations, imperial policies, and nationalism have affected inter-ethnic relations as background to current ethnic issues in Central Asia. Credit given for only one of R411 or U496.

**CEUS-R 412 Central Asia under Russian Rule (3 cr.) CASE S&H** Survey of Russia and Central Asia's complex relations, covering Russian expansion in the sixteenth century, Russian conquest in the nineteenth century, socio-political developments, and the emergence of modern nations in the 1920s. Themes include mechanism of Empire, dynamics between conqueror and conquered, and colonial administration of Islamic peoples. Credit given for only one of R412 or U494.

**CEUS-R 413 Islamic Central Asia, Sixteenth–Nineteenth Centuries (3 cr.) CASE S&H, CASE GCC** Surveys Islamic Central Asia from the sixteenth century to the Russian conquest, especially Chinggisid Uzbek states and the "tribal" dynasties, but also East Turkestan to 1755, and nomadic Qasaqs, Qirghiz, Turkmens. Themes include political institutions, legitimization, nomads and sedentaries; ethnic developments; religion and culture; sources and historiography. Credit given for only one of R413 or U493.

**CEUS-R 414 The Yasavi Sufis and Central Asian Islam (3 cr.) CASE A&H, CASE GCC** Surveys the Yasavi Sufi tradition, famous for the magnificent shrine complex built

by Timur and the collection of Turkic mystical poetry ascribed to Ahmad Yasavi. There is much more to the Yasavi tradition, however, and it is an unparalleled window on the religious history of Islamic Central Asia. Credit given for only one of R414 or U393.

**CEUS-R 415 The Naqshbandi Sufi Tradition in Central Asia (3 cr.) CASE A&H, CASE GCC** Exploration of Sufism in Central Asia, challenges under Mongol rule, early founding figures, doctrinal profile and practices, and the subsequent history of the Naqshbandi communities in the modern era.

**CEUS-R 416 Religion and Power in Islamic Central Asia (3 cr.) CASE S&H, CASE GCC** Exploration of the roles of religious figures and institutions in sanctioning, exercising, and/or undermining political authority in Islamic Central Asia. Focuses on the political influence wielded by the local representatives of Islam's spiritual ideal, especially Sufi shaykhs and how they used their extraordinary socio-economic and political power. Credit given for only one of R416 or U498.

**CEUS-R 441 Art and Music of Nineteenth and Twentieth Century Hungary (3 cr.) CASE A&H, CASE GCC** The nineteenth and twentieth centuries saw the birth of Hungary's greatest artists and musicians, the development of national institutions in the arts, and debates over tradition versus innovation and Hungarian folk elements versus integration into Europe's artistic mainstream. Surveys these major developments in Hungarian visual art and music.

**CEUS-R 461 Mongolian Literature and Folklore (3 cr.)** P: Grade of C or higher in T262 or T364, or consent of the instructor. Overview of traditional Mongolian historiography and other Mongolian historical sources: secular and religious chronicles, genealogies, biographies, works, inscriptions, edicts, letters, and more, from Chinggis Khan's time to the early twentieth century. A selection of sources of various genres are read, translated, and analyzed, and their interpretations discussed.

**CEUS-R 462 Modern Inner Mongolia (3 cr.) CASE S&H** Exploration of Inner Mongolia's history from 1850 to present. Themes include Inner Mongolia as a bi-ethnic borderland, demography, the "New Schools Movement," pan-Mongolism, land reform, development, and the environment. Includes issues of ethnicity, state-building, and globalization in both Inner Asian and Chinese contexts.

**CEUS-R 467 Mongolic Writing Systems (3 cr.)** P: Grade of C or higher in T364, or consent of the instructor. Examines the writing systems used by medieval and modern Mongolic peoples; the origins, functions, and classifications of scripts and their relation to religion and statehood. Introduction to the Kitan, Uyghur, 'Phags-pa, Galik, Oirat, and other scripts, and to Mongolic in Manchu, Tibetan, Latin, Cyrillic, and Arabic alphabets.

**CEUS-R 491 Capstone Seminar in Central Eurasian Studies (3 cr.)** P: CEUS major with senior standing; consent of supervising faculty. Requires the preparation of an original thesis or research project that brings together the student's interests, region, and language of specialization and demonstrates accumulated training

in the field. The project must be produced under the supervision of a faculty member.

**CEUS-R 493 Theorizing Central Eurasia: The Problems of Nationalism (3 cr.)** An introduction to nationalism in Central Eurasia, and to its key works and questions. How are nations related? Are nations imagined and invented or ancient and enduring? Are nationalism, communism, and religiosity necessarily opposed? Are indigenous nationalisms more authentic than "official nationalisms"? Is Central Eurasian nationalism a "derivative discourse," imported from somewhere?

**CEUS-R 494 Uralic Linguistics (3 cr.)** Studies linguistics of the Uralic language family (Hungarian, Finnish, Estonian, and other languages in Russia), beginning with the proto-Uralic and relationships among Uralic languages. Focus is on topics such as agglutination, vowel harmony, complex locative case systems, and sociolinguistics of Uralic languages in Russia.

### Language Courses

#### Azerbaijani

**CEUS-T 183 Introductory Azerbaijani I (4 cr.)** Stresses a communicative/interactive approach. Students learn to handle basic everyday situations, such as greetings, asking for information, buying things, travel, phone calls, and writing letters. A portion of each class day is devoted to cultural aspects of Azerbaijani society. Credit given for only one of T183 or U105.

**CEUS-T 184 Introductory Azerbaijani II (4 cr.)** P: Grade of C or higher in T183 or U105, or equivalent proficiency. Continues language learning introduced in T183. Credit given for only one of T184 or U106.

**CEUS-T 283 Intermediate Azerbaijani I (4 cr.)** P: Grade of C or higher in T184 or U106, or equivalent proficiency. Uses free discourse, prompted discussions, interviews, team activities, oral presentations, written exercises, video-based discussions, and grammar drills to expand first-year skills. Classes are taught in Azerbaijani with only some grammatical explanations or spot translations in English. Authentic Azerbaijani language materials are used throughout the course. Credit given for only one of T283 or U205.

**CEUS-T 284 Intermediate Azerbaijani II (4 cr.)** P: Grade of C or higher in T283 or U205, or equivalent proficiency. Continues skills learned in previous course work. Credit given for only one of T284 or U206.

#### Estonian

**CEUS-T 103 Introductory Estonian I (4 cr.)** Assumes no previous knowledge of Estonian. Emphasizes oral communication with attention to reading, writing, speaking, and listening. With basic vocabulary and structures, students can talk about themselves and immediate surroundings, interact in service encounters, read short texts and write notes. Introduction to Estonian culture. Credit given for only one of T103 or U111.

**CEUS-T 104 Introductory Estonian II (4 cr.)** P: Grade of C or higher in T103 or U111, or equivalent proficiency. Uses a communicative approach to introduce Estonian pronunciation and basic grammar (morphology and syntax), and teach vocabulary and structures for everyday conversation. Textbooks, audio- and videotapes, and authentic materials (newspapers, schedules,

advertisements, the Internet) used to enhance learning and provide cultural information. Credit given for only one of T104 or U112.

**CEUS-T 203 Intermediate Estonian I (4 cr.)** P: Grade of C or higher in T104 or U112, or equivalent proficiency. Builds on skills acquired in introductory courses. First year topics are reviewed in more detail and new topics, such as seasons, holidays, traditions, and customs are added. Longer reading texts are introduced. Video materials train listening comprehension. Development of conversation skills beyond the structured exchanges of the introductory level. Credit given for only one of T203 or U211.

**CEUS-T 204 Intermediate Estonian II (4 cr.)** P: Grade of C or higher in T203 or U211, or equivalent proficiency. Finishes covering Estonian structures (morphology and syntax) and develops skills by reading, conversation, discussion, oral presentations, a weekly journal and short essays, and listening. Materials used to introduce Estonian culture include current press sources (print and Internet), short fiction, poetry, documentaries, feature films, and news programs. Credit given for only one of T204 or U212.

**CEUS-T 303 Advanced Estonian I (4 cr.)** P: Grade of C or higher in T204 or U212, or equivalent proficiency. Builds students' confidence as language users via class discussion of newspaper articles, fiction and poetry, class presentations, journal entries, summaries of articles, film and news clips, short essays, TV broadcasts, and audiotape recordings. Focuses on structures of formal written Estonian and different registers of oral production.

**CEUS-T 304 Advanced Estonian II (4 cr.)** P: Grade of C or higher in T303 or equivalent proficiency. Consolidates students' knowledge of Estonian structure, and adds to vocabulary, especially in students' areas of interest. While speaking, reading, listening, and writing are developed, this course has more emphasis on reading and writing. Independent work and student contribution a must; class is tailored to individual interests.

#### Finnish

**CEUS-T 101 Introductory Finnish I (4 cr.)** An introduction to Finnish for students with no previous knowledge of Finnish language. Emphasizes skills for everyday situations in Finland. Aids understanding of simple spoken Finnish for familiar topics and the main points of brief messages. Students also study Finnish culture and history. Credit given for only one of T101 or U121.

**CEUS-T 102 Introductory Finnish II (4 cr.)** P: Grade of C or higher in T101 or U121, or equivalent proficiency. Concentrated practice in Finnish pronunciation, grammar, elementary conversation, reading, and writing. Increase of vocabulary. Credit given for only one of T102 or U122.

**CEUS-T 201 Intermediate Finnish I (4 cr.)** P: Grade of C or higher in T102 or U122, or equivalent proficiency. Geared to students who know the basics of Finnish to communicate in situations related to study, work, and leisure, while learning specific issues of Finnish culture and history. Methods are learner centered, communicative and often problem-based. Credit given for only one of T201 or U221.

**CEUS-T 202 Intermediate Finnish II (4 cr.)** P: Grade of C or higher in T201 or U221, or equivalent proficiency. Continues and reinforces language skills learned in T201 or U221. Credit given for only one of T202 or U222.

**CEUS-T 301 Advanced Finnish I (4 cr.)** P: Grade of C or higher in T202 or U222, or equivalent proficiency. Teaches advanced skills desirable for academia and work. The goal is to communicate effectively in demanding oral and written situations, and to handle both writing and speech on demanding topics. Also widens knowledge of Finnish culture and history.

**CEUS-T 302 Advanced Finnish II (4 cr.)** P: Grade of C or higher in T301 or equivalent proficiency. Teaches advanced skills desirable for academic life and work. Teaches effective communication in demanding oral and written situations, and an understanding of writing and speech on demanding topics. Also widens knowledge of Finnish culture and history.

### Hungarian

**CEUS-T 141 Introductory Hungarian I (4 cr.)** Enables students to converse about basic topics, meet basic communicative needs, and read and write short texts with simple sentence patterns and everyday topics. Students learn to use fundamental Hungarian structures with comfort and confidence while learning about Hungarian lifestyle, society, and culture. Credit given for only one of T141 or U131.

**CEUS-T 142 Introductory Hungarian II (4 cr.)** P: Grade of C or higher in T141 or U131, or equivalent proficiency. Daily classes focus on listening to and conducting conversations, intonation exercises, grammar exercises, and writing simple dialogues and essays. Topics include travel, work, housing, shopping, post office, bank, and family. Introduction of important possessive structures and sentences as well as verb conjugations. Credit given for only one of T142 or U132.

**CEUS-T 241 Intermediate Hungarian I (4 cr.)** P: Grade of C or higher in T142 or U132, or equivalent proficiency. Helps students converse more fluently about personal and simple academic topics, articulate feelings and opinions, read short literary and scholarly texts, and write for basic personal, business, and academic purposes. Authentic texts and video teach about the lifestyle and socio-historical facts of Hungary. Credit given for only one of T241 or U231.

**CEUS-T 242 Intermediate Hungarian II (4 cr.)** P: Grade of C or higher in T241 or U231, or equivalent proficiency. Helps students converse more fluently about personal and simple academic topics, articulate their feelings and opinions, read short literary and scholarly texts, and write for basic personal, business, and academic purposes. Authentic texts and video teach about Hungary. Moderately complex grammatical forms are introduced. Credit given for only one of T242 or U232.

**CEUS-T 341 Advanced Hungarian I (4 cr.)** P: Grade of C or higher in T242 or U232, or equivalent proficiency. Assumes four semesters of Hungarian and substantial knowledge of grammar, syntax, and vocabulary. Enables students to converse about moderately complex personal, social, and academic topics; to read and understand a full

range of literary genres; and to write and translate to meet most personal and academic needs.

**CEUS-T 342 Advanced Hungarian II (4 cr.)** P: Grade of C or higher in T341 or equivalent proficiency. Students continue to learn how to converse about moderately complex personal, social, and academic topics; read and understand a range of genres; and write and translate for personal and academic needs. Through readings, students extend vocabulary and develop a more academic style for conversation and writing.

### Iranian

**CEUS-T 356 Middle Iranian Languages (3 cr.)** P: Permission of instructor. Variable title course used to introduce one or more of the following Iranian languages dating from the first to the twelfth centuries: Middle Persian (Pahlavi), Middle Parthian and Manichaean Middle Persian, Sogdian, or Bactrian and Saka. Documents are drawn from manuscripts, manuscript fragments, and/or inscriptions. May be repeated with a different topic for a maximum of 12 credit hours.

### CEUS-T 358 Old Iranian Languages (3 cr.)

P: Permission of instructor. Variable title course covers alphabets, grammar, vocabulary, reading, translation, and analysis of texts in one or more of the following Old Iranian languages: Avestan and Old Persian. Examination of religious and sociopolitical documents from the eighteenth to the first centuries B.C.E. through manuscripts and inscriptions. May be repeated with a different topic for a maximum of 6 credit hours.

### Kazakh

Kazakh is the national language of Kazakhstan. It is a Turkic language.

**CEUS-T 113 Introductory Kazakh I (4 cr.)** No previous knowledge of Kazakh required. Introduction to basic communication skills in Kazakh. Upon finishing, students will be able to use Kazakh in basic communicative contexts. Readings, class discussions, listening activities adapted from Kazakh language media programs. Films and extracurricular activities develop awareness of Kazakh culture. Credit given for only one of T113 or U175.

**CEUS-T 114 Introductory Kazakh II (4 cr.)** R: Grade of C or higher in T113 or U175, or equivalent proficiency. Continues basic communication skills and basic grammar of T113 needed to master simple to complex sentences. Kazakh language media programs, film viewing, and cultural activities develop awareness of Kazakh culture. Credit given for only one of T114 or U176.

**CEUS-T 213 Intermediate Kazakh I (4 cr.)** P: Grade of C or higher in T212 or U176, or equivalent proficiency. Builds on and extends the foundation established in introductory level to improve basic language skills: speaking, reading, writing, listening. Primary goal is to improve communicative competence and to enable learners to handle a variety of immediate everyday situations related to academic life. Credit given for only one of T213 or U275. Credit given for only one of T213 or U275.

**CEUS-T 214 Intermediate Kazakh II (4 cr.)** P: Grade of C or higher in T213 or U276, or equivalent proficiency. Students learn to use Kazakh in everyday situations and for purposes related to work and social life. Lessons are

in Kazakh only, except for some grammar analogues. Components include grammar structures, small texts, vocabulary, listening activities, and writing exercises. Credit given for only one of T214 or U276. Credit given for only one of T214 or U276.

**CEUS-T 313 Advanced Kazakh I (4 cr.)** P: Grade of C or higher in T214 or U276, or equivalent proficiency. Familiarizes students with key parts of life in contemporary Kazakhstan. While improving speaking, listening, reading, and writing skills, students also do occasional translations. Builds on previous knowledge with stimulating and challenging activities, such as listening to narratives and radio interviews, and forges accurate and fluent communication skills.

**CEUS-T 314 Advanced Kazakh II (4 cr.)** P: Grade of C or higher in T313 or equivalent proficiency. Further introduction to contemporary Kazakhstan. New vocabulary enables learners to communicate in different situations, purposes, and roles. Listening materials include narratives, radio interviews, "Cenasianet" language programs, Kazakh fiction, and newspapers.

### Mongolian

Mongolian is the national language of Mongolia and is also spoken in northern China.

**CEUS-T 161 Introductory Mongolian I (4 cr.)** Introduction to Modern Mongolian in the Cyrillic script and to basic Mongolian pronunciation and grammar, along with knowledge of Mongolian culture and traditions. Students learn to conduct everyday conversations and use Mongolian's main cases and verb tenses in conversation and writing. Credit given for only one of T161 or U141.

**CEUS-T 162 Introductory Mongolian II (4 cr.)** P: Grade of C or higher in T161 or U141, or equivalent proficiency. Expands the competencies mastered in T161. Students use the main cases and finite verb tenses, as well as some modals (converbs) and simple compound sentences. Students also learn about Mongolian culture by reading simple folktales. Credit given for only one of T162 or U142.

**CEUS-T 261 Intermediate Mongolian I (4 cr.)** P: Grade of C or higher in T162 or U142, or equivalent proficiency. Expands the basic Mongolian conversation, grammar, reading, and writing skills mastered in first year. Introduces the most useful kinds of compound and complex sentences and develops skills to use them in conversation and writing. Furthers knowledge of Mongolian culture and tradition. Credit given for only one of T162 or U142.

**CEUS-T 262 Intermediate Mongolian II (4 cr.)** P: Grade of C or higher in T261 or U241, or equivalent proficiency. Expands basic Mongolian conversation, grammar, reading, and writing skills. Introduces the most useful kinds of compounds and complex sentences and voice infixes in conversation and writing. Furthers knowledge of Mongolian culture and tradition. Credit given for only one of T262 or U242.

**CEUS-T 361 Advanced Mongolian I (4 cr.)** P: Grade of C or higher in T262 or U242, or equivalent proficiency. Review of compound and complex sentences. Develops a sense of Mongolian literary style through the reading of diverse materials. In-class oral presentations, discussions,

and role-play increase fluency. Translation exercises enhance knowledge of Mongolian culture and history.

**CEUS-T 362 Advanced Mongolian II (4 cr.)** P: Grade of C or higher in T361 or equivalent proficiency. Development of a sense of Mongolian literary style through the reading of diverse materials; improvement of fluency by oral presentations, class discussions, and role-playing; practice of formal translation using Internet and newspaper materials. Further develops knowledge of Mongolian culture and literary history.

**CEUS-T 363 Classical Mongolian I (3 cr.)** P: Grade of C or higher in T262 or U242, or permission of instructor. Introduction to classical Mongolian and its relation to living, spoken languages and dialects. Topics include the Mongolian vertical script, its origin, graphemes and allographs, vowel and consonantal graphemes, orthography, punctuation, numbers, a skeletal grammar, word formation, syntax. Format is reading, analyzing, and translating texts in transcription and original script.

**CEUS-T 364 Classical Mongolian II (3 cr.)** P: Grade of C or higher in T363 or permission of instructor. Reading and interpreting various old and new classical Mongolian texts in Uyghur script; grammatical analysis and translation into modern Mongolian and English.

### Pashto

**CEUS-T 153 Introductory Pashto I (4 cr.)** Introduction to the Pashto language of Afghanistan. By practicing listening, speaking, reading, and writing, students become familiar with the alphabet and sound system, basic structures, and ordinary usage. By the end of the semester, students will have mastered simple sentences and can ask and answer simple questions on familiar topics.

**CEUS-T 154 Introductory Pashto II (4 cr.)** P: Grade of C or higher in T153 or equivalent proficiency. Strengthens and improves skills gained in T153. Students move into new topics such as personal information, daily activities, and expanded grammar structures. By the end of the course, students can read simple prose texts, deal with everyday situations, and respond to requests on familiar topics.

**CEUS-T 253 Intermediate Pashto I (4 cr.)** P: Grade of C or higher in T154 or equivalent proficiency. Improves communicative skills in order to meet ordinary social situations and express interests and personal needs such as inquiring about one's surroundings, getting directions, buying food, and going out to eat. By the end of the semester, students can communicate and ask questions about familiar topics using learned grammatical structures.

**CEUS-T 254 Intermediate Pashto II (4 cr.)** P: Grade of C or higher in T253 or equivalent proficiency. Improves language skills by extending the scope of topics. Introduces materials concerning various social interactions, current daily life, and Pashtun culture. Extends grammatical and lexical knowledge through the use of a wide variety of stimulating and challenging activities. By the end of the semester, the student can converse with confidence on topics of routine tasks and in social situations.

**CEUS-T 353 Advanced Pashto I (4 cr.)** P: Grade of C or higher in T254 or equivalent. Students participate in

exchanges about work and home, converse on many familiar topics, narrate and describe in all tenses (past, present, future), and read texts of medium complexity. Course materials related to the Pashtunwali: customs, commerce, news channels in Afghanistan, and more.

### Persian

Persian is the national language of Iran. It is also widely spoken in Afghanistan and Tajikistan.

**CEUS-T 151 Introductory Persian I (4 cr.)** No previous knowledge of Persian required. Introduces basic communication skills in modern standard Persian and familiarizes students with Persian's sounds, alphabet, and basic grammar. Students learn to read, write, speak, and comprehend simple to moderately complex sentences. Readings, class conversations, media programs, film viewing, and cultural activities introduce Persian cultures. Credit given for only one of T151 or U177.

**CEUS-T 152 Introductory Persian II (4 cr.)** P: Grade of C or higher in T151 or U177, or equivalent proficiency. Continues Introductory Persian I. Further work on basic sentence structure to develop greater fluency in pronunciation, reading, and writing. With the aim of a working vocabulary of 700 words, students study compound verbs and other idiomatic expressions. Internet resources used extensively. Credit given for only one of T152 or U178.

**CEUS-T 251 Intermediate Persian I (4 cr.)** P: Grade of C or higher in T152 or U178, or equivalent proficiency. Covers a wide range of topics and intermediate to advanced grammar. Credit given for only one of T251 or U277.

**CEUS-T 252 Intermediate Persian II (4 cr.)** P: Grade of C or higher in T251 or U277, or equivalent proficiency. Concentrates on complex grammatical structures and vocabulary acquisition with emphasis on reading and writing skills, and fluency in modern colloquial pronunciation (Tehran dialect). Studies texts drawn from modern Iranian publications, authentic materials, and Internet resources. Credit given for only one of T252 or U278.

**CEUS-T 351 Advanced Persian I (4 cr.)** P: Grade of C or higher in T252 or U278, or equivalent proficiency. Students examine the classical Persian tradition's rich legacy of historical, literary, and religious writings and learn the grammatical and lexical differences distinguishing classical from modern Persian. Introduction to basic research tools and reference works. Readings cover the range of classical Persian texts.

**CEUS-T 352 Advanced Persian II (4 cr.)** P: Grade of C or higher in T351 or equivalent proficiency. Continues and builds upon skills learned in T351.

**CEUS-T 359 Research in Classical Persian Texts (3 cr.)** P: Grade of C or higher in T352 or permission of instructor. The classical Persian tradition holds a distinguished place in human thought and culture. This course introduces students to aspects of that rich legacy. Students learn to distinguish classical Persian from modern Persian, and master research tools and reference works. Readings reflect a range of classical Persian texts.

### Tajik

Tajik is the national language of Tajikistan and is widely spoken in Uzbekistan and Afghanistan. It is an Iranian language.

**CEUS-T 115 Introductory Tajik I (4 cr.)** Introduction to the language and culture of the Tajiks of Tajikistan and Uzbekistan. Teaches basic speaking skills: simple greetings and conversation, handling basic survival needs, such as reading signs and short narratives, completing forms, and taking messages. Introduction to the culture of Tajikistan.

**CEUS-T 116 Introductory Tajik II (4 cr.)** P: Grade of C or higher in T115 or equivalent proficiency. Continues and expands knowledge from T115.

**CEUS-T 215 Intermediate Tajik I (4 cr.)** P: Grade of C or higher in T116 or equivalent proficiency. Uses the communicative approach to enable learners to interact successfully in everyday and workplace situations. Authentic Tajiki language materials include videos, audiotapes, and printed texts. Focused drills present grammatical structures; explanations and paradigms are minimized. Materials also familiarize students about life for Tajiks.

**CEUS-T 216 Intermediate Tajik II (4 cr.)** P: Grade of C or higher in T215 or equivalent proficiency. Continues and expands knowledge from T215.

### Tibetan

**CEUS-T 171 Introductory Tibetan I (4 cr.)** Introduces Tibetan language basics to students with no previous background in Tibetan. Students begin speaking, listening, reading, and writing basic grammar, building vocabulary, and developing idiomatic usage needed in everyday communication. Introduction to Tibetan culture and daily life. Credit given for only one of T171 or U151.

**CEUS-T 172 Introductory Tibetan II (4 cr.)** P: Grade of C or higher in T171 or U151, or equivalent proficiency. Further introduction to the basics of Tibetan language through the use of daily written, reading, and audio home assignments. Conversation preparation required. Coffee hours enable students to talk to Tibetan native speakers. Credit given for only one of T172 or U152.

**CEUS-T 271 Intermediate Tibetan I (4 cr.)** P: Grade of C or higher in T172 or U152, or equivalent proficiency. Further develops skills in Tibetan for effective communication. Speaking, listening, reading, and writing skills are developed throughout the course with attention to grammar. Special attention to classical Tibetan readings. Credit given for only one of T271 or U251.

**CEUS-T 272 Intermediate Tibetan II (4 cr.)** P: Grade of C or higher in T271 or U251, or equivalent proficiency. Further develops skills with basic features of Tibetan language. Materials such as short stories and articles used for writing and reading assignments. Credit given for only one of T272 or U252.

**CEUS-T 371 Advanced Tibetan I (4 cr.)** P: Grade of C or higher in T272 or U252, or equivalent proficiency. Expands knowledge of grammar with reading and composition exercises, and translation of general texts from Tibetan into English. Focuses on reading in modern and classical Tibetan.

**CEUS-T 372 Advanced Tibetan II (4 cr.)** P: Grade of C or higher in T371 or equivalent proficiency. Further develops advanced skills for academic and professional work. Materials are selected from writings and translations of classical and modern Tibetan. Daily writing and translation assignments. Expands knowledge of Tibetan culture and history.

**CEUS-T 476 Readings in Modern Tibetan Texts (3 cr.)**

P: Grade of C or higher in T271 or U251, or equivalent proficiency and consent of instructor. Allows those interested in modern Tibetan language to improve their skills in handling literary Tibetan materials and documents produced in Tibetan areas of the Peoples' Republic of China and in exile. Credit given for only one of T476 or U488

**Turkish**

**CEUS-T 181 Introductory Turkish I (4 cr.)** Introduces English-speaking students to Turkish. Builds basic proficiency in modern Turkish for effective communication at beginning level in everyday situations. Listening, speaking, reading, and writing are covered in classroom activities and at-home practice. Establishes a solid linguistic and cultural foundation for future studies of Turkish. Credit given for only one of T181 or U161.

**CEUS-T 182 Introductory Turkish II (4 cr.)** P: Grade of C or higher in T181 or U161, or equivalent proficiency. Continues learning begun in T181, expanding basic competencies. Students develop communicative skills as they assimilate the basics of Turkish grammar. In addition to the textbook, students use other media, such as short video clips from Turkish television, songs, and newspaper articles. Credit given for only one of T182 or U162.

**CEUS-T 281 Intermediate Turkish I (4 cr.)** P: Grade of C or higher in T182 or U162, or equivalent proficiency. Expands communicative skills, grammar, and vocabulary skills. Class activities and homework involve listening, speaking, reading, and writing. Special attention paid to building richer vocabulary, developing competence in the vernacular, and improving reading. Recordings, films, handicrafts, and cartoons used in context. Credit given for only one of T281 or U261.

**CEUS-T 282 Intermediate Turkish II (4 cr.)** P: Grade of C or higher in T281 or U261, or equivalent proficiency. Continues skills learned in T281. Credit given for only one of T282 or U262.

**CEUS-T 381 Advanced Turkish I (4 cr.)** P: Grade of C or higher in T282 or U262, or equivalent proficiency. Requires written reports after watching Turkish TV news. Class activities improve language skills of listening, speaking, reading, and writing. Opportunity to interact with native speakers outside of class.

**CEUS-T 382 Advanced Turkish II (4 cr.)** P: Grade of C or higher in T381 or equivalent proficiency. Expands language proficiency using innovative methods described in T381.

**CEUS-T 485 Media Turkish I (3 cr.)** P: Grade of C or higher in T382 or equivalent proficiency. Advances linguistic and cognitive skills needed to understand media language and improves linguistic skills for better comprehension of contemporary language usage.

Includes discussion of socio-political issues associated with current media issues.

**CEUS-T 486 Media Turkish II (3 cr.)** P: Grade of C or higher in T485 or permission of instructor. TV recordings of Turkish media via satellite are incorporated to improve listening comprehension and oral fluency.

**Turkmen**

Turkmen is the national language of Turkmenistan. It is a Turkic language.

**CEUS-T 117 Introductory Turkmen I (4 cr.)** No previous knowledge of Turkmen required. Follows the communicative approach to enable learners to interact successfully in everyday and workplace situations. Authentic Turkmen language materials used include videos, audiotapes, and printed texts. Focused drills present grammatical structures; explanations and paradigms are minimized. Credit given for only one of T117 or U107.

**CEUS-T 118 Introductory Turkmen II (4 cr.)** P: Grade of C or higher in T117 or U107, or equivalent proficiency. Continues course work in Turkmen from T117. Credit given for only one of T118 or U108.

**CEUS-T 217 Intermediate Turkmen I (4 cr.)** P: Grade of C or higher in T118 or U108, or consent of department. Follows the communicative approach, enabling learners to interact successfully in everyday and workplace situations. Authentic Turkmen language materials used include videos, audiotaped materials, and printed texts. Focused drills present grammatical structures; explanations and paradigms are minimized. Newspaper materials supply updates on Turkmenistan's changing life. Credit given for only one of T217 or U207.

**CEUS-T 218 Intermediate Turkmen II (4 cr.)** P: Grade of C or higher in T217 or U207, or consent of department. Continuing development of language skills. Additional new grammar concepts. Credit given for only one of T218 or U208.

**Uyghur**

Uyghur is the main language of Xinjiang in northwest China. It is a Turkic language.

**CEUS-T 131 Introductory Uyghur I (4 cr.)** No previous knowledge of Uyghur required. Introduces basic Uyghur language—the Uyghur script, phonetic rules, and basic grammar of the literary Uyghur language—and Uyghur lifestyle, society, and culture. Daily class activities involve conversations, pronunciation, vocabulary, grammar exercises, simple dialogues and texts. Considerable independent preparation outside of class required. Credit given for only one of T131 or U115.

**CEUS-T 132 Introductory Uyghur II (4 cr.)** P: Grade of C or higher in T131 or U115, or equivalent proficiency. Continues previous semester course work. Develops skills in listening, reading, speaking and writing, to begin mastering literary Uyghur language. Uyghur audio and video cassettes and visual materials illustrate contemporary Uyghur cultural life. Opportunity for personal expression through partner and group work. Credit given for only one of T132 or U116.

**CEUS-T 231 Intermediate Uyghur I (4 cr.)** P: Grade of C or higher in T132 or U116, or equivalent proficiency.

Expands grammatical, lexical, and functional skills. Listening activities involve narratives, interviews from RFA (Uyghur Erkin Asiya Radiosi), and Uyghur TV. Contemporary Eastern Turkestan's society is introduced to facilitate effective situational communication. Credit given for only one of T231 or U215.

**CEUS-T 232 Intermediate Uyghur II (4 cr.)** P: Grade of C or higher in T231 or U215, or equivalent proficiency. Further develops language skills and introduces contemporary Turkestan, its culture and mentality, so students communicate effectively. Also included are translation skills, partner work and discussions, authentic listening and video material. Independent work outside of class is essential. Credit given for only one T232 or U216.

**CEUS-T 331 Advanced Uyghur I (4 cr.)** P: Grade of C or higher in T232 or U216, or equivalent proficiency. Students give oral, reading, and writing presentations; participate in class discussions; and practice translation. Excerpts from novels, movies, newspapers, and other media develop knowledge of Uyghur culture.

**CEUS-T 332 Advanced Uyghur II (4 cr.)** P: Grade of C or higher in T331 or equivalent proficiency. Students give oral, reading, and writing presentations; participate in class discussions; and practice translation. Excerpts from novels, movies, newspapers, and other media develop knowledge of Uyghur culture.

### **Uzbek**

Uzbek is the national language of Uzbekistan. It is a Turkic language.

**CEUS-T 111 Introductory Uzbek I (4 cr.)** Introduction to Uzbekistan's literary language, using Latin and Cyrillic alphabets. Conversation, reading practice, journal writing, newspapers illustrating modern Uzbekistan, Uzbek videos, TV programs, and audiotapes used. Credit given for only one of T111 or U171.

**CEUS-T 112 Introductory Uzbek II (4 cr.)** P: Grade of C or higher in T111 or U171, or equivalent proficiency. Continues course work from previous semester. Credit given for only one of T112 or U172.

**CEUS-T 211 Intermediate Uzbek I (4 cr.)** P: Grade of C or higher in T112 or U172, or equivalent proficiency. Increases fluency in speaking and develops listening and reading skills. With extensive conversation and reading practice, students extend their vocabulary and grammar fundamentals in the literary language of Uzbekistan. Journals, newspapers and authentic materials supplied via Internet, email, and Oncourse illustrate modern life and language in Uzbekistan. Credit given for only one of T211 or U271.

**CEUS-T 212 Intermediate Uzbek II (4 cr.)** P: Grade of C or higher in T211 or U271, or equivalent proficiency. Continues language skills of T211. Credit given for only one of T212 or U272.

**CEUS-T 311 Advanced Uzbek I (4 cr.)** P: Grade of C or higher in T212 or U272, or equivalent proficiency. Increases oral fluency, and develops listening, reading and writing based on literary Uzbek. Enables students to do research in history, culture, and politics. Extensive conversation and reading practice uses journals and

newspapers illustrating modern Uzbekistan, websites, videos, TV, and audiotapes.

**CEUS-T 312 Advanced Uzbek II (4 cr.)** P: Grade of C or higher in T311 or equivalent proficiency. Increases oral fluency and develops listening, reading, and writing skills to enable students to do research in history, literature, and culture. Extensive conversation and reading practice using newspapers and journals illustrating Uzbek history, literature, and modern life, plus Uzbek videos, TV programs, and audiotapes.

### **Other Language Study**

**CEUS-C 196 Introduction to Central Eurasian Language (0 cr.)** Limited to off-campus participants in the IU-Australia National University language course exchange. Instruction in various less commonly taught languages using distance learning technology.

**CEUS-T 198 Introductory Central Eurasian Languages I (1-4 cr.)** Various languages of Central Eurasia will be offered when available and will be listed in the online *Schedule of Classes*. May be repeated with a different introductory level language class for a maximum of 8 credit hours.

**CEUS-T 199 Introductory Central Eurasian Languages II (1-4 cr.)** P: Grade of C or higher in T198 or equivalent in the same language. Various languages of Central Eurasia will be offered when available and will be listed in the online *Schedule of Classes*. May be repeated with a different introductory level language class for a maximum of 8 credit hours.

**CEUS-T 298 Intermediate Central Eurasian Languages I (1-4 cr.)** P: Grade of C or higher in T199 or equivalent in the same language. Various languages of Central Eurasia will be offered when available and will be listed in the online *Schedule of Classes*. May be repeated with a different intermediate level language class for a maximum of 8 credit hours.

**CEUS-T 299 Intermediate Central Eurasian Languages II (1-4 cr.)** P: Grade of C or higher in T298 or equivalent in the same language. Various languages of Central Eurasia will be offered when available and will be listed in the online *Schedule of Classes*. May be repeated with a different intermediate level language class for a maximum of 8 credit hours.

**CEUS-T 398 Advanced Central Eurasian Languages I (1-4 cr.)** P: Grade of C or higher in T299 or equivalent in the same language. Various languages of Central Eurasia will be offered when available and will be listed in the online *Schedule of Classes*. May be repeated with a different advanced level language class for a maximum of 8 credit hours.

**CEUS-T 399 Advanced Central Eurasian Languages II (1-4 cr.)** P: Grade of C or higher in T398 or equivalent in the same language. Various languages of Central Eurasia will be offered when available and will be listed in the online *Schedule of Classes*. May be repeated with a different advanced level language class for a maximum of 8 credit hours.

# Chemistry

## Introduction

The Department of Chemistry (CHEM) offers both bachelor of arts and bachelor of science degrees in chemistry and biochemistry. Recommended preparation to enter one of these programs includes two years of algebra, a half year of trigonometry, one year of physics, and one year of chemistry at the high-school level (or equivalent course work at the college level). Enrollment in all courses limited to students with a grade of C– or higher in prerequisite courses.

## Contact Information

Chemistry  
Indiana University  
Chemistry Undergraduate Office, C021  
800 E. Kirkwood Ave.  
Bloomington, IN 47405

(812) 855-2700  
[chemound@indiana.edu](mailto:chemound@indiana.edu)

Undergraduate website: [chem.indiana.edu/undergraduate](http://chem.indiana.edu/undergraduate)

## Faculty

### Chair

- David Giedroc

### Associate Chair

- Stephen Jacobson

### Distinguished Professors

- Kenneth Caulton
- Ernest Davidson (Emeritus)
- Richard DiMarchi
- Gary Hieftje
- Ronald Hites
- Milos Novotny (Emeritus)
- Peter Ortoleva
- Charlie Parmenter (Emeritus)

### Herman T. Briscoe Professor

- Dennis Peters

### Joan and Marvin Carmack Chair

- Nicola L.B. Pohl

### Standiford H. Cox Professor

- Richard DiMarchi

### Harry G. Day Chair

- David Williams

### Linda and Jack Gill Chair in Biomolecular Sciences

- Richard DiMarchi

### Robert and Marjorie Mann Chairs

- David Clemmer
- Gary Hieftje
- Martin Jarrold

### Provost Professor

- Romualdo de Souza

### Professors

- Bogdan Dragnea
- David Giedroc

- Stephen Jacobson
- Caroline Jarrold
- Krishnan Raghavachari
- James Reilly
- Philip Stevens
- Theodore Widlanski
- Jeffrey Zaleski

### Associate Professors

- Mu-Hyun Baik
- Lane Baker
- Amar Flood
- Srinivasan Iyengar
- Liang-shi Li
- Martha Oakley
- Jeremy Smith
- Michael VanNieuwenhze

### Assistant Professors

- Zachary Aron
- M. Kevin Brown
- Erin Carlson
- Silas Cook
- Charles Dann III
- Sara Skrabalak
- Thomas Snaddon
- Steven Tait
- Megan Thielges
- Yan Yu

### Clinical Professor

- Cathrine Reck

### Associate Clinical Professor

- Michael Edwards

### Senior Lecturer

- Ben Burlingham
- Jill Robinson

### Lecturer

- Laura C. Brown

### Director of Graduate Studies

- Amar Flood

### Director of Undergraduate Studies

- Cathrine Reck

### Academic Advising

- [chemadv@indiana.edu](mailto:chemadv@indiana.edu), Chemistry 021E, (812) 855-2700 @
- [@](mailto:@), Simon Hall 102A, (812) 855-9511 @

## Major in Biochemistry—B.A.

### Purpose

This major is designed to prepare students for careers outside the laboratory, such as medical school, dental school, or non-traditional careers in chemistry. Students wishing to pursue graduate work are strongly encouraged to pursue the B.S. degree.

### Required Courses

Students must complete the following course work with a grade of C– or higher in each course:

1. 32–33 credit hours of Chemistry courses to include C117-C127 (or C105-C125), C341, C342, C343 or A316, C484, C485, B486, and C487 or B487; and
2. a minimum of 8 credit hours selected from the following: A314, A316 or C343, N330, C344, C360, C361, C362, C372, C430, C437, C460, C481.
3. Biology L112.
4. Mathematics M119 or M211.
5. Physics P201 or P221.

Students must also complete General Education requirements and the degree requirements for the B.A. degree in the College of Arts and Sciences.

#### **Recommendations**

Mathematics M211 is strongly recommended, and M212 is highly desirable for students planning to work in other fields. Biology L211 is recommended.

### **Major in Chemistry—B.A.**

#### **Purpose**

This major is designed to prepare students for careers outside the laboratory, such as medical school, dental school, or non-traditional careers in chemistry. Students wishing to pursue graduate work are strongly encouraged to pursue the B.S. degree.

#### **Requirements**

Students must complete the following course work with a minimum grade of C– in each course:

1. 30 credit hours in Chemistry course work to include C117-C127 (or C105-C125), C341, C342, C343, and C360 or C361 or C362; and additional elective hours in Chemistry.
2. The following courses may not be used to fulfill the 30 credit hour requirement: C103, C107, G201, G207, C240, C243, G307, C371, C372, Y398, C400, C401, G407, C409, and G499.
3. Physics P201 and P202.
4. Mathematics M119 or M211.
5. At least 18 credit hours of course work must be completed at the 300–400 level.

Students must also complete the General Education requirements and the degree requirements for the B.A. degree in the College of Arts and Sciences.

#### **Recommendations**

Mathematics M211 is strongly recommended, and M212 is highly desirable.

### **Major in Chemistry—B.S.**

#### **Purpose**

The B.S. in Chemistry is designed for students planning to seek employment in industry, to pursue graduate work in chemistry, or to attend medical or dental school.

#### **Required Courses**

Students must complete the following Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements:

1. Writing, same as B.A. degree (English Composition, Intensive Writing).
2. Foreign language, 3 credit hours of any foreign language at the second-year level.
3. Arts and humanities, two courses.
4. Social and historical studies, two courses.
5. Natural and mathematical sciences, fulfilled by major.
6. One Critical Approaches course.
7. One Public Oral Communication course.

#### **Major Requirements**

Students must complete the following course work with a minimum grade of C– in each course:

1. 45 credit hours of Chemistry course work which must include: CHEM-C 117 and C127 (or C105-C125), A315, C317-C318, N330, C341, C342, S343, C361, C362, P364, and either C483 or C484. The following courses may not be counted in the 45 credit hours required for the major: CHEM-C 103, C107, G201, G207, C240, C243, G307, G407, and G499.
2. At least 6 of the remaining credit hours must be in lecture courses at the 300–400 level or above.
3. At least 4 of the remaining credit hours must be in laboratory courses.
4. MATH-M 211 and M212, and one of MATH-M 303 or M311 or M343.
5. PHYS-P 221 and P222.
6. BIOL-L 112.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### **Recommendations**

MATH-M 311 is recommended over MATH-M 303 or M343.

### **Major in Biochemistry—B.S.**

#### **Required Courses**

Students must complete General Education requirements and the following Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements:

1. Writing, same as B.A. degree (Intensive Writing, English Composition).
2. Foreign language, 3 credit hours of any foreign language at the second-year level.
3. Arts and humanities, two courses.
4. Social and historical studies, two courses.
5. Natural and mathematical sciences, fulfilled by major.
6. One Critical Approaches to the Arts and Sciences course.
7. One Public Oral Communication course.

#### **Major Requirements**

Students must complete all of the following course work with a grade of C– or higher in each course:

1. 42 credit hours of Chemistry course work which must include: C117-C127 (or C105-C125), A314, A316, C341, C342, S343, C361-C362 or C361-C481, C484, C485, B486, and C487 or B487. The following courses may not be counted in the 42 credit hours

- required for the major: C103, C107, G201, G207, C240, C243, G307, G407, and G499.
2. At least 3 of the remaining credit hours must be in lecture courses at the 300–400 level or above.
  3. At least 4 of the remaining credit hours must be in laboratory courses.
  4. Mathematics M211 and M212.
  5. Physics P221 and P222.
  6. Biology L112, L211, and at least one of the following: L311, L312, M250-M255, M430.

Students must also complete the degree requirements of the College of Arts and Sciences.

### **Recommendations**

Chemistry C481 is recommended over Chemistry C362.

## **Minor in Chemistry**

### **Required Courses**

17 credit hours or more in chemistry to include the following courses:

1. Core courses: C117-C127 (or C105 and C125) and C341.
2. 9 credit hours of electives chosen from A314, A318 or C317-C318, C342, C360, C361, C362, C430, C443, C460, C481, C483, C484, C485, N330.
3. 12 of the 17 hours for the minor must be taken on the Bloomington campus.
4. A GPA of 2.000 is required, with no course grade lower than C–.

## **Departmental Honors Program**

The program is designed for especially well-qualified students who wish to acquire an unusually strong foundation in chemistry. Most students completing the honors program enter graduate or professional school. Special courses for outstanding students are offered in general chemistry (S117), organic chemistry (S341, S342, and S343), and inorganic chemistry (S330). Participants are expected to complete the requirements for a B.S. in chemistry or a B.S. in biochemistry or the following courses: C315, C317, C318, C361, C362, P364, and two 3 credit hour, 400-level courses other than C409 and C445.

The heart of the honors program is participation in an undergraduate research project within a faculty research group. This research generally begins in the freshman or sophomore year and must culminate with an honors research thesis and enrollment in G410 in the senior year.\* Students in the program must maintain a minimum grade point average of 3.300.

\*Students are strongly encouraged to take G207 to prepare for G410, and to take G307 for successful career preparation.

## **B.S. Chemistry/M.S. Secondary Education**

In an effort to address the shortage of Indiana high school teachers in certain subjects, the College, in conjunction with the IU School of Education, offers an accelerated five-year program in which students can obtain a B.S. in Chemistry and an M.S. in Secondary Education and also complete all requirements for State licensure in Secondary Education. Under this program, students complete all of

the course work required for this B.S. Chemistry major by their eighth semester at IU. Continuing in the summer after their fourth year and then in a fifth year of study, students complete all of the requirements for the M.S. in Secondary Education with licensure.

Students must apply and earn admittance to the School of Education's Secondary Transition to Teaching and the Master of Science in Education programs during the fall semester of their senior year. After they have completed a minimum of 90 credit hours in the College of Arts and Sciences and satisfied the Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, and major concentration requirements for this B.S. Chemistry, students may apply up to 30 credit hours earned in the School of Education as College electives. The requirements for the B.S. Chemistry must be completed before student teaching begins in the final spring semester of the five-year program. The two degrees (B.S. in Chemistry and M.S. in Secondary Education) are awarded simultaneously.

Students considering this program should seek advising from both the Department of Chemistry and the School of Education. Also, students are advised to check on the effect that the transition to graduate status may have on existing undergraduate funding.

## **Course Descriptions**

### **Introductory Courses**

C100 is a lecture course for non-science majors. Students who are required to complete only two semesters of chemistry, such as those in prenursing and some allied health areas, should take C101-C121 and C102-C122, which include labs. Students who wish to take basic courses that provide a foundation for advanced work in scientific fields should enroll in C117 (or C105-C125) followed by C341.

### **Special Sections and Courses**

Special courses for students with unusually good aptitude or preparation and especially for students interested in the professional B.S. in chemistry and B.S. in biochemistry degree programs are identified by the prefix letter "S": S117, S330, S341, S342, and S343. These courses are equivalent to the corresponding courses lettered "C" for meeting stated requirements.

### **CHEM-C 100 The World as Chemistry (3 cr.) CASE**

**N&M** For non-science majors, the chemistry of everyday life: fuels, plastics, drugs, water, air, and living systems. Lectures illustrated by demonstrations, films, and molecular models. Readings include articles from current newspapers and magazines.

### **CHEM-C 101 Elementary Chemistry I (3 cr.) CASE N&M**

Essential principles of chemistry, atomic and molecular structure, bonding, properties and reactions of elements and compounds, stoichiometry, solutions, and acids and bases. For students who are not planning careers in the sciences and for those with no previous course work in chemistry. Credit given for only one of C101 or C103.

### **CHEM-C 102 Elementary Chemistry II (3 cr.) CASE**

**N&M** P: C101. Usually taken concurrently with C122. Continuation of C101. The chemistry of organic compounds and their reactions followed by an extensive introduction to biochemistry.

**CHEM-C 103 Introduction to Chemical Principles (5 cr.) CASE N&M** Essential principles of chemistry, atomic and molecular structure, bonding, properties and reactions of elements and compounds, stoichiometry, solutions, and acids and bases. For students who are not planning careers in the sciences and for those with no previous course work in chemistry. Credit given for only one of C103 or C101-C121.

**CHEM-C 107 Frontiers of Chemical Research (1 cr.)** P: One semester of college-level chemistry or consent of instructor. A freshman seminar featuring talks and demonstrations by various faculty about current research in analytical, biological, inorganic, organic, and physical chemistry.

**CHEM-C 117 Principles of Chemistry and Biochemistry I (3 cr.) CASE N&M** P: C101-C121 or CHEM-C103, or chemistry and math placement examinations and consent of the department. Lecture course covering basic principles of chemistry and biochemistry, basic mathematical and conceptual principles in atomic structure and periodic properties, molecular structure, chemical bonding, energy (thermochemistry), kinetics, equilibrium and thermodynamics. Credit given for only one of the following: C105, C117 or S117.

**CHEM-S 117 Principles of Chemistry and Biochemistry I, Honors (5 cr.) CASE N&M** P: Chemistry and math placement examinations and consent of department. For students with unusual aptitude or preparation. An integrated lecture-laboratory course covering basic principles of chemistry and biochemistry. Credit given for only one of S117, C117-C127, or C105-C125.

**CHEM-C 118 Principles of Chemistry and Biochemistry II (5 cr.) CASE N&M** P: C117-C127 or C105-C125 or S117. An integrated lecture-laboratory course building on principles from C117. Topics include solutions, equilibria, electrochemistry, nuclear reactions, and transition metals. Additional topics may include polymers, drug design, and atmospheric chemistry. Course focuses on application-based problem solving. Credit given for only one of the following: C106-C126, C118, or N330.

**CHEM-C 121 Elementary Chemistry Laboratory I (2 cr.) CASE N&M** P or C: C101. Introduction to the techniques and reasoning of experimental chemistry. Credit given for only one of C101-C121 or C103.

**CHEM-C 122 Elementary Chemistry Laboratory II (2 cr.) CASE N&M** P: C101, C121. P or C: C102. Continuation of C121. Emphasis on organic and biochemical experimental techniques.

**CHEM-C 127 Principles of Chemistry and Biochemistry I Laboratory (2 cr.) CASE N&M** P or C: C117. Basic principles of chemistry and biochemistry that align with the topics in C117. Chemical bonding (atomic structure, molecular structure, molecular orbital theory, and non-covalent interactions), macroscopic properties (energy, kinetics, equilibrium, and thermodynamics). Hands-on laboratory techniques in chemistry necessary for success in later chemistry laboratory courses,

especially organic chemistry. Credit given for only one of C127 or C125.

**CHEM-G 201 Service Learning: Community Outreach (1 cr.)** P: C117-C127 or C105-C125. C: Current enrollment in another chemistry course. Students will work within the community to foster interest, knowledge, and appreciation in the sciences. Assignments will include the preparation and execution of demonstrations and in class lessons at the primary and secondary school levels. May be repeated for a maximum of 6 credit hours.

**CHEM-G 203 Service Learning: Timmy Global Health (1-2 cr.)** This service course enables students to learn about the history, customs, culture, political, social and environmental diversity of the Guatemalan and Mayan people. A one-week service trip or a service project to work toward impacting these indigenous populations is required. May be repeated for a maximum of 12 credit hours.

**CHEM-G 207 Chemical Scholarship and Presentation (1 cr.)** P: C341 or S341; Sophomore standing; chemistry or biochemistry majors. Involves the preparation of scientific oral presentations and poster presentations. Assignments include the making of slides, using presentation software, handling of scientific data correctly, and presentation skills. Students will give presentations as the final assignment. Not repeatable for credit.

**CHEM-G 209 Ethics in Science (1 cr.)** Examines ethical issues in the sciences including conflict of interest in the college classroom, laboratory safety, responsible conduct of research, and authorship and intellectual property. Utilizes case studies as a framework to discuss scientific misconduct such as falsification, fabrication, and plagiarism.

**CHEM-C 240 Preparation for Organic Chemistry (1.5 cr.)** P: C117 or C106, or permission of instructor. To develop a standard and comprehensive preparation for the study of organic chemistry. Review of electronic structure, periodicity, bonding, Lewis structures, pKa's, simple nomenclature, and molecular geometry; problem-based approach to developing skills necessary for success in organic chemistry. Course will not count toward chemistry minor or majors.

**CHEM-C 243 Supplemental General Chemistry (2 cr.)** For transfer students with General Chemistry I credit from regional campuses or other colleges who plan to take organic chemistry. Equilibrium, kinetics, and thermodynamics will be covered. General Chemistry I plus this course is strongly recommended as preparation for C341.

**CHEM-G 307 Chemical Career Planning (1 cr.)** P: Junior standing; chemistry or biochemistry major. Focuses on writing resumes, personal statements, and cover letters. Content includes interviewing skills, discussion of graduate programs and careers in chemistry, personal assessment, job searching strategies, labor market trends, and principles of career planning. Not repeatable for credit.

**CHEM-A 314 Biological and Environmental Chemical Analysis (2 cr.)** P: C341, S341, or R340 and MATH M119 or M211. Theory and application of analytical techniques, including statistical treatment of data,

spectroscopy, separation methods, electroanalytical methods, radioisotopes, and immunological methods. Credit given for only one of A314, A318, or C317-C318.

**CHEM-A 315 Chemical Measurements Laboratory (2 cr.)** P: A314 or C317-C318 or A314. Application of analytical techniques and instrumentation to qualitative and quantitative chemical analysis. Theory, instrumentation, and data analysis will be covered. Credit given for only one of A315 or A316.

**CHEM-A 316 Bioanalytical Chemistry Laboratory (2 cr.)** P: A318 or C317-C318 or P or C: A314. Laboratory experiments involve the application of analytical techniques and instrumentation to chemical analysis of biological samples. Methods include spectroscopy, immunoassays, chromatography, electrophoresis, and mass spectrometry. Credit given for only one of A316 or A315.

**CHEM-C 317 Equilibria and Electrochemistry (2 cr.)** P or C: C341 or S341, and MATH M211 or M215. Treatment of analytical data; chemical equilibrium; redox titrations; electrochemical theory; potentiometry; voltammetry; coulometry. Credit given for only one of A314, A318, or C317-C318.

**CHEM-C 318 Spectrochemistry and Separations (2 cr.)** P or C: C341 or S341, and MATH M211 or M215. Ultraviolet, visible, infrared, and luminescence spectrophotometry; flame and electrical discharge techniques; X-ray and mass spectrometric methods; phase equilibria and extractions; counter current distribution; gas, thin-layer liquid, and high-performance liquid chromatography. Credit given for only one of A314 or C317-C318.

**CHEM-N 330 Intermediate Inorganic Chemistry (5 cr.)** P: C342, S342, or R340; and C343 or S343. An integrated lecture-laboratory course covering structure and bonding of inorganic compounds, including transition metal coordination compounds, organometallic compounds, and bioinorganic complexes. Further topics will include nuclear chemistry and reaction mechanisms. Credit given for only one of N330, C106-C126, or C118.

**CHEM-S 330 Intermediate Inorganic Chemistry (5 cr.)** **CASE N&M** P: C342, S342, or R340; and C343 or S343. For students with unusually good aptitude or preparation. An integrated lecture-laboratory course covering structure and bonding of inorganic compounds, including transition metal coordinate compounds, organometallic compounds, and bioinorganic complexes. Further topics will include nuclear chemistry and reaction mechanisms. Credit given for only one of N330, S330, C118, S118, C106-C126, or S106-S126.

**CHEM-R 340 Survey of Organic Chemistry (3 cr.)** P: C117 or C106 or permission of instructor. A survey of classes, structure, and reactivity of carbon-based compounds with an emphasis on those found in biological systems. Credit given for only one of R340, C341, S341, C342 or S342.

**CHEM-C 341 Organic Chemistry I Lectures (3 cr.)** **CASE N&M** P: C117, S117, C106, or C243. Chemistry of carbon compounds. Nomenclature; qualitative theory of valence; structure and reactions. Syntheses and reactions

of major classes of monofunctional compounds. Credit given for only one of C341, S341, or R340.

**CHEM-S 341 Organic Chemistry I Lectures, Honors (3 cr.)** **CASE N&M** P: Grade of B+ or higher in C117 or S117, or consent of instructor. For students with unusually good aptitude or preparation. Chemistry of carbon compounds. Nomenclature; qualitative theory of valence; structure and reactions. Syntheses and reactions of major classes of monofunctional compounds.

**CHEM-C 342 Organic Chemistry II Lectures (3 cr.)** **CASE N&M** P: C341 or S341. Syntheses and reactions of polyfunctional compounds, natural and industrial products. Credit given for only one of C342, S342, or R340.

**CHEM-S 342 Organic Chemistry II Lectures, Honors (3 cr.)** **CASE N&M** P: C341 or S341, and consent of instructor. Special course for students with unusually good aptitude or preparation, covering same subject matter as C342. Credit given for only one of C342, S342, or R340.

**CHEM-C 343 Organic Chemistry I Laboratory (2 cr.)** P: C127 and C341 or S341. R: C342 or S342. Laboratory instruction in the fundamental techniques of organic chemistry, spectroscopy, and the use of general synthetic methods. Credit given for only one of C343 and S343.

**CHEM-S 343 Organic Chemistry I Laboratory, Honors (2 cr.)** P: C127 and C341 or S341. P or C: C342 or S342. Special course for students with unusually good aptitude or preparation, covering same subject matter as C343. Credit not given for both S343 and C343.

**CHEM-C 344 Organic Chemistry II Laboratory (2 cr.)** P: C342 or S342, and C343 or S343. Preparation, isolation, and identification of organic compounds; emphasis on modern research methods.

**CHEM-C 360 Introductory Physical Chemistry (3 cr.)** **CASE N&M** P: C117-C127 or S117 or C106; N330 strongly recommended. MATH M119 and PHYS P201, or equivalents. Elements of thermodynamics, reaction kinetics, molecular quantum states, and spectroscopy. For students not intending to specialize in physical sciences. Credit given for only one of C360, C361-C362, or S361-S362.

**CHEM-C 361 Physical Chemistry of Bulk Matter (3 cr.)** **CASE N&M** P: C117-C127 or C106; MATH M212 or M216, and PHYS P202 or P222. Thermodynamics laws, free energy and chemical potentials, gases and dilute solutions, phase transitions, colligative properties, chemical equilibria, ionic solutions, chemical kinetics and transport processes, current topics. Credit given for only one of the following: C361, S361, or C360.

**CHEM-C 362 Physical Chemistry of Molecules (3 cr.)** **CASE N&M** P: C117-C127 or C106; N330 strongly recommended. MATH M212 or M216, and PHYS P202 or P222. Quantum states and spectroscopy of molecules, statistical thermodynamics, and elementary kinetic theory, current topics. Credit given for only one of C362 or C360.

**CHEM-P 364 Basic Measurements in Physical Chemistry (2 cr.)** P: C361. Experiments in this laboratory course will revolve around concepts explored in physical chemistry such as heats of fusion, heat capacities, bomb calorimetry, transport properties, chemical kinetics, and basic spectroscopy.

**CHEM-C 372 Chemical Informatics II: Molecular Modeling (2 cr.)** P: C341 or S341. Molecular modeling and computational chemistry; application of quantum mechanics and molecular mechanics to derive structural and energetics information about molecules; conformational analysis; quantitative structure-activity relationships (QSAR) and related methods for drug design.

**CHEM-C 383 Chemical Organization of Living Systems (3 cr.) CASE N&M** P: C117-C127, C105-C125, S117; C341 or S341 or R340. Introduction to macromolecular structure, central metabolism, and chemical basis of biological information flow. Credit given for only one of C383 or C483.

**CHEM-Y 398 Professional Practice in Chemistry (1-6 cr.)** P: Approval of the Department of Chemistry. Designed to provide opportunities for students to receive credit for career-related, full-time work. Evaluation by employer and director of undergraduate studies. Course credit may count as elective hours in the B.S. in Chemistry and B.S. in Biochemistry degree requirements. May be repeated for a maximum of 6 credit hours.

**CHEM-G 408 Seminar in Green Chemistry (1 cr.)** This seminar series focuses on the chemical aspects of sustainable chemistry, a chemical philosophy encouraging the design of products/processes that reduce or eliminate the use and generation of hazardous substances. Invited speakers consider sustainable design from multiple perspectives involving industry, academia, and public policy.

**CHEM-C 409 Chemical Research (1-3 cr.)** P: Approval of research director and department. For outstanding students. Cannot be substituted for any chemistry course. May not be used to satisfy upper-level laboratory hour requirement in a B.S. major; may not be used in fulfillment of chemistry major hours in a B.A. major. C409 and G410 may not be taken concurrently during the same semester. May be repeated for a maximum of 10 credit hours.

**CHEM-G 410 Chemical Research Capstone (2 cr.)** P: Approval of research director and department; two semesters of C409. For outstanding students in research. May be used to satisfy upper-level laboratory credit hour requirements in the B.S. major; may not be used in fulfillment of chemistry major credit hours in a B.A. major. A written research thesis with oral presentation is required. G410 and C409 may not be taken concurrently during the same semester.

**CHEM-C 416 Surface Analysis and Surface Chemistry (3 cr.)** P: C360 or C361, or permission of instructor. An overview of the modern instrumental techniques of surface analysis will be presented, together with a survey of their applications to solve surface chemical problems. Topics include electron and ion spectroscopies, SIMS, LEED, thermal desorption spectroscopy, surface electron and ion microscopies, catalysis, microelectronics fabrication, and corrosion.

**CHEM-C 420 Advanced and Nanoscale Materials (3 cr.)** P: CHEM-C343, C360 or C361. R : CHEM-N330 and/or C483 or C484. This interdisciplinary course bridges chemistry, materials science, physics and biology by focusing on concepts crucial to understanding the structure-function relationships of materials and their

nanoscale properties: surface, size, shape, self-assembly, defects, and the interface of biology and nanochemistry. These concepts are elucidated through the study and discussion of contemporary and advanced materials; for example, metal and magnetic nanoparticles, quantum dots, graphene and low-dimensional carbon materials, as well as polymers and biomaterials.

**CHEM-C 430 Inorganic Chemistry (3 cr.) CASE N&M** P: C106 or S106 or N330 or S330. R: C362. Structure and bonding of inorganic compounds; survey of chemistry of the Periodic Table, group theory, electronic spectroscopy of coordination compounds, organometallic compounds, catalysis, mechanisms, and reactions.

**CHEM-C 432 Spectroscopic Methods in Inorganic Chemistry (3 cr.)** P: C360 or C361, and C430. Chemical applications of group theory and the elucidation of structure and bonding in inorganic molecules and complexes by vibrational, nuclear magnetic resonance, Mössbauer, and electronic absorption spectroscopy.

**CHEM-C 437 Inorganic Chemistry Laboratory (2 cr.)** P: N330. Synthesis, characterization, and study of chemical and physical properties of inorganic and organometallic compounds.

**CHEM-C 443 Organic Spectroscopy (3 cr.)** P: C342 and C362. Elucidation of molecular structures by use of IR, UV, NMR, mass spectroscopy, and other methods.

**CHEM-C 446 Organic Chemistry III (3 cr.)** P: C342 or S342. Further develops concepts introduced in Organic Chemistry I and II. Advanced topics include retrosynthesis, kinetics, catalysis, organometallic chemistry, FO theory and pericyclic reactions, heterocycles, mechanism, radicals and carbenes, polymers, solid phase synthesis of peptides and organic synthesis.

**CHEM-C 460 Nuclear Chemistry (3 cr.) CASE N&M** P or C: C360, C361, S361, or graduate standing. Fundamentals of nuclear behavior; nuclear properties, radioactive decay, and nuclear reactions; applications of nuclear phenomena, biological effects of radiation, nuclear analytical techniques, tracers, radioisotope dating, nuclear power, and the origin of the chemical elements.

**CHEM-P 464 Advanced Measurements in Physical Chemistry (2 cr.)** P: P364. P or C: P362. The tools of designing experiments in modern physical chemistry will be explored in this laboratory course. Students will work through the layers involved in physical experiments from its genesis through data analysis. Components of the class include electronics, computer interfacing, vacuum and laser technology, particle or photon detection, and computations.

**CHEM-C 481 Physical Biochemistry (3 cr.)** P: C361 and C484. Physical chemistry of biological macromolecules; structure and conformation of proteins and nucleic acids; thermodynamics and kinetics of biochemical reactions.

**CHEM-C 483 Biological Chemistry (3 cr.) CASE N&M** P: C342 or S342 or R340. Introduction to structure, chemical properties, and interrelationships of biological substances. Credit given for only one of C483 or C484-C485.

**CHEM-C 484 Biomolecules and Catabolism (3 cr.) CASE N&M** P: C342 or S342. Structure and function of

cellular components and catabolism of glucose. Credit given for only one of C484 or C483.

**CHEM-C 485 Biosynthetic Pathways and Control of Metabolism (3 cr.) CASE N&M P:** C484. Biosynthetic pathways, control of metabolism, and drug design. Credit given for only one of C484-C485 or C483.

**CHEM-B 486 Gene Expression and Physiology (3 cr.)** P: C484 or permission of instructor. Biosynthesis of macromolecules, control of gene expression, advanced topics in biochemistry.

**CHEM-B 487 Biochemistry Laboratory (2 cr.)** P: C343 or S343, and C484. P or C: C485. Laboratory instruction in the fundamental techniques of protein biochemistry, including separation of macromolecules by electrophoresis and chromatography; isolation, purification, and analysis of enzymes; and methods for probing protein-ligand interactions. Credit given for only one of B487-B488 or C487.

**CHEM-C 487 Biochemistry Laboratory (2-3 cr.)** P: C343 or S343, and C484. Laboratory instruction in the fundamental techniques of biochemistry, including separation of macromolecules by electrophoresis and chromatography; isolation, purification, and analysis of enzymes; recombinant DNA procedures; and polymerase chain reaction (PCR). Credit given for only one of C487 or B487-B488.

**CHEM-B 488 Advanced Biochemistry Laboratory (2 cr.)** P: B487. P or C: C485. Laboratory instruction in the fundamental techniques of nucleic acid chemistry, including assay methods, nucleic acid purification strategies, recombinant DNA procedures; transformations, protein expression systems, polymerase chain reaction (PCR) methodologies, and methods of genomic analysis. Credit given for only one of B487-B488 or C487.

**CHEM-C 497 Special Laboratory Projects in Chemistry (1-3 cr.)** P: Consent of instructor. Laboratory projects in chemistry or biochemistry as determined by instructor and student. May be repeated for a maximum of 6 credit hours.

**CHEM-C 498 Special Topics in Chemistry (1-3 cr.)** P: Consent of instructor; section authorization required. Topics in chemistry and biochemistry vary with each offering of this course.

**CHEM-G 499 Internship in Chemical Instruction (1-3 cr.)** P: Consent of department. Supervised experience in teaching an undergraduate chemistry course. May not count toward credit hours in the major.

### Geological Sciences

These courses are acceptable for credit in chemistry.

**GEOL-G 406 Introduction to Geochemistry (3 cr.)** P: G222, MATH M212 or M216, and CHEM C117; or consent of instructor. Chemistry in the study of the earth, employing elementary chemical thermodynamics, the phase rule, chemical equilibria, redox reactions, the radioactive decay law, and organic chemistry.

**GEOL-G 444 Methods in Analytical Geochemistry (1-2 cr.)** An overview of basic collection and preparation of water, soil, and geologic materials for analysis by analytical geochemistry techniques for environmental, and exploration geology, and geochemistry applications.

Techniques include Inductively Coupled Plasma (ICP), Atomic Spectrometry Absorption (AAS) by flame and graphite furnace, X-ray fluorescence, and Leco carbon and sulfur concentration determinations. May not be repeated.

### Related Non-College of Arts and Sciences Courses

These courses are acceptable for credit in Chemistry.

**SPEA-E 451 Air Pollution and Control (3 cr.)** P: (no P required for Bloomington); SPEA-E 272 or H 316; CHEM-C 101 or equivalent; MATH-M 118 or equivalent. A survey course covering the chemistry, transport, and fate of air pollutants related to current issues of air quality, such as photochemical smog, ozone depletion, particulate matter, and indoor air quality. Topics include the types, sources, health and environmental effects, measurement, evaluation, control, regulation, and modeling of air pollution concentrations.

**SPEA-E 464 Organic Pollutants: Environmental Chemistry and Fate (3 cr.)** P: SPEA-E 536 or permission of the instructor. This course provides students with both a quantitative and intuitive understanding of the relationship between chemical structure, environmental properties, and the behavior of organic contaminants in the environment, particularly aquatic environments. Physical/ chemical properties of organic chemicals, fate determining processes, and modeling concepts will be examined in detail.

### Related Research Courses

BIOL-L 490 and MSCI-M 450 may be counted in the Department of Chemistry as equivalent to C409 Chemical Research only by application to the department (Undergraduate Office, CH 021) prior to the start of the research experience. A research thesis must be submitted to the Department of Chemistry at the end of the research experience to complete the equivalency requirement.

**Note:** B.A. students may not use any research course in fulfillment of the chemistry major credit hours; B.S. students may not count MSCI-M 450 in the minimum 25 College of Arts and Sciences credit hours required in the major subject area out of the total of 45 chemistry credit hours required for the major.

### Credit by Examination

Credit for C101-121 (non-science major chemistry courses that carry Natural and Mathematical Sciences Breadth of Inquiry) may be obtained by passing an examination administered by the chemistry department. Contact the Chemistry Undergraduate Office (C021) to make an appointment to take the exam (812-855-2700; [chemound@indiana.edu](mailto:chemound@indiana.edu)).

## Classical Studies

### Introduction

The Department of Classical Studies (CLAS) offers majors in ancient Greek, Latin, and classical civilization leading to the B.A. degree, as well as minors in ancient Greek, Latin, and classical civilization. The majors and minors in ancient Greek and Latin provide students the opportunity to study Greek and Latin literatures and cultures in the original languages. The classical civilization majors and minors

offer students with little or no knowledge of the Greek and Latin languages the opportunity to study the Greek and Roman cultures from which much of our literature and thought and many of our institutions come.

### Contact Information

Department of Classical Studies

Indiana University  
Ballantine Hall 547  
Bloomington, IN 47405

(812) 855-6651

[classics@indiana.edu](mailto:classics@indiana.edu)

<http://www.indiana.edu/~classics>

### Faculty

#### Chairperson

- Matthew R. Christ

#### Professors

- Matthew R. Christ
- Eleanor Winsor Leach

#### Associate Professors

- Bridget K. Balint
- Cynthia J. Bannon
- Christina Illias
- Jonathan Ready

#### Assistant Professors

- Margaret Foster
- Adam Gitner
- Margaretha Kramer-Hajos

#### Professors Emeriti

- James L. Franklin Jr.
- William Hansen
- Thomas Jacobsen
- Timothy Long
- Betty Rose Nagle
- Carroll A. Nelson
- E. S. Ramage
- Ian Thomson

#### Academic Advising

- Kim Hinton, Theatre and Drama A250, (812) 855-4342

### Major in Latin or Greek

Students must complete a minimum of 30 credit hours, including the following:

1. 21 credit hours of Latin and Greek courses. For majors with a concentration in Latin, any Greek course at or above G305 and Latin courses at or above L200 (not including L300) will apply to this requirement, and at least two of the Latin courses (not including L400 or L495) must be at the 400 level. For majors with a concentration in Greek, any Greek course at or above G200 and Latin courses at or above L304 (with the exception of L400) will apply to this requirement.
2. One of the following classical civilization courses: C308, C310, C311, C321, C350, C351, C360, C361, C362, C395, C396, C397, C405, C409, C412, C413, C414, C416, C419, C420, C421, C422, C423,

C491, or C494. Note: C494 is recommended. One course from the list of cross-listed courses for the Major in Classical Civilization may be applied to this requirement.

3. Six additional credit hours of Greek, Latin, or classical civilization courses. L100, L150, L300, and C209 do not apply to this requirement.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### Recommendations

Students should take courses in both Latin and Greek. Recommended electives are C101, C102, C205, C412, C413, and C414; any other foreign language courses; and courses in archaeology, comparative literature, English, fine arts, folklore, history, library science, linguistics, philosophy, and religious studies.

### Secondary Teacher Certification

Because careful planning is necessary, students expecting to teach Latin at the high school level should confer with the undergraduate advisor at the beginning of their freshman year.

### Major in Classical Civilization: Culture and Literature

#### Required Courses

Students must complete a minimum of 30 credit hours, including the following:

1. Two of the following: C101, C102, C205, C206.
2. One of the following: C308, C310, C311, C350, C351, C360, C361.
3. C494 or H494.
4. 12 credit hours of additional course work chosen from the following: C308, C310, C311, C321, C350, C351, C360, C361, C362, C397, C405, C408, C409, C416, C491, or any of the courses cross-listed under Literature and Culture.
5. 6 credit hours of additional course work chosen from
  - C308, C310, C311, C321, C350, C351, C360, C361, C362, C397, C405, C408, C409, C416, C491, or any of the courses cross-listed under Culture and Literature.
  - Any course(s) in Greek.
  - Any course(s) in Latin at L200 or above (but not L300).
  - C101, C102, C205.

Students must also complete the degree requirements of the College of Arts and Sciences.

### Major in Classical Civilization: Art and Archaeology

#### Required Courses

Students must complete a minimum of 30 credit hours, including the following:

1. C206.
2. One of the following: C308, C310, C311, C350, C351, C360, C361.
3. C494 or H494.
4. 12 credit hours of specialized course work chosen from the following: C396, C412, C413, C414, C416,

- C419, C420, C421, C422, C423, or any of the courses cross-listed under Art and Archaeology.
5. 9 credit hours of additional course work chosen from:
    - C396, C412, C413, C414, C416, C419, C420, C421, C422, C423, or any of the courses cross-listed under Art and Archaeology.
    - Any course(s) in Greek.
    - Any course(s) in Latin at L200 or above (but not L300).
    - C101, C102, C205.

Students must also complete the degree requirements of the College of Arts and Sciences.

## Minor in Greek

### Required Courses

15 credit hours or more in Greek, including at least 9 credit hours at G305 or above.

1. The minor is to be completed with an average grade of C or higher.
2. With the approval of the director of undergraduate studies, up to 3 credit hours of G495 may be substituted and counted toward the minor.
3. Students may transfer up to 6 hours of credit from another institution to count toward the minor with the approval of the director of undergraduate studies.

A student majoring in Greek or Latin may not earn a minor in Greek.

## Minor in Latin

### Required Courses

15 credit hours or more in Latin at or above the 200 level, including at least 9 hours at or above L304. L300 may not count toward the minor in Latin. Neither L400 nor L495 may count toward the 9 hours at or above L304. The minor is to be completed with an average grade of C or higher.

1. With the approval of the director of undergraduate studies, up to 3 credit hours of L495 may be substituted and counted toward the minor.
2. Students may transfer up to 6 hours of credit from another institution to count toward the minor with the approval of the director of undergraduate studies.

A student majoring in Greek or Latin may not earn a minor in Latin.

## Minor in Classical Civilization

### Required Courses

15 credit hours or more, including 9 credit hours at or above the 300 level.

1. The minor is to be completed with an average grade of C or higher.
2. With the approval of the director of undergraduate studies, up to 3 credit hours of conference courses (C495, G495, L495) may be substituted and counted toward the minor.
3. Students may transfer up to 6 credit hours from another institution to count toward the minor with the approval of the director of undergraduate studies.

Two tracks are available:

### Culture and Literature Emphasis

The following courses are required: C101 or C102, C205 or C405. Any three of the following courses may be counted toward the minor: C308, C310, C311, C321, C350, C351, C360, C361, C362, C397 or History C376, C377, C388, C390. See requirements 1, 2, and 3 above.

### Art and Archaeology Emphasis

The following courses are required: C101 or C102, C206. Any three of the following courses may be counted toward the minor: History C376, C377, C388, C390, or CLAS C396, C409, C411, C412, C414, C419, C420, C421, C422. See requirements 1, 2, and 3 above.

## Departmental Honors Program

There are two requirements for earning departmental honors:

1. The honors candidate must maintain a minimum GPA of 3.300 overall and 3.500 in the major.
2. The honors candidate researches and completes an honors thesis or equivalent project under the close supervision of a faculty advisor during the senior year. The honors candidate enrolls in C399 and/or C499 in the senior year to research and complete the thesis; this course work is in addition to the 27 credit hours required of the regular major. The thesis or project must represent original research focused on primary sources relating to the ancient Greeks and Romans and involve significant, analytical writing (30–40 pages). The finished thesis must be read and approved by the faculty supervisor and a second faculty reader.

## Study Abroad

Majors are encouraged to study overseas. The department participates in the programs available through College Year in Athens and the Intercollegiate Center for Classical Studies in Rome.

## Course Descriptions

### Ancient Greek Courses

**CLAS-G 100 Elementary Greek I (4 cr.)** Fundamentals of both classical and *koine* (New Testament) Greek; developing reading comprehension. Credit not given for both G100 and G301. I Sem.

**CLAS-G 150 Elementary Greek II (4 cr.)** P: G100 or equivalent. Fundamentals of both classical and *koine* (New Testament) Greek; developing reading comprehension; selections from classical authors and the New Testament. Credit not given for both G150 and G302. II Sem.

**CLAS-G 200 Intermediate Greek (3 cr.)** P: G150 or permission of instructor. Continuation of G150. Advanced grammatical, morphological, and lexical components of Ancient Greek. Readings in Plato. I Sem.

**CLAS-G 250 Introduction to Attic Greek Prose and Poetry (3 cr.)** P: G200 or permission of instructor. Readings in Plato, Lysias, and Euripides. Credit not given for both G250 and G302. II Sem.

**CLAS-G 305 Greek Tragedy (3 cr.) CASE A&H** P: One of G250, G302, or G308. One play of Sophocles and

one of Euripides in the light of the social and cultural background.

**CLAS-G 306 Greek Oratory (3 cr.) CASE A&H** P: One of G250, G302, or G308. Selected readings in the Greek orators, such as Lysias and Demosthenes, with some discussion of the development of prose artistry and rhetorical theory.

**CLAS-G 307 Selected Works of Plato (3 cr.) CASE A&H** P: One of G250, G302, or G308. An introduction to the works of Plato, emphasizing the figure of Socrates.

**CLAS-G 308 Readings in Biblical Greek (3 cr.) CASE A&H** P: G200 or G302. Selected readings from the New Testament and Septuagint. II Sem.

**CLAS-G 396 Classical Greek Abroad (1-9 cr.)** P: Acceptance into an approved Indiana University overseas study program. Credit for foreign study at an advanced level in Classical Greek when no equivalent course is available among departmental offerings. May be repeated for a maximum of 9 credit hours.

**CLAS-G 401 Archaic Greek Poetry (3 cr.)** P: One of G250, G305, G306, G307, G308. Selections from archaic Greek poetry, such as the works of Sappho, Bacchylides, and Pindar. Attention will be given to dialect, style, and cultural context.

**CLAS-G 406 Homer (3 cr.) CASE A&H** P: One of G250, G302, or G308. Introduction to the Homeric dialect and epic style and study of Homer's place in Greek culture through readings from the *Iliad* or *Odyssey*.

**CLAS-G 407 Greek Historians (3 cr.) CASE A&H** P: One of G250, G302, or G308. Selections from Herodotus and Thucydides, with attention to the authors' literary style, their conception of history and the causation of events, and their portrayal of individuals and states.

**CLAS-G 410 Greek Prose Authors (3 cr.) CASE A&H** P: One of G250, G302, or G308. Advanced reading material taken from such historians, orators, and philosophers as Thucydides, Demosthenes, Isocrates, Plato, and Aristotle.

**CLAS-G 411 Greek Comedy (3 cr.) CASE A&H** P: One of G250, G302, or G308. Aristophanes and Menander; emphasis on the cultural background and the development of comic drama at Athens. May be repeated once for a maximum of 6 credit hours.

**CLAS-G 495 Individual Reading in Greek (1-3 cr.)** P: Consent of department. May be repeated once for a maximum of 6 credit hours.

#### Latin Courses

**CLAS-L 100 Elementary Latin I (4 cr.)** Fundamentals of the language; develops direct reading comprehension of Latin. Credit not given for both L100 and L300. I Sem.

**CLAS-L 103 Intermediate Latin (4 cr.)** Intensive review of fundamentals of the language for students who have placed into the second semester of first-year study. Credit given for only one of L103, L150, or L300. I Sem.

**CLAS-L 150 Elementary Latin II (4 cr.)** P: L100 or equivalent. Fundamentals of the language; develops direct reading comprehension of Latin. Credit not given for both L150 and L300. II Sem.

**CLAS-L 200 Second-Year Latin I (3 cr.)** P: L103, L150 or placement. Reading from selected authors, emphasizing the variety of Latin prose. Examination of the concept of genre. Grammar review or prose composition. Credit not given for both L200 and L400. I Sem.

**CLAS-L 250 Second-Year Latin II (3 cr.)** P: L200 or placement. Reading from Virgil's *Aeneid* with examination of the epic as a whole. Prosody of dactylic hexameter and study of poetic devices. Grammar review. Credit not given for both L250 and L400. II Sem.

**CLAS-L 300 Intensive Introduction to Classical and Medieval Latin (4 cr.)** P: Completion of the B.A. language requirement in another language, or graduate student status. A rapid survey of fundamentals designed, with L400, to help students develop the ability to read Latin readily. Not open to undergraduate students with credit in any college Latin course. No credit given to students who have passed L100 or L150.

**CLAS-L 304 Catullus (3 cr.) CASE A&H** P: L250 or equivalent. Selections from the poetry of Catullus with discussion of the cultural and political contexts. Some attention will be given to the origins and nature of Latin epigram and occasional verse.

**CLAS-L 305 Ovid (3 cr.) CASE A&H** P: L250 or equivalent. Selections from the *Metamorphoses* and other writings; emphasis on Ovid's artistic and social importance. I Sem.

**CLAS-L 307 Cicero (3 cr.) CASE A&H** P: L250 or equivalent. Selections from the orations, epistles, and philosophical writings; emphasis on Cicero's political importance and the influence of the man and his work. I Sem.

**CLAS-L 308 Caesar (3 cr.) CASE A&H** P: L250 or equivalent. Readings from Caesar's *De Bello Gallico* and *De Bello Civilis* with emphasis on syntax as well as a discussion of political background and Caesar as a cultural figure.

**CLAS-L 309 Introduction to Vergil's Aeneid (3 cr.) CASE A&H** P: L250 or equivalent. Selections from Books 7-12 with discussion of the cultural background of the epic. Some attention will be given to the origin and nature of Latin epic poetry. II Sem.

**CLAS-L 396 Classical Latin Abroad (1-9 cr.)** P: Acceptance into an approved Indiana University overseas study program. Credit for foreign study at an advanced level in Classical Latin when no equivalent course is available among departmental offerings. May be repeated for a maximum of 9 credit hours.

**CLAS-L 400 Intensive Study of Literary Latin (3-4 cr.)** P: L300 or consent of instructor. For undergraduates who have already completed the language requirement for the B.A. in another language. May be taken for graduate credit. Designed to broaden and deepen students' knowledge of Latin literature as well as to improve their reading ability. Cicero and Virgil are among the authors read. No credit given to students who have passed L200 or L250. II Sem.

#### 400-Level Courses

Classical Studies strongly recommends that students take two 300-level courses from L304, L305, L307, L308,

L309, and L310 (or the equivalent) before enrolling in the following 400-level courses.

**CLAS-L 407 Roman Lyric and Elegy (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Introductory study of Roman lyric and elegiac poetry, with selections from Catullus, Horace, Tibullus, Propertius, and Ovid. Emphasis on interpretation of individual poems and on their place in the ancient traditions of lyric and elegy.

**CLAS-L 408 Roman Comedy (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Introductory study of ancient Roman comedy, with selections from Plautus and Terence. II Sem.

**CLAS-L 409 Readings in Medieval Latin (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Survey of the secular and religious literature of the Middle Ages; discussion of the later development of the Latin language; selections from such authors as Gregory of Tours, Isidore of Seville, Paul the Deacon, Matthew Paris, and Bernard of Cluny.

**CLAS-L 410 Advanced Prose Composition (3 cr.)** P: One of L304, L305, L307, L308, L309, L310, or consent of instructor. Exercises in composition requiring control of principal features of Latin syntax.

**CLAS-L 423 Roman Satire (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Representative satires of Horace, Persius, and Juvenal with emphasis on their literary qualities and on the historical development of Roman satire. Authors will be studied against the social and cultural background of their times.

**CLAS-L 424 Silver Age Historians (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Selections from Suetonius and Tacitus illustrating the characteristics of silver Latin prose and the authors' methods of depicting government and society in the early empire. Particular attention given to Tacitus's literary technique.

**CLAS-L 426 Rhetoric and Oratory (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. History of Roman rhetoric and oratory; emphasis on Cicero and Quintilian.

**CLAS-L 427 Virgil's Eclogues and Georgics (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Virgil's earlier work; emphasis on the development of his poetic technique and on the poet's role in the new order of Augustus.

**CLAS-L 428 Advanced Study of Virgil's Aeneid (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Extensive reading in the *Aeneid*, with special attention to the poetic art of Virgil. Detailed study of Latin epic poetry.

**CLAS-L 429 Roman Letters (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Selected letters of Cicero, Pliny, or Seneca, illustrating the art of letter writing in Rome and reflecting the personal interests and activities of the writers as well as the social and political conditions of their times.

**CLAS-L 430 Lucretius (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Extensive reading in the text of *De Rerum Natura* and consideration of Epicureanism as a philosophical and social movement.

**CLAS-L 432 Livy (3 cr.)** P: One of L304, L305, L307, L308, L309, or L310. Readings from Livy's Roman history with discussion of the author's methods and values.

**CLAS-L 495 Individual Reading in Latin (1-3 cr.)** P: Consent of department. May be repeated once for a maximum of 6 credit hours.

#### Classics Courses

Classics courses (except C399 and C499) require no knowledge of the Greek or Latin language.

**CLAS-C 101 Ancient Greek Culture (3 cr.) CASE A&H, CASE GCC** Examination and evaluation of the ideas of the Greeks as reflected in their traditions and way of life and in their intellectual and artistic achievements. Selection from general works and Greek authors in English translation. I Sem.

**CLAS-C 102 Roman Culture (3 cr.) CASE A&H, CASE GCC** Examination and evaluation of the Romans as reflected in their traditions and way of life and in their intellectual and artistic achievements. Major topics: the person (rights, restrictions, environment), society and politics, intellectual and spiritual life. II Sem.

**CLAS-C 205 Classical Mythology (3 cr.) CASE A&H, CASE GCC** Introduction to Greek and Roman myths, legends, and tales, especially those that have an important place in the Western cultural tradition. I Sem., II Sem.

**CLAS-C 206 (FINA-A 206) Classical Art and Archaeology (3 cr.) CASE A&H, CASE GCC** Survey of the art and archaeology of classical lands from the Minoan-Mycenaean Age through classical Greece and Rome. Emphasis on the contribution of archaeology to our understanding of classical culture. I Sem., II Sem.

**CLAS-C 209 Medical Terms from Greek and Latin (2 cr.)** Basic vocabulary of some 1,000 words, together with materials for formation of compounds, enables the student to build a working vocabulary of several thousand words. Designed for those intending to specialize in medicine, nursing, dentistry, or microbiology. Does not count toward the foreign language requirement or the distribution requirement. I Sem., II Sem.

**CLAS-C 308 Roman Law (3 cr.) CASE A&H, CASE GCC** R: C102. An introduction to Roman law and legal reasoning through analysis of legal cases on topics such as theft, damage, slavery, marriage, inheritance. Taught through casebook method requiring daily participation in discussion; other requirements include short writing exercises, exams, and papers.

**CLAS-C 310 Classical Drama (3 cr.) CASE A&H, CASE GCC** Masterpieces of ancient Greek and Roman theatre studied in relation to literary, archaeological, and artistic evidence for their production and interpretation.

**CLAS-C 311 Classical Epics (3 cr.) CASE A&H, CASE GCC** The development of Greek and Latin epic from the rich oral tradition of Homer to the strictly literary form exemplified by Virgil's *Aeneid*. Epic masterpieces are read with reference to relevant historical and archaeological background.

**CLAS-C 321 Classical Myth and Culture in Film (3 cr.) CASE A&H, CASE GCC** P: C205 or permission of the

instructor. Examines depictions of ancient Greece and Rome in modern cinema and television. Questions to be asked: How historically accurate are these onscreen versions of antiquity? What conventions and stereotypes appear? How has classical mythology been treated? How do these films reflect the period in which they were made?

**CLAS-C 350 Greek Literature in Translation (3 cr.) CASE A&H, CASE GCC**

Survey of Greek literature through selected literary works of such authors as Homer, Herodotus, Thucydides, Sophocles, Euripides, Aristophanes, and Plato.

**CLAS-C 351 The Golden Age of Athens (3 cr.) CASE A&H, CASE GCC**

Literary and artistic masterpieces of classical Greece viewed against the intellectual, cultural, and political background of democratic Athens.

**CLAS-C 360 Roman Literature in Translation (3 cr.) CASE A&H, CASE GCC**

Survey of Latin literature from its beginnings to the middle of the second century after Christ. Among authors read are Plautus, Terence, Catullus, Cicero, Horace, Virgil, Ovid, Petronius, Juvenal, Tacitus, and Apuleius.

**CLAS-C 361 The Golden Age of Rome (3 cr.) CASE A&H**

Literary and artistic masterpieces of the Augustan age viewed in connection with the foundation of the Roman Empire.

**CLAS-C 362 Later Latin Literature in Translation (3 cr.) CASE A&H, CASE GCC**

R: C102. Survey of Latin literature from Late Antiquity through the Middle Ages. Authors may include Jerome, Augustine, Prudentius, Alcuin, Einhard, Hrotsvitha, Peter Abelard, Heloise, Hildegard of Bingen, and Petrarch.

**CLAS-C 395 Topics in Classical Art and Archaeology (3 cr.)**

P: CLAS C206 or FINA C206. Special topics in the history and study of classical archaeology. May be repeated once with a different topic for a maximum of 6 credit hours.

**CLAS-C 396 Classical Archaeology Abroad (1-9 cr.)**

P: Acceptance into an approved Indiana University overseas study program. Credit for foreign study in classical archaeology when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 9 credit hours.

**CLAS-C 397 Classical Civilization Abroad (1-9 cr.)**

P: Acceptance into an approved Indiana University overseas study program. Credit for foreign study in Classical Civilization when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 9 credit hours.

**CLAS-C 399 Reading for Honors (1-12 cr.)** P: Approval of departmental honors advisor. I Sem., II Sem.

**CLAS-C 405 Comparative Mythology (3-4 cr.) CASE A&H**

P: C205, graduate standing, or consent of instructor. Advanced, theoretical study of the forms and functions of classical Greek and Roman myths, including reading and evaluation of comparable myths in ancient Near Eastern cultures (Egypt, Mesopotamia, Anatolia, Canaan). Comparative reading and evaluation of selected myths from outside the Mediterranean cultural area.

**CLAS-C 409 Roman Literature and Art (3 cr.) CASE A&H**

P: C102, C206 or FINA A206. An interdisciplinary

investigation of selected works of Roman art and literature with attention to their common aesthetic ground, their role as expressions of Roman social ideology, and their place in the evolution of Roman culture.

**CLAS-C 412 (FINA-A 412) The Art and Archaeology of the Aegean (3-4 cr.) CASE A&H, CASE GCC**

P: CLAS C206 or FINA A206. Introduction to the preclassical art and archaeology of the Aegean Basin: Greece, Crete, and the Aegean islands during the Stone and Bronze Ages (to about 1000 B.C.). Topics covered include Troy, Minoan Crete, and Mycenaean Greece.

**CLAS-C 413 (FINA-A 413) The Art and Archaeology of Greece (3-4 cr.) CASE A&H**

P: CLAS C206 or FINA A206. Art and archaeology of Greece from about 1000 B.C. through the Hellenistic period. Special attention given to the development of Greek architecture, sculpture, and vase painting. Continuation of CLAS C412 (FINA A412), but CLAS C412 (FINA A412) is not a prerequisite.

**CLAS-C 414 (FINA-A 414) The Art and Archaeology of Rome (3-4 cr.) CASE A&H**

P: CLAS C206 or FINA A206. Development of Roman architecture, sculpture, and painting from the beginning through the fourth century A.D. Consideration given to the major archaeological sites. Continuation of CLAS C413 (FINA A413), but CLAS C413 (FINA A413) is not a prerequisite.

**CLAS-C 416 Ovidian Mythology and Its Tradition (3 cr.) CASE A&H**

P: C205, L305, or consent of instructor. Study of Ovid's love poems and Metamorphoses and their importance for the transmission of classical mythology within the literary and artistic traditions of western Europe. Post-Ovidian examples will include selections from Spenser, Apuleius, Petrarch, Chaucer, and Shakespeare and paintings by Botticelli, Raphael, Coreggio, Titian, the Carracci, and Poussin.

**CLAS-C 419 The Art and Archaeology of Pompeii (3-4 cr.) CASE A&H**

P: One of C102, C206, or FINA A206. Survey of the archaeological evidence of the best-preserved ancient city, noting its importance to our knowledge of everyday life in the first century A.D.

**CLAS-C 420 Topography and Monuments of Athens (3 cr.) CASE A&H**

P: One of C101, C206, or FINA A206. An archaeological survey of the major monuments of ancient Athens from the prehistoric through the Roman eras. Topics include basic architectural forms and their political, social, and religious functions; Athenian democracy, political patronage, and building programs; and the integration of historical sources and the archaeological record.

**CLAS-C 421 Topography and Monuments of Ancient Rome (3 cr.) CASE A&H**

P: One of C102, C206, or FINA A206. Study of the remains and knowledge of the physical fabric of ancient Rome, from its foundations through the high empire. It is the purpose of the course not only to introduce the student to the city and its monuments, but also through the monuments to provide a better understanding of the history of the city, its statesmen, and authors.

**CLAS-C 422 Greek Sculpture (3 cr.)** P: One of C101,

C206, or FINA A206. Analytical survey of ancient Greek sculpture from the Archaic through the Classical periods (c. 600–323 B.C.). Topics include the origins

and techniques of Greek sculptures; free-standing and architectural sculpture in religious, funerary, and public contexts; lost "masterpieces" of ancient Greek art; and the problems of Roman copies.

**CLAS-C 423 Ancient Painting (3 cr.)** P: C205. Minoan/Mycenaean palace painting; Hellenistic paintings in Macedonia; Etruscan and Lucanian tomb painting; Greek vases from Athens to Southern Italy and the public buildings and houses of the Roman world; Fayum portraits in Egypt and Roman catacombs.

**CLAS-C 491 Topics in Classical Studies (3 cr.)** A detailed examination of a particular aspect of classical civilization using a variety of literary and archaeological evidence.

**CLAS-C 494 Problems in Classical Civilization (3 cr.)** P: Junior or senior standing. R: 6 credit hours of literature. Detailed study of one aspect of the society and culture of Greece and Rome. Typical subjects: ancient literary criticism, the Classical Heritage, urban problems. **Note:** Offered fall only. May be repeated once for credit.

**CLAS-C 495 Individual Reading in Classics (1-3 cr.)** P: Consent of department. May be repeated once for a maximum of 6 credit hours.

**CLAS-C 498 Internship in Classical Studies (1-3 cr.)** P: Major standing; minimum GPA of 3.500; prior arrangement with faculty member or supervisor; departmental authorization. Supervised experience in teaching Latin, Greek, or classical civilization at the undergraduate level or supervised internship in a museum. May be repeated once for a maximum of 6 credit hours; only 3 credit hours may count toward the major with approval of the undergraduate advisor.

**CLAS-C 499 Reading for Honors (1-12 cr.)** P: Approval of departmental honors advisor. May be repeated for a maximum of 12 credit hours.

## Cross-Listed Courses

### Art and Archaeology

- ANTH-P 301 Archaeological Methods and Analyses (3 cr.)
- ANTH-P 409 Archaeological Ethics (3 cr.)
- FINA-A 310 Topics in Ancient Art (3 cr.) **CASE A&H**
- FINA-A 311 The Art of the Classical Age of Greece (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 312 The Art of the Roman Empire from Augustus to Constantine (3 cr.) **CASE S&H**
- FINA-A 313 Greek Pottery and Painting (3 cr.)
- FINA-A 314 History of Greek Sculpture (3 cr.)
- FINA-A 316 Ancient Art from Alexander the Great to Augustus (3 cr.) **CASE A&H**
- FINA-A 410 Topics in Ancient Art (3-4 cr.)
- FINA-A 415 Roman Painting (4 cr.) **CASE S&H**
- FINA-A 416 Greek Architecture (4 cr.)
- FINA-A 417 Roman Sculpture (4 cr.) **CASE S&H**
- FINA-A 418 Roman Architecture (4 cr.)

### Culture and Literature

- HIST-C 376 Greek History: Bronze Age to the Persian Wars (3 cr.) **CASE S&H, CASE GCC**
- HIST-C 377 Greek History: The Persian Wars to the Legacy of Alexander (3 cr.) **CASE S&H, CASE GCC**

- HIST-C 388 Roman History (3 cr.) **CASE S&H, CASE GCC**
- HIST-C 390 The Decline and Fall of the Roman Empire (3 cr.) **CASE S&H, CASE GCC**
- REL-A 305 Ancient Mediterranean Religions (3 cr.) **CASE A&H, CASE GCC**
- REL-A 321 Paul and His Influence in Early Christianity (3 cr.) **CASE A&H, CASE GCC**

## Cognitive Science

### Introduction

The Cognitive Science Program (COGS) explores the nature of intelligent systems. At its core, the program focuses on formal theories of mind and information. The field is inherently interdisciplinary, with contributions from computer science, psychology, philosophy, neuroscience, linguistics, biology, anthropology, and other fields. Both natural intelligence (in humans and in animals) and artificial intelligence fall within the scope of inquiry. The field deals with aspects of complex cognition, computational models of thought processing, knowledge representation, dynamics of real-world engagement, and emergent behavior of large-scale interacting systems.

Goals of the Cognitive Science Program include a better understanding of mind, learning and teaching, cognitive skills, and the development of intelligent systems designed to augment human capacities in constructive ways.

The Cognitive Science Program is structured to give students fundamental skills, applicable in a wide variety of information-related careers: psychology, neuroscience, artificial intelligence, telecommunications, information processing, medical analysis, data representation and information retrieval, education, scientific research, human-computer interaction, multimedia, knowledge management, and information policy. The skills also have wide applicability in technical and expository writing, mathematical analysis, experimental techniques, and computer programming.

Students interested in a cognitive science degree are encouraged to take advantage of services and opportunities that complement their academic study: advising, colloquium series, internships, research, the Student Organization for Cognitive Science (SOCS), and a free technical report series.

### Contact Information

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## Faculty

### Director of Cognitive Science and Provost Professor of History and Philosophy of Science and Medicine

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- Elisabeth Lloyd

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- Robert Goldstone
- Robert M. Nosofsky
- David B. Pisoni
- Steven J. Sherman
- Linda B. Smith

**Distinguished Professor and College Professor of Cognitive Science and Computer Science**

- Douglas Hofstadter

**Distinguished Professor, Biology**

- Michael J. Wade

**Distinguished Professor, Biology, Gender Studies**

- Ellen Ketterson

**Distinguished Professors, Psychological and Brain Sciences**

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- James T. Townsend
- Robert M. Nosofsky
- Richard M. Shiffrin

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- Gary Kidd

**Distinguished Professor, Telecommunications**

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**Eleanor Cox Riggs Professor, Psychological and Brain Sciences**

- Aina Puce

**Luther Dana Waterman Research Professor, Psychological and Brain Sciences**

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**John F. Mee Chair, Management**

- Philip Podsakoff

**Provost Professors, Psychological and Brain Sciences**

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- Olaf Sporns

**Rudy Professors, Psychological and Brain Sciences**

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- James T. Townsend
- Stanley Wasserman

**Rudy Professor, Sociology**

- Stanley Wasserman

**Rudy Professor, Statistics**

- Stanley Wasserman

**Victor H. Yngve Professor, Information Science**

- Katy Börner

**War Years Chancellor's Professor, Psychological and Brain Sciences**

- Eliot R. Smith

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- Geoffrey P. Bingham (Psychological and Brain Sciences)
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- Fritz Breithaupt (Germanic Studies)
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- Greg Demas (Biology)
- Kenneth de Jong (Cognitive Science, Linguistics)
- Tom Evans (Geography)
- Steven Franks (Linguistics, Slavics and East European Languages and Cultures)
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- Erik Stolterman (School of Informatics and Computing)
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- Frances Trix (Anthropology, Linguistics)
- Michael W. Trosset (Statistics)
- Frederick Unverzagt (Clinical Psychiatry, Clinical Medical and Molecular Genetics)
- Dirk Van Gucht (School of Informatics and Computing)
- Michael J. Wade (Biology)
- James Walker (Economics)
- Arlington Williams (Economics)
- Wayne L. Winston (Kelley School of Business)

#### **Associate Professors**

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- Raquel Anderson (Speech and Hearing Sciences)
- John Beggs (Physics)
- Eli Blevis (School of Informatics and Computing)
- Johan Bollen (School of Informatics and Computing)
- Joshua W. Brown (Psychological and Brain Sciences)
- Rowan Candy (School of Optometry)
- Jordi Cat (History and Philosophy of Science and Medicine)
- Michel Chaouli (Germanic Studies)
- Amy Cook (Theatre, Drama and Contemporary Dance)
- Isabelle Darcy (Second Language Studies)
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- Robert Potter (Telecommunications)
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- David Stringer (Second Language Studies)
- Chen Yu (Cognitive Science, Psychological and Brain Sciences)

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- Shahzeen Z. Attari (School of Public and Environmental Affairs)
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- Joshua Danish (School of Education)
- Simon DeDeo (School of Informatics and Computing)
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- Amy Hackenberg (School of Education)
- Kris Hauser (School of Informatics and Computing)
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- Anne Krendl (Psychological and Brain Sciences)
- David Landy (Psychological and Brain Sciences)
- Chien-Jer Charles Lin (East Asian Languages and Cultures)
- Steven Lulich (Speech and Hearing Sciences)
- Adam V. Maltese (School of Education)
- Stasa Milojevic (School of Informatics and Computing)
- Mary Murphy (Psychological and Brain Sciences)
- Rita Patel (Speech and Hearing Sciences)
- Nicholas Port (School of Optometry)
- Robert Joseph Rydell (Psychological and Brain Sciences)
- Selma Sabanovic (School of Informatics and Computing)
- Chung-chieh Shan (School of Informatics and Computing)
- Andrew Weaver (Telecommunications)
- Yucel Yilmaz (Second Language Studies)

#### **Adjunct Professors**

- Kathleen Bardovi-Harlig (Linguistics)
- Katy Börner (School of Informatics and Computing)
- Fritz Breithaupt (Comparative Literature)
- Phil Connell (Linguistics, Speech and Hearing Sciences)
- Isabelle Darcy (Linguistics)
- Kenneth de Jong (Second Language Studies)
- Ying Ding (School of Informatics and Computing)
- Ruth Eberle (Cognitive Science)
- Steven Franks (Linguistics, Slavics and East European Languages and Cultures)
- Lisa Gershkoff (Psychological and Brain Sciences)
- Douglas Hofstadter (Comparative Literature, School of Informatics and Computing)
- Erick Janssen (Psychological and Brain Sciences)

- Karen Iler Kirk (Otolarynology)
- John K. Kruschke (Statistics)
- Adam V. Maltese (Geological Sciences)
- Michael A. McRobbie (Cognitive Science, School of Informatics and Computing)
- Filippo Menczer (Physics)
- James D. Miller (Speech and Hearing Sciences)
- Lawrence S. Moss (Mathematics)
- John Paolillo (Linguistics)
- Christopher Raphael (School of Informatics and Computing)
- David Stringer (Linguistics)
- Larry Yaeger (School of Informatics and Computing)
- Hui Zhang (Cognitive Science)

#### **Professors Emeriti**

- Ivor Davies (School of Education)
- Daniel Dinnsen (Linguistics)
- Thomas M. Duffy (School of Education)
- J. Michael Dunn (School of Informatics and Computing)
- Michael Gasser (Cognitive Science, School of Informatics and Computing)
- S. Lee Guth (Psychological and Brain Sciences)
- Andrew J. Hanson (School of Informatics and Computing)
- Jeffrey Hart (Political Science)
- Beverly Hartford (Second Language Studies)
- Diane Kewley-Port (Speech and Hearing Sciences)
- Eugene Kintgen (English)
- Richard A. Lesh (School of Education)
- Frank K. Lester, Jr. (School of Education)
- David MacKay (Kelley School of Business)
- Daniel Maki (Mathematics)
- Eugene McGregor (School of Public and Environmental Affairs)
- Phillip Podsakoff (Kelley School of Business)
- Robert F. Port (Linguistics, School of Informatics and Computing)
- Charles Reigeluth (School of Education)
- Edward Robertson (School of Informatics and Computing)
- Alfred Strickholm (Physiology, Neural Science)
- Larry N. Thibos (School of Optometry)
- Maynard Thompson (Mathematics)
- William D. Timberlake (Psychological and Brain Sciences)
- Charles S. Watson (Speech and Hearing Sciences)
- Wayne L. Winston (Kelley Shool of Business)
- George M. von Furstenberg (Economics)

#### **Lecturer**

- Leah Savion (Philosophy)

#### **Directory of Technology**

- Ruth Eberle (Cognitive Science)

#### **Academic Advising**

- Izabela Ziolkowska-Kenney  
Eigenmann Hall 815  
(812) 856-0052

## **Major in Cognitive Science—B.A.**

### **Required Courses**

In addition to the degree requirements for the B.A. degree in the College of Arts and Sciences, including the requirement for a minimum of 30 College of Arts and Sciences credit hours in the major subject area, students must complete the following:

**1. CORE:** The five-course sequence: Q240, Q260, Q320, Q350 and Q370. Q260 and Q320 are first- and second-8-week courses, respectively, and are normally scheduled so that they may be taken consecutively during the same semester. Cognitive science majors who earn a grade of B or higher in CSCI-C 211 or equivalent are exempt from Q260.

**2. CONCENTRATION:** Three courses in one of the following areas: cognition, computation, foundations, informatics, language, logic, and neuroscience. Of these three courses, at least two must be at or above the 200 level, and at least one at or above the 300 level.

The following courses are preapproved for the seven concentrations:

- **Cognition:** COGS Q301; HON H241 (Approved topic: Animal Thinking); PSY P325, P329, P330, P335, P350, P424, P435, P438, P440, P441, P443; SPHS S307.
- **Computation:** COGS Q351, Q360; CSCI A321, C211, C212, C241, C311, C335, C343, B351 (or their honors equivalents)
- **Foundations:** HON H241 (Approved topic: Animal Thinking); PHIL P310, P312, P320, P360, P366
- **Informatics:** INFO I210 (or CSCI A201), I211 (or CSCI A202 or C212), I300, I320; CSCI A346
- **Language:** LING L203, L306, L307, L308, L310, L325, L430, L490; PSY P438, P441; SPHS S201, S302, S307, S333, S378, S420, S436
- **Logic:** PHIL P250, P251, P350, P352; MATH M384, M385; CSCI B401, P415
- **Neuroscience:** COGS Q301; PHYS P317; PSY P326, P337, P346, P407, P410, P411, P423, P426, P441

In addition to these preapproved concentrations, other specialized concentrations may be designed by individual students and submitted for approval to the cognitive science undergraduate curriculum committee.

**3. BREADTH:** Three ADDITIONAL courses from at least two different departments, outside of the concentration area. For a list of such courses, please see the section of this *Bulletin* entitled "Courses Related to Cognitive Science." The cognitive science undergraduate curriculum committee must approve courses not on the list on an individual basis.

**4. SENIOR SEMINAR:** Students must complete COGS Q400 Senior Seminar in the Cognitive and Information Sciences.

**5.** A minimum of 18 credit hours of course work in the major must be completed at the 300–400 level.

## Major in Cognitive Science—B.S.

Students must complete the following Foundations, Intensive Writing, Foreign Language, and Breadth of Inquiry requirements:

1. Writing, same as B.A. degree (English Composition, Intensive Writing).
2. Mathematics: three courses to include (a) MATH-M 211; (b) another MATH course at or above the 200 level; (c) another MATH course at or above the 300 level (includes PSY-K 300 and equivalent statistics courses).
3. Foreign language: three semesters in the same language, or equivalent proficiency.
4. One Critical Approaches course (COLL-C 103, C104, C105, or approved equivalents).
5. Arts and Humanities: two courses.
6. Social and Historical Studies: two courses.
7. Natural and Mathematical Sciences: two courses. Must include at least one Natural Science course in fulfillment of the General Education curriculum, which can be combined with the math and logic foundation courses required by the major (6–8 cr.).
8. One Public Oral Communication course.

### Major Requirements

**1. CORE:** The five-course sequence: COGS-Q 240, Q260, Q320, Q350 and Q370. Q260 and Q320 are first- and second-8-week courses respectively and are normally scheduled so that they may be taken consecutively during the same semester. Cognitive science majors who receive a grade of B or higher in CSCI-C 211 or equivalent are exempt from COGS-Q 260.

**2. CONCENTRATION:** Three courses in one of the following areas: cognition, computation, informatics, language, logic, and neuroscience. Of these three courses, at least two must be at or above the 200 level, and at least one at or above the 300 level.

The following courses are preapproved for the six concentrations:

- **Cognition** HON-H 241 (Approved topic: Animal Thinking), PSY-P 325, P329, P330, P335, P350, P424, P435, P438, P440, P441, P443; SPHS-S 307.
- **Computation** COGS-Q 351, Q360; CSCI-A 321, C211, C212, C241, C311, C335, C343, B351 (or their Honors equivalents).
- **Informatics** INFO-I 210 (or CSCI-A 201), I211 (or CSCI-A 202 or C212), INFO-I 300, I320; CSCI-A 346.
- **Language** LING-L 203, L306, L307, L308, L310, L325, L430, L490; PSY-P 438, P441; SPHS-S 201, S302, S307, S333, S378, S420, S436.
- **Logic** PHIL-P 250, P251, P350, P352; MATH-M 384, M385; CSCI-B 401, P415.
- **Neuroscience** PHYS-P 317; PSY-P 326, P337, P346, P407, P410, P411, P423, P426, P441.

In addition to these preapproved concentrations, other specialized concentrations may be designed by individual students and submitted for approval to the cognitive science undergraduate curriculum committee.

**3. COGNITIVE SCIENCE:** COGS-Q 301 Brain and Cognition.

**4. COMPUTATION:** Two courses at the 200-level or above from the approved list of courses in Computer Science. Please see the listing for "Computer Science" in the section of this *Bulletin* entitled "Courses Related to Cognitive Science."

**5. BREADTH:** Three ADDITIONAL courses from at least two different departments, outside of the concentration area. For a list of such courses, please see the section of this *Bulletin* entitled "Courses Related to Cognitive Science." The cognitive science undergraduate curriculum committee must approve on an individual basis courses that are not on the list.

**6. SENIOR SEMINAR:** Students must complete COGS-Q 400 Senior Seminar in the Cognitive and Information Sciences.

**7. RESEARCH:** At least 6 credit hours from any combination of COGS-Q 493, Q495, and Q499.

8. At least 18 hours of course work must be completed at the 300–400 level.

## Minor in Cognitive Science

At least 15 credit hours in cognitive science, including:

1. At least two of the following courses: Q240, Q350, and Q370.
2. One additional course (or course sequence) in math/ logic or computation for cognitive science:
  - Q350 (unless used to satisfy requirement 1) or
  - Q260 and Q320 (Q260 may be exempted for students with strong computational backgrounds) or
  - Q351
3. Additional course work from the list of courses approved for the COGS major, to satisfy the requirement of 15 credit hours.
4. At least 9 credit hours in the minor must be at the 300-400 level.

## Departmental Honors Program

Students who, in addition to fulfilling the requirements for the major in cognitive science, also carry out an independent project and an honors thesis may be eligible for honors in cognitive science. Application for admission to the cognitive science honors program may be made during the sophomore or junior year to the director of undergraduate studies in cognitive science. Students must have a minimum cumulative grade point average of 3.300 to be eligible for consideration and must maintain this minimum average to graduate with honors. Students must take Q499. The honors thesis must be certified by a committee of at least three faculty members. The committee director and at least one other member must be Cognitive Science Program faculty. Students who wish to combine honors projects in cognitive science and another department or program may apply to both areas, and every attempt will be made to accommodate such a plan.

## Course Descriptions

### COGS-Q 101 Introduction to Cognitive Science

(3 cr.) **CASE N&M** Introduction to the study of the human mind and intelligent systems using an integrative approach. Explores the nature of intelligence through

simulations, robots, human experiments and philosophical inquiry. Topics include perception, consciousness, mental representations, and models of cognition and brain anatomy as each relates to cognition. Provides an overview for those students considering a major in Cognitive Science or a related field.

**COGS-Q 240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.) CASE A&H**

Foundational introduction to the cognitive and information sciences. The primary themes are: (1) causal issues such as functional and computational architecture (e.g., modularity, effectiveness, and implementation, analog/digital), neuroscience, and embodied dynamics; and (2) semantic issues such as meaning, representation, content, and information flow. The role of both themes in logic, perception, computation, cognition, and consciousness. Throughout, an emphasis on writing, analysis, and exposition.

**COGS-Q 260 Programming for the Cognitive and Information Sciences (2 cr.)** P: Mastery of two years of high school algebra or the equivalent. Students will learn to write simple computer programs. Programming assignments will focus on the implementation of an important class of models from cognitive science, such as neural networks or production systems.

**COGS-Q 301 Brain and Cognition (3 cr.) CASE N&M**

R: PSY P101. An introduction to the neural mechanisms underlying complex cognition, and a survey of topics in neuroscience related to cognition. The course provides a solid background in human biopsychology. If Q301 is not offered in a given year, PSY P423 Human Neuropsychology may be substituted for this course.

**COGS-Q 320 Computation in the Cognitive and Information Sciences (2 cr.)** P: COGS Q260 or CSCI C211 with a grade of B or higher. Students will develop their computer programming skills and learn to write programs that simulate cognitive processes and run experiments with human subjects. The relation between computation and intelligence and a selection of approaches from artificial intelligence will be explored.

**COGS-Q 330 Perception/Action (3 cr.) CASE N&M**

P: PSY-P 101 or P 155. Roboticists know that actions like catching a fly ball are exceedingly complex, yet people perform them effortlessly. How perceptual information is generated by and used in guiding such actions is covered, as are issues of motor coordination and control. Classes include laboratories on analysis of optic flow and limb movements. Credit given for only one of COGS-Q 330 or PSY-P 330.

**COGS-Q 350 Mathematics and Logic for the Cognitive and Information Sciences (4 cr.) CASE N&M** P: Mastery of two years of high school algebra or the equivalent. An introduction to the suite of mathematical and logical tools used in the cognitive and information sciences, including finite mathematics, automata and computability theory, elementary probability, and statistics, together with short introductions to formal semantics and dynamical systems. Credit given for only one of COGS Q350 or Q250.

**COGS-Q 351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.) CASE N&M** P: CSCI C211 or consent of instructor. A survey of techniques for machine intelligence and their relation to human

intelligence. Topics include modeling techniques, neural networks and parallel processing systems, problem-solving methods, knowledge representation, expert systems, vision, heuristics, production systems, speech perception, and natural language understanding. Students who have completed both C463 and C464 are exempted from taking this course. Credit not given for both COGS Q351 and CSCI B351.

**COGS-Q 360 Autonomous Robotics (3 cr.)** P: Two semesters of computer programming or consent of instructor. Introduction to the design, construction, and control of autonomous mobile robots. Includes basic mechanics, electronics, and programming for robotics, as well as the applications of robots in cognitive science. Credit given for only one of Q360 or CSCI B355.

**COGS-Q 370 Experiments and Models in Cognition**

**(4 cr.) CASE N&M** P: Mastery of two years of high school algebra or the equivalent. R: PSY K300 or equivalent familiarity with statistics. This course develops tools for studying mind and intelligence, including experimental techniques, and mathematical and computational models of human behavior. Topics include neural structures for cognition, attention, perception, memory, problem solving, judgment, decision making, and consciousness. Students will design and analyze laboratory experiments and apply formal models to the results. Credit given for only one of COGS Q370 or Q270.

**COGS-Q 400 Senior Seminar in Cognitive and Information Sciences (2 cr.)** P: Four courses from Q240, Q260, Q320; Q350 or Q250; Q370 or Q270. This course is intended for students who have completed or nearly completed their cognitive science course work. Students will apply previously acquired analytic, computational, mathematical, and experimental skills to independent research projects. Discussion and research topics may include consciousness, representation, artificial life, modularity, neural networks, functionalism and embodiment, dynamical systems, learning and innateness, human-computer interaction, cognitive neuroscience, robotics, and adaptive systems.

**COGS-Q 450 Topics in the Cognitive and Information Sciences (3 cr.)** In-depth special topics not ordinarily covered in other departmental courses. Topics vary with instructor and semester. May be repeated once with a different topic for a maximum of 6 credit hours.

**COGS-Q 493 Research in the Cognitive and Information Sciences (1-3 cr.)** P: Consent of instructor. Active participation in research under faculty supervision. May be repeated once with a different topic for a maximum of 6 credit hours.

**COGS-Q 495 Project in the Cognitive and Information Sciences (1-3 cr.)** P: Consent of instructor. Students will conduct a research project in the cognitive and information sciences by designing, conducting, and analyzing an independent experiment; by developing and testing a computer simulation of some aspect of cognition; or by otherwise engaging in a program of original research. Projects must be approved in advance and supervised by the instructor. May be repeated (for the same or a different project) for a maximum of 6 credit hours.

**COGS-Q 496 Internship in Professional Practice (1-6 cr.)** P: Sophomore standing or 15 credit hours

completed in cognitive science major or minor, and approval by the Cognitive Science Program. Professional work experience in an industry or research organization setting, using skills/knowledge acquired in cognitive science course work. Requires learning contract. Evaluation by site supervisor and Cognitive Science Program. Does not count toward major or minor requirements; elective credit only. S/F grading. May be repeated for a total of 6 credit hours.

**COGS-Q 498 Readings in the Cognitive and Information Sciences (1-3 cr.)** P: Consent of instructor. Tutorial study in specialized topics of the cognitive and information sciences. May be repeated for a maximum of 6 credit hours.

**COGS-Q 499 Honors Research Project in the Cognitive and Information Sciences (3 cr.)** P: Consent of instructor. Honors Committee approved by the Cognitive Science Program. Methods of research in cognitive science are analyzed. Students present their projects for discussion and analysis. May be repeated for a maximum of 12 credit hours.

## Courses Related to Cognitive Science

The following courses in other departments are considered to lie within the scope of cognitive science. All the courses listed below are pre-approved for the breadth requirements for both the B.A. and the B.S. in Cognitive Science. In addition, those marked with an asterisk (\*) are pre-approved to meet the concentration requirements for these degrees. Note that courses taken in the School of Informatics and Computing will be outside hours for College of Arts and Sciences students. See advisor for additional breadth course options.

### Anthropology

- ANTH-A 107 Becoming Human: Evolving Genes, Bodies, Behaviors, Ideas (3 cr.) **CASE N&M**

### Hutton Honors College

- HON-H 241 Scientific Uncertainty and Discovery (Approved topic: Animal Thinking)

### Linguistics

- LING-L 103 Introduction to the Study of Language (3 cr.) **CASE S&H**
- \*LING-L 203 Introduction to Linguistic Analysis (3 cr.) **CASE N&M**
- LING-L 210 Topics in Language and Society (3 cr.) **CASE S&H**
- \*LING-L 306 Phonetics (3 cr.) **CASE N&M**
- \*LING-L 307 Phonology (3 cr.) **CASE N&M**
- \*LING-L 308 Morphology (3 cr.) **CASE N&M**
- \*LING-L 310 Syntax (3 cr.) **CASE N&M**
- \*LING-L 325 Semantics (3 cr.) **CASE N&M**
- \*LING-L 430 Language Change and Variation (3 cr.) **CASE S&H**
- LING-L 431 Field Methods (3 cr.)
- LING-L 432 Advanced Field Methods (3 cr.)
- \*LING-L 490 Linguistic Structures (3 cr.)

### Mathematics

- \*MATH-M 384 Modal Logic (3 cr.) **CASE N&M**

- \*MATH-M 385 Mathematics from Language (3 cr.) **CASE N&M**

### Philosophy

- PHIL-P 100 Introduction to Philosophy (3 cr.) **CASE A&H**
- PHIL-P 105 Thinking and Reasoning (3 cr.) **CASE A&H**
- \*PHIL-P 250 Introductory Symbolic Logic (3 cr.) **CASE N&M**
- \*PHIL-P 251 Intermediate Symbolic Logic (3 cr.) **CASE N&M**
- \*PHIL-P 310 Topics in Metaphysics (3 cr.) **CASE A&H**
- \*PHIL-P 312 Topics in the Theory of Knowledge (3 cr.) **CASE A&H**
- \*PHIL-P 320 Philosophy and Language (3 cr.) **CASE A&H**
- \*PHIL-P 350 Logic of Sets (3 cr.)
- \*PHIL-P 352 Logic and Philosophy (3 cr.) **CASE A&H**
- \*PHIL-P 360 Introduction to Philosophy of Mind (3 cr.) **CASE A&H**
- \*PHIL-P 366 Philosophy of Action (3 cr.) **CASE A&H**

### Physics

- \*PHYS-P 317 Signals and Information Processing in Living Systems (3 cr.)

### Psychological and Brain Sciences

- PSY-P 101 Introductory Psychology I (3 cr.) **CASE N&M**
- PSY-P 155 Introduction to Psychological and Brain Sciences (3 cr.) **CASE N&M** or P106 General Psychology, Honors (4 cr.) **CASE N&M**
- PSY-P 201 An Introduction to Neuroscience (3 cr.) **CASE N&M**
- PSY-P 211 Methods of Experimental Psychology (3 cr.) **CASE N&M**
- \*PSY-P 325 Psychology of Learning (3 cr.) **CASE N&M**
- \*PSY-P 326 Behavioral Neuroscience (3 cr.)
- \*PSY-P 329 Sensation and Perception (3 cr.) **CASE N&M**
- \*PSY-P 330 Perception/Action (3 cr.) **CASE N&M**
- \*PSY-P 335 Cognitive Psychology (3 cr.) **CASE N&M**
- \*PSY-P 337 Clinical Neuroscience (3 cr.)
- \*PSY-P 346 Neuroscience (3 cr.)
- PSY-P 349 Cognitive Neuroscience (3 cr.)
- \*PSY-P 350 Human Factors/Ergonomics (3 cr.) **CASE N&M**
- PSY-P 405 Elementary Mathematical Psychology (3 cr.) **CASE N&M**
- \*PSY-P 407 Drugs and the Nervous System (3 cr.)
- \*PSY-P 410 Development of the Brain and Behavior (3 cr.)
- \*PSY-P 411 Neural Bases of Learning and Memory (3 cr.)
- PSY-P 417 Animal Behavior (3 cr.) **CASE N&M**
- \*PSY-P 423 Human Neuropsychology (3 cr.)
- \*PSY-P 424 Laboratory in Sensation and Perception (3 cr.)

- \*PSY-P 426 Laboratory in Behavioral Neuroscience (3 cr.)
- PSY-P 429 Laboratory in Developmental Psychology (3 cr.)
- PSY-P 433 Laboratory in Neuroimaging Methods (3 cr.)
- \*PSY-P 435 Laboratory in Human Learning and Cognition (3 cr.)
- \*PSY-P 438 Language and Cognition (3 cr.) **CASE N&M**
- \*PSY-P 440 Topics in Cognitive Psychology (3 cr.)
- \*PSY-P 441 Neuropsychology of Language (3 cr.)
- \*PSY-P 443 Cognitive Development (3 cr.)
- PSY-P 444 Developmental Psychobiology (3 cr.)
- PSY-P 448 Social Judgment and Person Perception (3 cr.)

### **Speech and Hearing Sciences**

- \*SPHS-S 201 Speech and Hearing Physiology (3 cr.) **CASE N&M**
- \*SPHS-S 302 Acoustics for Speech and Hearing Sciences (3 cr.) **CASE N&M**
- \*SPHS-S 307 Cognitive and Communicative Aspects of Aging (3 cr.) **CASE N&M**
- \*SPHS-S 333 Survey of Children's Language Development (3 cr.)
- \*SPHS-S 378 Introduction to Psychoacoustics (3 cr.)
- \*SPHS-S 420 Phonological Acquisition and Disorders in Children (3 cr.)
- \*SPHS-S 433 Childhood Language (3 cr.) **CASE N&M**
- \*SPHS-S 436 Language Disorders in Children (3 cr.)

### **School of Informatics and Computing**

#### **Computer Science**

- \*CSCI-A 201 Introduction to Programming I (4 cr.) **CASE N&M**
- \*CSCI-A 202 Introduction to Programming II (4 cr.) **CASE N&M**
- CSCI-A 304 Introductory C++ Programming (2 cr.)
- CSCI-A 306 Object-Oriented Programming in C++ (2 cr.)
- \*CSCI-A 321 Computing Tools for Scientific Research (4 cr.) **CASE N&M**
- \*CSCI-A 346 User-Interface Programming (3 cr.)
- \*CSCI-B 351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.) **CASE N&M** (cross-listed as COGS Q351)
- \*CSCI-B 355 Autonomous Robotics (3 cr.) (cross-listed as COGS Q360)
- \*CSCI-B 401 Fundamentals of Computing Theory (3 cr.) **CASE N&M**
- \*CSCI-C 211 Introduction to Computer Science (4 cr.) **CASE N&M**
- \*CSCI-H 211 Introduction to Computer Science, Honors (4 cr.) **CASE N&M**
- \*CSCI-C 212 Introduction to Software Systems (4 cr.) **CASE N&M**
- \*CSCI-H 212 Introduction to Software Systems, Honors (4 cr.) **CASE N&M**
- \*CSCI-C 241 Discrete Structures for Computer Science (3 cr.) **CASE N&M**
- \*CSCI-H 241 Discrete Structures for Computer Science, Honors (3 cr.) **CASE N&M**

- \*CSCI-C 311 Programming Languages (4 cr.) **CASE N&M**
- \*CSCI-H 311 Programming Languages, Honors (4 cr.) **CASE N&M**
- \*CSCI-C 335 Computer Structures (4 cr.) **CASE N&M**
- \*CSCI-H 335 Computer Structures, Honors (4 cr.) **CASE N&M**
- \*CSCI-C 343 Data Structures (4 cr.) **CASE N&M**
- \*CSCI-H 343 Data Structures, Honors (4 cr.) **CASE N&M**
- \*CSCI-P 415 Introduction to Verification (3 cr.) **CASE N&M**

### **Informatics**

- INFO-I 101 Introduction to Informatics (3 cr.)
- \*INFO-I 210 Information Infrastructure I (4 cr.)
- \*INFO-I 211 Information Infrastructure II (4 cr.)
- \*INFO-I 300 Human Computer Interaction (3 cr.)
- \*INFO-I 320 Distributive Systems and Collaborative Computing (3 cr.)

## **Communication and Culture**

### **Introduction**

The Department of Communication and Culture (CMCL) advances the study of communication as a cultural practice and teaches an array of perspectives that enable students to prepare broadly for a variety of careers. Requirements for the major and minor are flexible in order to promote individualized programs of study in three interrelated aspects of communication: rhetoric and public culture, film and media, and performance and ethnographic studies.

Rhetorical studies orient students to the strategic dimension of human communication associated with deliberation, advocacy, and persuasion in a variety of social, political, and professional settings. Studies of media focus primarily on film and television, with additional emphasis on topics such as radio, recorded music, and interactive digital technologies. Performance and ethnographic studies explore an array of communicative practices, from the conversations and disputes of everyday life to artful performances at cultural events, which are the competencies essential for participation in social life.

Students in the department make use of these approaches to the study of communication to examine links among social, corporate, and governmental organizations; to study the formation of individual and group identity in contemporary culture; to explore the connections between ideology and politics; and to bring intercultural and transnational considerations into focus by examining how diversity and differences of various kinds are negotiated across boundaries. Students prepare to become productive citizens of a democratic culture while gaining a thorough understanding of the theory, history, production, and critique of public communication.

## Contact Information

Communication and Culture  
 Indiana University  
 800 E. 3rd St.  
 Bloomington, IN 47405

(812) 855-1072  
[cmcl@indiana.edu](mailto:cmcl@indiana.edu)

<http://www.indiana.edu/~cmcl/>

## Faculty

### Department Chair

- Professor Barbara Klinger

### Distinguished Professor

- Richard Bauman (Emeritus, Folklore and Ethnomusicology)

### Chancellor's Professor

- James Naremore (Emeritus)

### Professors

- James Andrews (Emeritus)
- Carolyn Calloway-Thomas
- Patricia Hayes Andrews (Emerita)
- Robert Ivie
- Barbara Klinger
- John Lucaites
- Michael T. Martin
- Gregory Waller

### Associate Professors

- Chris Anderson
- Ilana Gershon
- Jane Goodman
- Mary Gray
- Joan Hawkins
- Josh Malitsky
- Phaedra Pezzullo
- Susan Seizer
- Jon Simons
- Ted Striphas
- Robert Terrill

### Assistant Professors

- Stephanie DeBoer
- Elizabeth Ellcessor
- Susan Lepselter
- Anjali Vats

### Director of C121 Public Speaking

- Cynthia Duquette Smith

### Director of C122 Interpersonal Communication

- Jennifer Robinson

### Academic Advising

- Tara Kaufman, 800 E. Third St., Room 259, (812) 855-5443

## Major in Communication and Culture

### Requirements

Students must complete the following:

- A minimum of 30 credit hours in the department, with no more than 6 of those credit hours at the 100 level.

- C190 and C205.

- 18 credit hours of upper-division (300- and 400-level) courses in the department, of which at least 6 credit hours must be at the 400 level.

Students must also complete the degree requirements of the College of Arts and Sciences.

## Careers and Combined Programs

Programs of study that combine a major in the department with carefully selected minors and electives in other departments can prepare students for careers and advanced studies in law, consumer and social advocacy, government, communication research and education, business, public relations, public service, politics, filmmaking, film criticism, television production, the ministry, and other professions demanding competence in communication. Interested students should consult with the department's director of undergraduate studies or undergraduate advisor.

## Minor in Communication and Culture

### Required Courses

Students may complete a minor in the department by meeting the following requirements:

- A total of 15 credit hours in the department.
- C190 or C205.
- 9 credit hours of upper-division (300- and 400-level) courses in the department, of which at least 3 credit hours must be at the 400 level.

## Departmental Honors Program

The honors program in the Department of Communication and Culture is designed to encourage outstanding students to undertake research and creative projects, to work closely with departmental faculty in directed readings and research, and to participate in courses reserved for honors students.

Students majoring in Communication and Culture may be invited into the honors program during their junior year. Those considered for the honors program may be nominated by a member of the faculty, or they may nominate themselves. To be considered for the honors program, students must:

- be of junior standing or have completed at least 15 credit hours in the Department of Communication and Culture, and
- have maintained an overall GPA of at least 3.300 and a GPA of at least 3.500 in the major.

The director of undergraduate studies will notify those students who have been accepted into the program.

Honors students are encouraged to take honors courses offered through the department as well as through Indiana University's Hutton Honors College.

To graduate with honors in Communication and Culture, students who are accepted into the honors program must take:

- C399 Reading for Honors (3 credits; 6 credits max.), and
- C499 Senior Honors Thesis (3–6 credits).

In pursuing readings in C399 and in completing the honors thesis in C499, students will work individually with a member of the faculty.

Students must fulfill all of the requirements for a major in the department. No more than 3 credit hours in C399 and in C499 (6 credit hours total) can be counted toward the 30 credit hour major requirement. Students completing the thesis may be invited to present their project in the context of a conference, colloquium, or symposium.

## Course Descriptions

### **CMCL-C 122 Interpersonal Communication (3 cr.) CASE S&H**

Introduction to the study of communication, culture, identity and power. Each student does original primary research. Topics range from groups in North Africa to high school and college students in the United States, and issues such as gendered language, slang, verbal play, and institutional language.

### **CMCL-C 130 Public Speaking, Honors (3 cr.) CASE A&H**

For outstanding students, in place of C121.

### **CMCL-C 190 Introduction to Media (3 cr.) CASE A&H**

Form, technique, and language of the media; analysis of specific film, television, and video productions; introduction to major critical approaches to media studies. Credit given for only one of CMCL C190 or CMLT C190.

### **CMCL-C 201 Race and the Media (3 cr.) CASE S&H, CASE DUS**

Explores the ways in which United States' ideologies in particular historical periods have influenced the production, representations, and audiences' interpretations of media artifacts. Topic might focus on specific or various ethnic groups (e.g., African Americans, Native Americans, Asian Americans, Latinos, "Whites") and mainstream and/or alternative media. Screenings may be required.

### **CMCL-C 202 Media in the Global Context (3 cr.) CASE S&H, CASE GCC**

Surveys media industries, products, and publics outside the United States context (e.g., Asia, Africa, Europe, Latin America). Analyzes regional media in relation to local/ global historical, economic, and social processes. Screenings may be required.

### **CMCL-C 203 Gender, Sexuality, and the Media (3 cr.) CASE S&H**

Examines portrayals of women across various media outlets and diverse cultural regions. The course also considers women as producers and consumers of media products. Topics might focus on a specific medium (e.g., television, film, or the Internet), genre (e.g., soap operas, reality TV, anime), or region (the U.S., Africa, Asia). Screenings may be required.

### **CMCL-C 204 Topics in Media, Culture, and Society (3 cr.) CASE S&H**

Relationship between communication media and a range of social institutions, practices, and beliefs. Course may focus on a particular medium and/or period (e.g., television and family, film and the Cold War, censorship and the media). Topic varies. May be repeated once for credit with a different topic.

### **CMCL-C 205 Introduction to Communication and Culture (3 cr.) CASE A&H**

Critically examines communication as a cultural practice as it affects the beliefs, attitudes, values, and behaviors of individuals, groups, and publics.

**CMCL-C 207 Topics in Cultural Analysis and Interpretation (3 cr.) CASE A&H** Study and analysis of expressions and artifacts produced in the domain of media, public culture, and performance. Focuses on a particular artistic or expressive medium, and/or on a critical approach to analysis (e.g., Punk Subcultures, Rhetorics of Tourism, and Diasporic Feminist Film). May be repeated with a different topic for a maximum of 6 credit hours.

### **CMCL-C 208 Image Cultures (3 cr.) CASE A&H**

Offers an interdisciplinary and historical context for understanding contemporary western "image culture" by addressing the notion of the "image" in a wide range of its theoretical, critical, and practical contexts, uses, and history. Examines the claim that our culture is more imagistic than others historically, asking how the roles of images have changed over time in relation to other modes of signification.

### **CMCL-C 209 Topics in Rhetoric and Public Culture (3 cr.) CASE A&H**

Examines how rhetorical practice shapes public culture. May focus on a medium or mode of rhetorical practice, such as documentary film, social movement, or political speech; a theme or issue, such as race, gender, or democracy; or a particular historical period. Topic varies. May be repeated with a different topic for a maximum of 6 credit hours.

### **CMCL-C 212 Communicating Sustainability (3 cr.) CASE S&H**

"Sustainability" is the capacity to negotiate environmental, social, and economic needs and desires for current and future generations. This course traces historical, global discourses of sustainability; defines key terms and frames sustainability; engages related concepts of democracy, citizenship, and community; and develops critical thinking, research, and communication skills

### **CMCL-C 220 Performing Human/Nature: Defining Relationships with the Environment (3 cr.) CASE A&H**

Reflects on the complexity of human experience from personal, creative, and cultural perspectives using fiction, poetry, journalism, creative nonfiction, visual art, music, and films. Students explore others' and their own experience of what it means to be human, analyze and compare the tacit philosophies present in these works, and pose their original organizing frameworks. Emphasis on interpretive skills and theory building, testing, and revising these theories to incorporate the lived experiences of others.

### **CMCL-C 222 Democratic Deliberation (3 cr.) CASE A&H**

Principles and practices of deliberation that enrich democratic culture in civic affairs.

### **CMCL-C 228 Argumentation and Public Advocacy (3 cr.) CASE A&H**

R: C121 or C130. Reasoning, evidence, and argument in public discourse. Study of forms of argument. Practice in argumentative speaking.

### **CMCL-C 229 Ways of Speaking (3 cr.) CASE S&H**

Exploration in comparative perspective of the social use of language, with a focus on the interrelationships among verbal form, social function, and cultural meaning in ways of speaking.

### **CMCL-C 238 Communication in Black America (3 cr.) CASE A&H, CASE DUS**

Communicative experiences of black Americans, including black dialect, language and

ethnicity, interracial communication, recurring themes, spokespersons in black dialogue, and sociohistorical aspects of black language and communication.

**CMCL-C 290 Hollywood I (3 cr.) CASE S&H** Historical survey of the American motion picture industry from 1895 to 1948. Emphasizes narrative cinema and the classical studio system. Credit given for only one of C290 or CMLT C290.

**CMCL-C 292 Hollywood II (3 cr.) CASE S&H** Historical survey of the American motion picture industry from 1948 to the present. Emphasizes narrative cinema and its increasing relation to television and home entertainment. Credit given for only one of C292 or CMLT C290.

**CMCL-C 304 Communication and Social Conflict (3 cr.) CASE A&H** Examination of sources and functions of symbolic influence in contemporary society. Emphasis upon developing rhetorical skills for critiquing social conflict.

**CMCL-C 305 Rhetorical Criticism (3 cr.) CASE S&H** C121 or consent of instructor. The development of standards for evaluating and methods of analyzing rhetorical texts. Significant historical and contemporary texts are studied to exemplify critical principles.

**CMCL-C 306 Writing Media Criticism (3 cr.) CASE A&H** P: C190 or consent of instructor. Study of the main schools and methods of media criticism; emphasis on developing the analytical and critical skills necessary for writing film, television, and/or other types of media criticism.

**CMCL-C 308 Democratic Dissent in Wartime (3 cr.) CASE A&H** Examination of wartime dissent in the United States as a vital democratic practice. Emphasis upon cultural status, political role, and the rhetorical characteristics of democratic dissent.

**CMCL-C 310 Ethnographies of Media Worlds (3 cr.) CASE S&H, CASE GCC** Examines the challenges that focusing on the mass media—including technologies, production processes, content, and reception—present for studying cultures. Explores the relationship between media and culture to understand people's experiences and conceptualization of time, space, communities, families, and identities.

**CMCL-C 311 Images of War and Peace in Public Culture (3 cr.) CASE A&H** Examines the cultural contestation of images of war and peace with a focus on the materiality of political images in a variety of verbal, visual, and acoustic media across a range of cultural forms such as film, literature, art, public memorials, and political texts. May be repeated when the focus is on a different country or region for a maximum of 6 credit hours.

**CMCL-C 313 Performance as Communicative Practice (3 cr.) CASE A&H** Introduction to performance as a communicative practice, focusing on performance as a special artistic mode of communication and performance and as a special class of display events in which the values and symbols of a culture are enacted before an audience.

**CMCL-C 314 Communication, Culture, and Social Formations (3 cr.) CASE S&H** Examination of cultural

identities and related social formations as constituted by symbolic forms in structures around the world. Topic varies. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 315 Advertising and Consumer Culture (3 cr.) CASE S&H** P: C190 or consent of instructor. Critical examination of advertising's role in modern societies. Focuses on marketing and consumption as central activities in shaping personal identity and social relations.

**CMCL-C 318 Ethnography as Cultural Critique (3 cr.) CASE S&H** Examines the ways ethnographic work can provide a critical lens through which to view our world. By juxtaposing familiar cultural practices and beliefs against those of other societies and cultures, students learn to critically assess aspects of their own society they may have previously taken for granted. Provides training in ethnographic methods and features a semester-long ethnographic project. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 321 Rhetoric, Law, and Culture (3 cr.) CASE A&H** This course examines the range of ways in which rhetoric, law, and culture intersect in the production and maintenance of social and political community.

**CMCL-C 323 Speech Composition (3 cr.) CASE A&H** R: C121 and one of the following: C223, C225, or C228. Advanced speech writing, focusing upon the content of speeches. The theory and practice of informative, persuasive, and ceremonial speaking. Topics include the principles of organization, exposition, and argumentation, and language and style.

**CMCL-C 324 Persuasion (3 cr.) CASE A&H** R: C121 or C130; and one of the following: C223, C225, or C228. Motivational appeals in influencing behavior; psychological factors in speaker-audience relationship; contemporary examples of persuasion. Practice in persuasive speaking.

**CMCL-C 326 Authorship in the Media (3 cr.) CASE A&H** P: C190 or consent of instructor. Topic varies: in-depth analysis of directors, producers, or creative individuals in the media, viewed as "authors." May be repeated once for credit with a different topic. A maximum of 6 credit hours may be earned for any combination of C326 and CMLT C491.

**CMCL-C 333 Stigma: Culture, Deviance, and Identity (3 cr.) CASE A&H** Stigma theory speaks broadly to the nature of the social relationships that create marked categories of persons. In this course we look both at theory and at particular cases of stigmatized persons and groups with an aim toward identifying historically effective strategies for combating stigmas of race, class, gender, sexuality, and physical ability.

**CMCL-C 334 Current Topics in Communication and Culture (3 cr.)** Analysis of selected problems in communication and culture. Topics vary each semester. May be repeated once for credit if topic varies.

**CMCL-C 335 Production as Criticism (3 cr.) CASE A&H** Provides conceptual and hands-on experience for researching, writing, and producing different genres of video programs using VRA camcorders and editing systems. This course emphasizes conceptual processes from the original script to the completed video. Lab fee

required. May be repeated for a maximum of 6 credit hours.

**CMCL-C 336 Using Popular Culture (3 cr.) CASE S&H**  
Critical exploration of the form, content, and uses of popular culture in everyday life.

**CMCL-C 337 New Media (3 cr.)** Develops frameworks for understanding new media technologies in social contexts. Compares computing, networked digital media, and social media to prior eras of technological change, focusing on interactions among technological, industrial, regulatory, social, and cultural forces. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 339 Freedom of Speech (3 cr.) CASE A&H**  
A brief survey of the historical development of the concept of freedom of speech, and a close examination of contemporary free speech issues, such as those relating to national security, public order, civil rights movements, antiwar protests, obscenity, academic freedom, and symbolic speech. Credit not given for both S339 and C399.

**CMCL-C 340 The Rhetoric of Social Movements (3 cr.) CASE A&H** Introduces rhetorical theories and practices which inform and are informed by the study of social movements. Topics vary and focus on a specific social movement or a range of social movements. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 342 Rhetoric and Race (3 cr.)** Explores the relationship between rhetoric and race, including the possibilities and implications entailed by an understanding of race as a rhetorical artifact, and rhetoric as a necessarily raced phenomenon.

**CMCL-C 346 Ethnicity, Class, and the Model U.S. Citizen (3 cr.)** Considers how people's identities influence the ideals and practice of citizenship. Focuses in particular on identities based on ethnicity and class. Examines how ethnicity and class shape discourses of citizenship found in the media and in political and legal spheres.

**CMCL-C 348 Environmental Communication (3 cr.)** This class is grounded in the perspective that symbolic and natural systems are mutually constituted and therefore, the ways we communicate about and with the environment are vital to examine for a sustainable and just future. The focus of the class may vary to engage topics, such as environmental tourism or environmental disasters.

**CMCL-C 355 Public Memory in Communication and Culture (3 cr.)** Examines the contested nature of public memory from a communication and culture perspective. Focuses on the nature of public memory, its methods of perpetuation, its role in shaping citizens, and its implications for society.

**CMCL-C 357 Politics of Style (3 cr.) CASE A&H** Critical examination of fashion or other everyday aesthetic expressions as political and cultural practices. Style is analyzed as a form of agency in relation to such issues as gender, consumer culture, and social class.

**CMCL-C 360 Motion Picture Production (4 cr.)** A hands-on introduction to the technical and aesthetic basics of making 16mm silent films. Students learn how to design,

direct, light, shoot, and edit several short films working individually and in groups. Lab fee required.

**CMCL-C 361 Intermediate Motion Picture Production (4 cr.)** P: C360. Introduction to the making of 16mm sound films, including the recording and editing of synch sound. The various stages of production are explored in lectures, lab exercises, and discussions. Each student designs, directs, and edits a short synch sound film and participates as a crew member in the other students' productions. Lab fee required.

**CMCL-C 382 Internship in Communication and Culture (1-3 cr.)** P: Junior or senior standing; at least 12 semester credit hours completed in the department; advanced arrangement with academic advisor. Faculty-supervised work in a field related to student's professional and academic interests. Student must write a critical analysis paper and be evaluated by a workplace supervisor. S/F grading. Students can earn up to 6 total credits for C382, but a maximum of 3 credit hours will apply toward the 30 credit hours required for the major.

**CMCL-C 385 Communication, Culture, and Community (3 cr.)** A service-learning seminar that offers students hands-on experience working with a community-based cultural production. Topics will range from film festival programming, political campaigning, and advocacy work to environmental activism and street theatre. Students learn how to conceptualize and operationalize cultural productions as articulations of communicative strategies and rhetorical inventions. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 391 Media Audiences (3 cr.) CASE A&H**  
Studies audiences in the context of film, television, new media, and other media forms. Topic varies, but may include a focus on theories of spectatorship, historical reception studies, ethnographic and/or empirical audience studies, global or transnational audiences, Internet communities, performance theory, fan cultures, and subcultures. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 392 Media Genres (3 cr.) CASE A&H** P: C190 or consent of instructor. Topic varies. Analysis of typical genres, such as westerns, situation comedies, documentaries, etc. Problems of generic description or definition: themes, conventions, iconography peculiar to given genres. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 393 History of European and American Films I (3 cr.) CASE A&H, CASE GCC** P: C190 or consent of instructor. C393 is a survey of the development of cinema during the period 1895–1926 (the silent film era); C394 is a survey of European and American cinema since 1927. Particular attention paid to representative work of leading filmmakers, emergence of film movements and development of national trends, growth of film industry, and impact of television. Topics vary. Each course may be taken for a total of 6 credit hours with different topics.

**CMCL-C 394 History of European and American Films II (3 cr.) CASE A&H, CASE GCC** P: C190 or consent of instructor. C393 is a survey of the development of cinema during the period 1895–1926 (the silent film era); C394 is a survey of European and American cinema since 1927. Particular attention paid to representative work of

leading filmmakers, emergence of film movements and development of national trends, growth of film industry, and impact of television. Topics vary. Each course may be taken for a total of 6 credit hours with different topics.

**CMCL-C 398 National Cinemas (3 cr.) CASE A&H, CASE GCC** Historical survey of major national cinemas. Subject varies. Topics include Brazilian cinema, British cinema, Chinese cinema, French National cinema, German film culture, Indian cinema, and Italian cinema. May be repeated with a different topic for a maximum of 6 credits.

**CMCL-C 399 Reading for Honors (3 cr.)** P: Junior standing and approval of departmental undergraduate studies committee. Readings directed by member of faculty. May be repeated for a maximum of 6 credit hours.

**CMCL-C 401 Senior Seminar in Communication and Culture (3 cr.)** P: Senior standing and consent of instructor. Study of problems and issues in rhetoric and communication. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 406 The Study of Public Advocacy (3 cr.)** Study of great rhetorical works in English. Focus on understanding the nature and role of public discourse in addressing significant human concerns.

**CMCL-C 410 Media Theory (3 cr.)** P: C190 or consent of instructor. Survey of writings, concepts, and movements in media theory.

**CMCL-C 411 Media Industries and Cultural Production (3 cr.) CASE S&H** Examines the social, economic, and cultural forces that influence the creation of programs and genres in the media industries. Topic varies, but may explore the role of networks, advertisers, studios, and independent producers. May not be repeated for credit.

**CMCL-C 412 Race, Gender, and Representation (3 cr.) CASE S&H** Construction of race and gender identities across a range of media. Emphasis on the power of sound/image representations to shape and contest ideas about race and gender. Topic varies. May be repeated once for credit with a different topic.

**CMCL-C 413 Global Villages (3 cr.) CASE S&H** Electronic media's role in altering perceptions of time, space, locality, and identity. Explores changing economic, political, and cultural relations in the global media environment. Topic varies and may include global media events, transborder information flows, cultural differences in media forms and practices. May be repeated once for credit with a different topic for a maximum of 6 credit hours.

**CMCL-C 414 Topics in Performance and Culture (3 cr.) CASE A&H** Examination of the relationship between performance and culture in specific domains of social life and aspects of social experience. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 415 Topics in Communication and Culture in Comparative Perspective (3 cr.) CASE S&H** Cross-cultural exploration of communication systems, ranging from face-to-face interaction to mediated forms of communication, with an emphasis on their cultural foundations and social organization. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 417 Power and Violence: Political Systems in Ethnographic Perspective (3 cr.) CASE S&H** Different political systems are founded and maintained by varying combinations of overt violence and more subtle workings of ideas and ideologies. Through cross-cultural case studies, the course examines how coercion, persuasion, consensus, and dissent operate in and through the politics and performances of everyday life.

**CMCL-C 420 Topics in Media History (3 cr.) CASE S&H** P: C190 or consent of instructor. Media historiography, topics in national media history, national and international movements and trends. Topic varies. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 422 Performance, Culture, and Power in the Middle East and North Africa (3 cr.) CASE S&H, CASE GCC** Middle Eastern cultures are well known for their rich and diverse performance practices. Taking an ethnographic perspective, this course views performances as communicative events through which social relations are organized. It explores how performances both participate in local arrangements of power and constitute responses to colonialism, nationalism, and globalization.

**CMCL-C 425 Culture, Identity, and the Rhetoric of Place (3 cr.) CASE A&H** Invites advanced undergraduate students to consider the rhetorical dimensions of places with a particular focus on theories of culture and identity (e.g., race, gender, and nationality). Students will critically examine how places are the product of strategic communication choices that have been made to influence how human beings think and behave.

**CMCL-C 427 Cross-Cultural Communication (3 cr.)** A survey study of national, cultural, and cross-cultural persuasion in theory and practice.

**CMCL-C 429 Cyberpublics (3 cr.) CASE S&H** Examines the everyday issues surrounding public speech in new media: how people establish appropriate behavior in new media and respond to new possibilities for deceptive behavior; how ideas of what counts as "public" and "private" change as the result of changes in the way communication circulates; why scholars believe public speech and democracy are so intertwined.

**CMCL-C 430 Native American Communication and Performance (3 cr.) CASE S&H, CASE DUS** Survey of communicative patterns in Native American cultures and their realization in performance, including oral performance (e.g., narrative, oratory), ceremonial (e.g., feast days, powwow), and media (e.g., radio, film). We will also explore the use of performance forms as symbolic resources in literature, photography, and film.

**CMCL-C 432 Visual Rhetoric (3 cr.)** Focuses on distinctive rhetorical features of visual discourse to examine the political, cultural, persuasive, and ideological functions of media images in United States' public culture. Explores examples from advertising, journalism, and entertainment across media, including print, television, and film. Interrogates the consequences of conducting public communication through commodified imagery for contemporary social life.

**CMCL-C 433 Food Performance and Communication (3 cr.) CASE S&H** Examines the cultural, political, and communicative qualities of food, using theory,

ethnography, and critical essays about historical and contemporary ways that food culture is organized. Texts include such subjects as the structural organization of cuisines, the political economy of obesity, historical and environmental explanations for taboo foods, and the effects of local food production on perceptions of community. Considers individual practices and meanings in a cultural context.

**CMCL-C 435 Documentary Filmmaking: Theory and Practice (4 cr.)** P: C190 and C335, C360, or equivalent. Study of the major historical movements in documentary film. Combines theoretical and historical readings on questions of documentary realism with practical exercises in the production of digital-video documentaries. Lab fee required.

**CMCL-C 438 Experiments with the Film Camera (4 cr.)** P: C360. An exploration of techniques and concepts of experimental filmmaking which builds on the foundation of other production classes. For students with a solid background in basic cinematography and visual storytelling, as well as in the fundamentals of digital editing.

**CMCL-C 444 Political Communication (3 cr.)** Critical examination of historical and contemporary political communication. Focus on key public texts that shape American political culture, including speeches, protest discourse, and mediated political campaigns. Emphasis on interpretive and critical strategies through which texts can be productively engaged.

**CMCL-C 445 Media, Culture, and Politics (3 cr.)** Examines the role of media in the political process. Topic varies and may include censorship and free speech, social movements, politics of representation. May be repeated with a different topic for a maximum of 6 credit hours.

**CMCL-C 446 Cultures of Democracy (3 cr.)** Examines the role of culture in how democracies are practiced. Ethnographic focus varies and includes cross-cultural comparisons of political speech, voting, and democratic representation in different cultures. We will pay particular attention to the dilemmas surrounding exporting democracy, especially to the Middle East, Africa, South Africa, the Pacific, and the Balkans.

**CMCL-C 450 Gender and Communication (3 cr.)** Examines the extent to which biological sex and gender role orientation and stereotypes influence the process of communication. Focuses on gender differences in decoding and encoding verbal and nonverbal behavior, development of sex roles, cultural assumption, and stereotypes regarding gender differences in communication. Analyzes how the media present, influence, and reinforce gender stereotypes.

**CMCL-C 460 Advanced Motion Picture Production (4 cr.)** P: C360 and C361, or C335; permission of instructor. Students produce one personal project (narrative, documentary, or experimental) from script to screen, using either 16 mm. or digital video. Each class meeting devoted to discussing the students' projects and exploring the aesthetic and technical issues involved. Each student assists in the production of at least one other project by a fellow student. Lab fee required.

**CMCL-C 490 Capstone Seminar in Communication and Culture (3 cr.)** P: C190 and C205. Students synthesize previous course work in Communication and Culture, culminating in a substantive project that directs their learning to some particular problem of mediation, publics, or cultures. Final project may include research essays, short films, websites, or public presentations or performances. Specific topics vary. With the permission of the undergraduate advisor, may be repeated with a different topic for a total of 6 credit hours.

**CMCL-C 497 Independent Study in Communication and Culture (1-6 cr.)** P: Junior standing and approval of instructor. Independent readings or other projects in communication and culture. Projects must be approved by faculty member before enrolling. May be repeated for a maximum of 6 credit hours.

**CMCL-C 499 Senior Honors Thesis (3-6 cr.)** P: Senior standing. Original research project, culminating in honors thesis to be written under direction of faculty member.

## Comparative Literature

### Introduction

The curriculum of the Department of Comparative Literature (CMLT) introduces students to the study of literature in different ages and across national, linguistic, and cultural boundaries. Courses explore texts, themes, literary types, and intercultural relations as well as the methods and theories of comparative literary study. Courses also investigate relationships between literature and the visual arts, film, music, and other performance arts as well as other disciplines such as philosophy, history, and religious and cultural studies. Majors may tailor their course work to suit their particular interests by selecting from a wide range of course offerings.

### Contact Information

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### Faculty

#### Chairperson

- David Hertz

#### Distinguished Professor

- Douglas Hofstadter (Cognitive Science, Computer Science)

#### Martha C. Kraft Professor of Humanities

- Fedwa Malti-Douglas (Gender Studies)

#### Chancellor's Professor

- Anya Royce (Anthropology)

#### Professors

- David Hertz (American Studies)
- Bill Johnston
- Eileen Julien (French and Italian)

- Herb Marks (English, Near Eastern Languages and Cultures, Religious Studies)
- Rosemarie McGerr (Medieval Studies)

#### **Associate Professors**

- Akinwumi Adesokan
- Paul Losensky (Central Eurasian Studies, Near Eastern Languages and Cultures)
- Angela Pao (Asian American Studies)
- Eyal Peretz

#### **Assistant Professors**

- Jacob Emery (Slavics and East European Languages and Cultures)
- Kevin Tsai
- Sarah Van der Laan

#### **Adjunct Professors**

- Maryellen Bieder (Spanish and Portuguese)
- Fritz Breithaupt (Germanic Studies)
- J. Peter Burkholder (Jacobs School of Music)
- Dov-Ber Kerler (Germanic Studies, Jewish Studies)
- Barbara Klinger (Communication and Culture)
- Eleanor W. Leach (Classical Studies)
- Eric MacPhail (French and Italian)
- William Rasch (Germanic Studies)
- Jack Rollins (Hutton Honors College)
- Darlene Sadlier (Spanish and Portuguese)
- Suzanne Stetkevych (Ruth N. Halls Professor of Near Eastern Languages and Cultures)
- H. Wayne Storey (French and Italian, Medieval Studies)
- Marc Weiner (Germanic Studies)

#### **Adjunct Associate Professors**

- Purnima Bose (English)
- Michel Chaouli (Germanic Studies)
- Deborah Cohn (Spanish and Portuguese)
- Patrick Dove (Spanish and Portuguese)
- Joan Hawkins (Communication and Culture)
- Rebecca Manring (India Studies, Religious Studies)
- Edith Sarra (East Asian Languages and Cultures)

#### **Adjunct Assistant Professors**

- Johannes Türk (Germanic Studies)

#### **Professors Emeriti**

- Salih Altoma (Near Eastern Languages and Cultures)
- Willis Barnstone (Distinguished Professor, Spanish and Portuguese)
- Luis Beltrán (Spanish and Portuguese)
- Ernest Bernhardt-Kabisch (English)
- Peter Boerner (Germanic Studies)
- Peter Bondanella (Distinguished Professor, French and Italian, Institute for European Studies)
- Gilbert Chaitin (French and Italian)
- Claus Clüver
- Bruce Cole (Distinguished Professor, Fine Arts)
- Eugene Eoyang (East Asian Languages and Cultures)
- Harry M. Geduld (Film Studies, Comparative Literature, Institute for European Studies)
- Kenneth R. R. Gros Louis (English)

- Roger Herzl (Theatre, Drama and Contemporary Dance)
- Ingeborg Hoesterey (Germanic Studies)
- Yoshio Iwamoto (East Asian Languages and Cultures)
- Sumie Jones (East Asian Languages and Cultures)
- Oscar Kenshur (English, Philosophy)
- Gerald Larson (Religious Studies, India Studies)
- Merritt Lawlis (English)
- Rosemary Lloyd (Rudy Professor, French and Italian)
- Giancarlo Maiorino (Rudy Professor)
- Bert Breon Mitchell
- James Naremore (Chancellor's Professor, Communication and Culture)
- Mihály Szegedy-Maszák (Central Eurasian Studies)
- Ulrich Weisstein (Germanic Studies)
- Carl Ziegler (Germanic Studies)

#### **Director of Undergraduate Studies**

- Associate Professor Akinwumi Adesokan

#### **Undergraduate Advisor**

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## **Major in Comparative Literature**

#### **Required Courses**

1. General Methods and Theory C205 and C305.
2. One course each from two of the following groups:
  - Genre C216, C217, C311, C313, C315, C318, C417
  - Period C320, C321, C325, C329, C333, C335, C337, C338
  - Comparative Arts C251, C252, C255, C256, C310, C351, C355, C357, C358, C361
  - Cross-Cultural Studies C262, C265, C301, C340, C370, C377, C464
3. Six additional courses (18 credits) in Comparative Literature, at least four of which (12 credit hours) must be at the 300 level or above. Students completing a double major must consult with advisors in each major regarding stipulations. C110 may not be used to fulfill major requirements.
4. In addition to the above requirements, students must satisfy the requirements for one of the following two options:

#### **Option A - Language and Literature:**

One advanced course at the 300 or 400 level, or its equivalent, that includes the study of a foreign language literature in the original.

#### **Option B - Interdisciplinary Study of Literature:**

One of the above 300- or 400-level interdisciplinary comparative literature courses (e.g., C310, C347, C355, C357, C358, C343\*, C345\*, C349, any course listed as a "Period Course"), paired with an additional 300- or 400-level course offered by a corresponding department. Students who choose the interdisciplinary option will select an upper-level class in an outside field in consultation with the Director of Undergraduate Studies. The student will then write a one-page explanation of why the class is suitable for the interdisciplinary track. The standing Undergraduate Committee of Comparative Literature

will give final approval of the proposal. Some examples of departments and programs that offer suitable outside interdisciplinary courses include Anthropology, Fine Arts—History, History, History and Philosophy of Science and Medicine, Philosophy, Political Science, Psychological and Brain Sciences, Religious Studies and Theatre, Drama and Modern Dance. The course taken in a corresponding department must be completed on the Bloomington campus.

Students must also complete the degree requirements of the College of Arts and Sciences.

### **Recommendations for All Majors**

It is recommended that majors continue work in a foreign language and literature through three consecutive years, regardless of their proficiency when entering the program. Students intending to do graduate work in comparative literature are advised to begin a second foreign language.

### **Departmental Honors Program**

Majors who have maintained a high level of academic achievement with a GPA of 3.300 or higher, and who have taken at least one 300-level comparative literature course, are eligible for the Honors Program. Students may qualify for graduation with honors in comparative literature in one of three ways: by completing three honors tutorials, by writing an honors paper, or by completing an honors project. An undergraduate senior seminar in comparative literature may be substituted for one of the honors tutorials. Interested students may obtain detailed information from the Director of Undergraduate Studies.

### **Minor in Comparative Literature**

Students wishing to complete a minor (minimum of 15 credit hours) with the Department of Comparative Literature must complete five courses in Comparative Literature. Four courses must be at the 200 level or above with at least 3 courses (9 credits) at the 300 level or above.

**Note:** Students who minor in comparative literature may not also minor in comparative arts.

### **Minor in Comparative Arts**

#### **Requirements**

- Five comparative arts courses or approved cross-listed courses (minimum of 15 credit hours)
- At least 9 credit hours of course work (after C255) must be taken at the 300–400 level.
- At least two courses taken in comparative literature

**Note:** Students who minor in comparative arts may not also minor in comparative literature. Comparative literature majors may obtain the minor in comparative arts but may not count the same courses for both the major and the comparative arts minor.

### **Secondary Teacher Certification**

Students majoring in comparative literature and planning to teach at secondary schools may earn a teacher certificate for English or another language. Students considering teacher certification should consult with an advisor in the School of Education as early as possible for further information.

### **Overseas Study**

All majors in comparative literature are encouraged to participate in one of the university's foreign study programs, where students can continue to make progress toward their degrees and apply financial aid to program fees. For information about study abroad, contact the [Office of Overseas Study](#) in the Leo R. Dowling International Center, 111 South Jordan Avenue, (812) 855-9304.

### **Course Descriptions**

#### **General, Methods, and Theory Courses**

##### **CMLT-C 100 Freshman Seminar (3 cr.) CASE A&H**

Analysis and discussion of selected major works of literature and art illustrating historical and stylistic problems related to specific themes, artists, or genres.

##### **CMLT-C 110 Writing the World (3 cr.) CASE EC**

Introduces composition skills applicable to all majors: topic and thesis development, finding and integrating evidence, drafting and revising, organization from introduction to conclusion. Uses short literary texts from diverse genres, periods, and national traditions for discussion and essay topics.

##### **CMLT-C 111 Reading the World (3 cr.) CASE A&H, CASE GCC**

Diverse literary genres and cultures from around the world explored through a comparative analysis of characters and themes in canonical and non-canonical texts, both ancient and modern.

##### **CMLT-C 155 Culture and the Modern Experience: An Interdisciplinary and International Approach**

**(3 cr.) CASE A&H, CASE GCC** This course, which is interdisciplinary in method and international in scope, introduces students to an inclusive study of major cultural parallels, contrasts, and developments across the arts and beyond national and continental divides. Syllabi and selections of course materials will reflect the specialties of individual instructors.

##### **CMLT-C 200 Honors Seminar (3 cr.) CASE A&H**

Selected authors and topics, ranging from traditional to modern (for example, Athens and Jerusalem: The Origins of Western Literature). Traditional or current debates and issues of a critical, theoretical, or historical nature. Comparative methodology, interdisciplinary approach. May be repeated once for credit with a different topic.

##### **CMLT-C 205 Comparative Literary Analysis (3 cr.)**

**CASE A&H** Introduction to basic concepts of literary criticism through comparative close readings of texts from a variety of literary genres—fiction, poetry, drama, essay—from diverse traditions. I Sem., II Sem. May be repeated once for credit with a different topic.

##### **CMLT-C 301 Special Topics in Comparative Literature (3 cr.) CASE A&H, CASE GCC**

R: C205 or 3 credit hours of literature. Special topics concerning two or more literary traditions or literature and other areas in the humanities. May be repeated with a different topic for a maximum of 6 credit hours.

##### **CMLT-C 305 Comparative Approaches to Literature: Theory and Method (3 cr.) CASE A&H**

P: C205. Introduction to modern critical theory based on the study of literary texts and of critical and theoretical works.

**CMLT-C 400 Studies in Comparative Literature (3 cr.)****CASE A&H R:** C205 or 3 credit hours of literature.

Specific problems concerning the relationship of two or more literatures or of literature and another area in the humanities. May be repeated twice.

**CMLT-C 405 Senior Seminar in Comparative Literature (3 cr.)****CASE A&H R:** C205 or 3 credit hours of literature.

Selected topics treated in seminar fashion. Recommended for majors. May be repeated with a different topic for a maximum of 6 credit hours.

**Genre Courses**

**CMLT-C 216 Science Fiction, Fantasy, and the Western Tradition (3 cr.)** **CASE A&H** Historical and comparative survey of science fiction and fantasy narrative from antiquity to the present. The origin of scientific narrative in ancient Greek literature, its relation to ancient myths, and its history and development. Emphasis on philosophical, cognitive, and scientific aspects of the genre.

**CMLT-C 217 Detective, Mystery, and Horror Literature (3 cr.)** **CASE A&H** Origins, evolution, conventions, criticism, and theory of the detective and mystery story; history of the Gothic novel; later development of the tale of terror; major works of this type in fiction, drama, and film.

**CMLT-C 219 Romance and the Western Tradition (3 cr.)** **CASE A&H** Origins, evolution, conventions, criticism, and theory of the romance, from antiquity to the present; representative texts from Apuleius to modern pulp fiction.

**CMLT-C 311 Drama (3 cr.)** **CASE A&H R:** C205 or 3 credit hours of literature. Analytical and historical study of various forms of dramatic literature emphasizing differences between drama and other literary genres. Survey of periods and dramatic conventions, close reading of selected plays, some concern with theoretical problems.

**CMLT-C 313 Narrative (3 cr.)** **CASE A&H R:** C205 or 3 credit hours of literature. Historical and analytical study of various forms of narrative literature. Examination of narrative as a primary literary genre and analysis of such diverse forms as myth, folktale, epic, romance, gospel, saint's life, saga, allegory, confession, and novel.

**CMLT-C 315 Lyric Poetry (3 cr.)** **CASE A&H R:** C205 or 3 credit hours of literature. Close reading of exemplary poems with an emphasis on interpretation and on the interplay between literal and figurative language. Topics will include the way poems are shaped, their ambiguous status as private and public statements, and their relation to tradition, to their readers, and to one another.

**CMLT-C 317 Epic: Heroes, Gods, and Rebels (3 cr.)** **CASE A&H** Historical and comparative survey of one or more traditions of epic poetry. Origins, evolution, conventions, criticism, and theory of the chosen tradition(s) to be studied through readings of selected epics. Some consideration of the social and political roles of individual epics and the genre.

**CMLT-C 318 Satire (3 cr.)** **CASE A&H R:** C205 or 3 credit hours of literature. Historical and analytical study of forms, techniques, and scope of satire from antiquity to the Internet. Consideration of the role of ridicule in defending

or attacking institutions, values, and beliefs. Credit given for only one of C218 or C318.

**CMLT-C 415 Medieval Lyric (3 cr.)** **CASE A&H, CASE GCC**

**R:** C205 or 3 credit hours of literature. Comparative study of religious and secular lyric poetry in medieval Europe. Exploration of cultural contexts and formal concerns, such as the development of medieval rhetorical theory. The continuation and transformation of classical poetic conventions, and the interplay of musical and verbal texts.

**CMLT-C 417 Medieval Narrative (3 cr.)** **CASE A&H,**

**CASE GCC R:** C205 or 3 credit hours of literature. Comparative analysis of traditions of narrative in medieval Europe. Works studied within their cultural contexts and in reference to narrative theory. Topics and works vary, but may include the allegorical narrative, romance, fabliaux, saint's life, and dream vision.

**Period Courses****CMLT-C 320 World Literature before 1500 (3 cr.)**

**CASE A&H R:** C205 or 3 credit hours of literature. Survey of selected genres of literature from earliest written texts through the end of the Middle Ages, covering the major centers of world civilization—the Mediterranean, India, and East and West Asia.

**CMLT-C 321 Medieval Literature (3 cr.)** **CASE A&H,**

**CASE GCC R:** C205 or 3 credit hours of literature. Study of works from the major genres of medieval European literature: epic, romance, allegorical narrative, lyric poetry, and drama. Topics may include the relationship of secular and religious traditions, the role of multilingual communities in shaping medieval literature, and the influence of social context on literary production.

**CMLT-C 325 The Renaissance (3 cr.)** **CASE A&H,**

**CASE GCC R:** C205 or 3 credit hours of literature. Prose fiction, long narrative poems, lyric poems, essays, tracts, and plays written between 1350 and 1650 in Italy, France, Spain, Germany, and England. Authors such as Petrarch, Boccaccio, Chaucer, Machiavelli, More, Castiglione, Rabelais, Montaigne, Shakespeare, Cervantes, and Hobbes.

**CMLT-C 329 The Eighteenth Century (3 cr.)** **CASE A&H, CASE GCC**

**R:** C205 or 3 credit hours of literature. The dominant literary and intellectual trends of the eighteenth century, such as neoclassicism, rococo, Enlightenment, and preromanticism. Authors such as Pope, Swift, Montesquieu, Richardson, Voltaire, Diderot, Kant, Rousseau, Lessing, and Sterne.

**CMLT-C 333 Romanticism (3 cr.)** **CASE A&H, CASE GCC**

**R:** C205 or 3 credit hours of literature. The rise of romantic tendencies in eighteenth-century Europe; the romantic revolution in early nineteenth-century Western literature. Authors such as Goethe, Chateaubriand, Wordsworth, Byron, Novalis, Hoffmann, Hugo, Pushkin, and Poe.

**CMLT-C 335 Realism, Naturalism, and Symbolism**

**(3 cr.) CASE A&H, CASE GCC R:** C205 or 3 credit hours of literature. The rise of realism in nineteenth-century fiction and its development into naturalism and impressionism; the symbolist reaction in poetry; the reemergence of the drama as a major genre. Authors

such as Dickens, Flaubert, Tolstoy, Mallarme, Ibsen, Hauptmann, Strindberg, Chekhov.

**CMLT-C 337 The Twentieth Century: Tradition and Change (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. The search for forms and language to express new understandings of art and reality in the era of modernism.

**CMLT-C 338 Literature Today: 1950 to the Present (3 cr.) CASE A&H** R: C205 or 3 credit hours of literature. An exploration of major literary movements, styles, or currents shaping literature after World War II, such as the theatre of the absurd, postmodernism, magical realism, cyberpunk, postcolonialism, and transnationalism.

#### **Comparative Arts**

##### **CMLT-C 151 Introduction to Popular Culture (3 cr.) CASE A&H, CASE DUS**

The serious study of entertainment for mass consumption, including popular theatre and vaudeville, bestsellers, mass circulation magazines, popular music, phonograph records, and popular aspects of radio, film, and television. Provides the basic background to other popular culture courses in comparative literature.

**CMLT-C 251 Lyrics and Popular Song (3 cr.) CASE A&H, CASE DUS** Survey of popular songs of Europe and the Americas, including modern ballads, cabaret songs, Spanish flamencos, Mexican rancheras, Argentine tangos, country western, and rock lyrics. Discussion of literary qualities of lyrics in context of musical setting and performance and independently as literature.

**CMLT-C 252 Literary and Television Genres (3 cr.) CASE A&H** Comparative study of popular literary and television genres, such as farce, domestic comedy, melodrama, biography, mystery, adventure, western, the picaresque. Theoretical, technical, and ideological contrasts between the literary and television media.

**CMLT-C 255 Modern Literature and Other Arts: An Introduction (3 cr.) CASE A&H, CASE GCC** The study of literature, painting, and music and the ways in which meaning is expressed in such forms. Investigates similarities and differences among the arts. Examples selected from the past 200 years. No previous knowledge of any art required. I Sem., II Sem.

**CMLT-C 256 Literature and Other Arts: 1870–1950 (3 cr.) CASE A&H, CASE GCC** P: C255 or consent of instructor. Interaction of the arts in the development of Western literature, painting, and music in movements such as impressionism, symbolism, constructivism, expressionism, dada, and surrealism.

**CMLT-C 257 Asian Literature and Other Arts (3 cr.) CASE A&H, CASE GCC** Selected literary texts of China, India, or Japan studied in the context of the art forms and cultures of these countries. Concentration on one culture each time course is offered. May be repeated once with different topic.

**CMLT-C 261 Introduction to African Literature (3 cr.) CASE A&H, CASE GCC** Oral and written poetry, epic, fiction, drama, and film from around the continent with reference to historical and cultural contexts, and debates on language choice, "authenticity," gender, and European representations of Africa.

**CMLT-C 351 Adaptations: Literature, Stage, and Screen (3 cr.) CASE A&H** R: 3 credit hours of literature. Adaptations of literary texts into new literary works or art forms such as theatre, film, opera, music, and digital media. Examination of the historical, cultural, and aesthetic issues involved in revising and reimagining source texts.

**CMLT-C 355 Literature, the Arts, and Their Interrelationship (3 cr.) CASE A&H** R: C255. Discussion of theoretical foundations for study of the relationship of the arts; detailed analysis of specific works illustrating interaction of literature with other arts.

**CMLT-C 357 The Arts Today: From 1950 to the Present (3 cr.) CASE A&H, CASE GCC** R: C255 and C256. Shared trends in literature, the visual arts, music, dance, and theatre. The heritage of dada and surrealism, the absurd, and constructivism; the new realism. Happenings, minimal art, conceptual art, antiart, participatory and environmental art. New materials, mixed media, multimedia and intermediality.

**CMLT-C 358 Literature and Music: Opera (3 cr.) CASE A&H, CASE GCC** P: Two courses in literature, theatre, or music history. Selected opera libretti from various periods. Comparison of libretti with their literary sources; emphasis on specific problems connected with the adaptation of a literary work to the operatic medium. Evaluation of representative libretti as independent literary works.

**CMLT-C 361 African Literature and Other Arts (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. A focus on critical issues in the field of African letters, such as transnationalism, the question of orality, choice of language, the economics and politics of publishing—both within and outside the continent, and their impacts on cultural forms including new, non-literary media. Authors such as Achebe, Aidoo, Armah, Diop, Farah, Head, Kunene, Ngugi, p'Bitek, Sembene, and Soyinka.

#### **Cross-Cultural Studies**

**CMLT-C 262 Cross-Cultural Encounters (3 cr.) CASE A&H, CASE GCC** Encounters between different cultures explored in the literature, art, film, and music resulting from various forms of cultural contact (travel, colonization, religious diffusion, print and electronic technologies). Topics include transformation of cultural institutions, processes of cross-cultural representation, globalization of the arts and culture, development of intercultural forms. Historical and regional focus may vary. May be repeated with a different topic for a maximum of 6 credit hours.

**CMLT-C 265 Introduction to East Asian Poetry (3 cr.) CASE A&H, CASE GCC** Major forms of East Asian poetry in a comparative context, with attention to issues such as poetics, gender, Zen, historical development, and interactions with other literary genres. Authors such as Bei Dao, Li Bo, and Basho.

**CMLT-C 266 Introduction to East Asian Fiction (3 cr.) CASE A&H, CASE GCC** Readings from the major novels of East Asia, such as *Monkey*, *Story of the Stone*, *The Tale of Genji*, and *The Cloud Dream of the Nine*, along with shorter fictional forms (both vernacular and classical). Exploration of issues such as self and society, desire and enlightenment, the relationship between fictional and other

genres, historical development of fiction, and comparison with Western conceptions of narrative.

**CMLT-C 340 Women in World Literature (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Study of literature by women from different ages and societies. Consideration of issues such as the relationship to literary tradition and cultural context, the creation of an authoritative voice, or the representation of women in literature. Course may focus on one genre or mode (such as drama, lyric, autobiography, or satire).

**CMLT-C 360 Diasporic Literatures (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Study of literature by writers of different regional and religious diasporas, with particular attention to issues relating to cultural identity and location. Consideration of closely related categories and concepts such as immigrant, ethnic minority, hybridity, and deterritorialized cultures.

**CMLT-C 363 Black Paris (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. The common and divergent experiences of African American, Afro-Caribbean, and African travelers to the "City of Light," from 18th-century New Orleans Creoles to 21st-century youth of African descent, as seen through literature, performance, film, and other arts. Issues of colonization, expatriation, immigration, exile, the Harlem Renaissance and "negritude," race and diaspora, transnationalism. Credit given for only one of CMLT C363 or AAAD A304.

**CMLT-C 364 The Caribbean: Literature and Theory (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Poetry, fiction, drama, musical lyrics, travel literature, and prose from the Anglophone, Francophone, Hispanophone, and Dutch-speaking Caribbean. Discussion of major currents affecting literary production and interpretation. Topics such as immigration, diaspora, Rastafarianism, Voudoun, tourism. May be repeated with a different topic for a maximum of 6 credit hours.

**CMLT-C 365 Japanese-Western Literary Relations (3 cr.) CASE A&H, CASE GCC** Japanese influences on Western poets and dramatists: color prints, haiku, and Noh plays. The Western impact on Japanese literature: the Japanese adaptation of movements such as romanticism, realism, naturalism, and symbolism, with special emphasis on the Japanese traits that these movements acquired.

**CMLT-C 370 Comparative Studies in Western and Middle Eastern Literatures (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Literary exchanges and influences between Western and Middle Eastern traditions in Arabic, Persian, or Turkish. Period and topic vary. May be repeated once with a different topic for a maximum of 6 credit hours.

**CMLT-C 375 Imagining China, Translating China (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Topics may include comparison of Chinese and European philosophical traditions, Western representations of China, East-West contact in the larger historical context, and the translation of literary works across cultures. Readings by authors such as Marco Polo, Voltaire, Pound, and Sigrid Nunez.

**CMLT-C 377 Topics in Yiddish Literature (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Selected topics focusing on Yiddish fiction and drama (1810–1914) or twentieth-century Yiddish fiction, drama, and poetry. Taught in English. No prior knowledge of Yiddish required. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours for any combination of C377 and GER-E 351.

**CMLT-C 378 Topics in Yiddish Culture (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Selected topics on history of Ashkenazic Jews; Old Yiddish and premodern Yiddish folklore and popular culture; history and sociology of Yiddish; modern Yiddish culture; and centers of modern Yiddish culture. Taught in English. No prior knowledge of Yiddish required. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours for any combination of C378 and GER-E 352.

**CMLT-C 464 French Language Literature of Africa and the Americas (3 cr.) CASE A&H, CASE GCC** Literary texts and films, their poetics and historical contexts. Particular consideration of the tension surrounding the use of French language in Africa and the Caribbean and the creation of French language literatures, their relationship to local oral traditions and metropolitan French literature. Course will be conducted in French.

#### **Themes in Literature; Literature and Ideas**

**CMLT-C 147 Images of the Self: East and West (3 cr.) CASE A&H, CASE GCC** Topics such as the individual in society, the outcast as hero, and artistic sensibility, examined in selected works of Western and Eastern literature from ancient to modern times.

**CMLT-C 343 Literature and Politics (3 cr.) CASE A&H** R: 3 credit hours of literature. The intersection of literature and political issues, the representation of political ideas in literary works, literature's impact on politics and its role in public debate. Time periods, literatures, and civilizations studied will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**CMLT-C 345 Literature and Religion (3 cr.) CASE A&H** R: 3 credit hours of literature. Literature from or about one or more religious traditions. Religious literature as influenced by—but distinct from—theology, religious doctrine, or philosophy. The impact of imaginative literature on the growth of religious ideas. Includes the study of historical contexts. May be repeated with a different topic for a maximum of 6 credit hours.

**CMLT-C 347 Literature and Ideas (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Historical interrelations between literature and philosophy. Recent topics have included free will and the problem of evil; mysticism, criminality, and suffering; existentialism and the literature of the absurd. May be repeated with a different topic for a maximum of 6 credit hours.

**CMLT-C 349 Literature and Science (3 cr.) CASE A&H** R: 3 credit hours of literature. The intersection of literature and the arts with science and technology, including the representation of scientific discovery and perspective, the dramatization of science's impact on society, the image of the scientist as artist. May include literature by scientists, and the use of scientific methods of analysis

for interpreting literature. May be repeated with a different topic for a maximum of 6 credit hours.

**CMLT-C 445 Early Traditions of Christian Literature (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Imaginative religious literature by Christian authors to the twelfth century; relationship to Jewish, classical, and Muslim cultural traditions; emergence of new genres; development and transformation of early themes and forms.

**CMLT-C 446 Traditions of Christian Literature II (3 cr.) CASE A&H, CASE GCC** R: C205 or 3 credit hours of literature. Religious literature of the later Middle Ages, the Renaissance, and the baroque, and the transformation of its themes and forms in more recent writings. Close reading of individual texts as well as consideration of their cultural and theological contexts.

#### Literature and Film

**CMLT-C 291 Studies in Non-Western Film (3 cr.) CASE A&H, CASE GCC** Emphasis on non-Western film in relation to literary and cultural texts. Films may be studied as adaptations of literary works, as reworkings of generic or ideological traditions, and in their engagement with the aesthetics of non-Western theater and Hollywood. Focus on one regional tradition (African, Asian, Middle Eastern) each time the course is offered. May be repeated with a different topic for a maximum of 6 credit hours.

#### CMLT-C 310 Literature and Film (3 cr.) CASE A&H

R: C205 or 3 credit hours of literature. Analysis of the processes and problems involved in turning a literary work (novel, play, or poem) into a screenplay and then into a film. Close study of literary and film techniques and short exercises in adaptation.

#### CMLT-C 490 Individual Studies in Film and Literature (1-3 cr.)

P: Consent of chairperson of film committee. I Sem., II Sem., SS. May be repeated once with a different topic.

#### CMLT-C 492 Comedy in Film and Literature (3 cr.)

**CASE A&H** Evolution, styles, and techniques of film comedy in America and Europe from the beginnings of cinema to the present. Theories of comedy and humor; relationship of film comedy to comedy in fiction, drama, pantomime, circus, and vaudeville. Work of leading film comedians.

#### Individual Studies

**CMLT-C 495 Individual Readings in Comparative Literature (1-6 cr.)** P: Consent of chairperson. I Sem., II Sem., SS. May be repeated for a maximum of 6 credit hours.

**CMLT-C 496 Foreign Study in Comparative Literature (3-8 cr.)** P: Consent of chairperson. May not be repeated for credit.

**CMLT-C 499 Studies for Honors (2-6 cr.)** P: Consent of the director of undergraduate studies. Independent reading and research in conjunction with an advanced course in comparative literature or an honors paper or project. I Sem., II Sem., SS. May be repeated for a maximum of 12 credit hours.

## Computer Science

Although the Department of Computer Science is part of the School of Informatics and Computing, the B.A. and the minor in Computer Science are issued through the College. Students pursuing the B.A. or the minor will be subject to rules established for other students in the College, while specific requirements for the major and minor will be jointly determined by the College and the School of Informatics and Computing.

For information about Computer Science as well as about the minors and certificates offered by the School of Informatics and Computing, please see the section of this *Bulletin* entitled "School of Informatics and Computing."

## Criminal Justice

#### Introduction

The Department of Criminal Justice (CJUS) focuses on social norms, rules, and laws; the causes of their violations; and the social and legal response to these violations. Systems of regulation, including the criminal justice system and dispute resolution processes, are studied and evaluated as organizational, social, and cultural processes.

Criminal justice is an interdisciplinary field that draws on the social sciences, legal studies, and the humanities. Teaching and research are carried out by a diverse group of scholars trained in criminal justice and criminology, law, sociology, psychology, and philosophy. The degree is designed for students interested in studying justice-related issues, including law.

#### Contact Information

Department of Criminal Justice  
Indiana University  
Sycamore Hall 302  
Bloomington, IN 47405-7005  
(812) 855-9325  
[crimjust@indiana.edu](mailto:crimjust@indiana.edu)

<http://www.indiana.edu/~crimjust>

#### Faculty

##### Chairperson

- Michael Grossberg, Sally M. Reahard Professor of History and Professor of Law

##### Virginia L. Roberts Professor

- Bruce Sales

##### Professors

- Roger Levesque
- Richard Lippke
- Kip Schlegel

##### Associate Professors

- William Oliver
- Marla Sandys
- Arvind Verma

##### Assistant Professors

- Mark Berg
- Miriam Northcutt Bohmert

- Natalie Hipple
- Akwasi Osusu-Bempah

#### **Adjunct Professor**

- Stephanie Kane (International Studies)

#### **Adjunct Associate Professor**

- Philip Parnell (International Studies)

#### **Senior Lecturer**

- William Head

#### **Academic Advising**

- Krystie Herndon, Sycamore Hall 301
- Valerie Puiatti, Sycamore Hall 336

To schedule an advising appointment, please call (812) 855-9325.

## **Major in Criminal Justice**

#### **Required Courses**

Students must complete the following:

1. At least 30 credit hours in criminal justice, including CJUS P100, P200, P290, P314, and K300 (or another 300-400 level substitute approved by the department; see undergraduate advisor).
2. Two 400-level courses in criminal justice and three electives (for a minimum of 15 credit hours). All three electives must be at the 300 or 400 level. Only one of the electives may be taken from the list of Optional Courses Approved for the Major and Certificate; the remaining electives must be in criminal justice.
3. At least 18 credit hours of the above course work must be taken in residence on the Bloomington campus.

Majors may substitute a different 300-level course in statistical methods from another department of the College of Arts and Sciences, but in that case no course from the Optional Courses Approved for the Major and Certificate may count toward the major. Students who are interested in pursuing this option (i.e., an alternative statistics course) must first verify their eligibility with the Department of Criminal Justice.

Students must also complete the degree requirements for the B.A. degree in the College of Arts and Sciences.

## **Minor in Criminal Justice**

#### **Requirements**

1. P100, P200, and P314.
2. Two additional courses (6 credit hours) in criminal justice at the 300–400 level. (CJUS K300 does not count in the minor.)
3. 9 of the 15 credit hours must be completed on the Bloomington campus.

## **Certificate in Criminal Justice**

#### **Requirements**

Students who complete departmental requirements for a major in criminal justice and earn either a B.S. or B.F.A. degree in the College of Arts and Sciences or a bachelor's degree from another Indiana University Bloomington school are eligible for the certificate.

Students pursuing the certificate may substitute a course in statistical methods from another department of the College of Arts and Sciences, but in that case no course from the list of Optional Courses Approved for the Major and Certificate may count toward the certificate. Students who are interested in pursuing this option (i.e., an alternative statistics course) must first verify its eligibility with the Department of Criminal Justice.

## **Internship Program**

The department encourages students to gain valuable experience in all areas related to a degree in criminal justice. The department offers students three different internship opportunities: 1) an internship with a criminal justice-related office or agency (P481, Field Experience in Criminal Justice), 2) working one-on-one with a faculty member on a research project (P496, Research Internship), or 3) learning about effective teaching practices while assisting a faculty member in an undergraduate course (P497, Teaching Internship). Students should check the relevant course description for specific prerequisites and requirements.

## **Departmental Honors Program**

The department offers outstanding students the opportunity to pursue important issues and problems in depth and to work closely with faculty in the departmental honors program. Students who have completed P100, P200, P290, P314 and K300, and who have a College of Arts and Sciences grade point average of at least 3.300, may be admitted to the honors program in their junior year. For graduation with a B.A. with honors in criminal justice, students must:

1. Earn a GPA of 3.300 or higher in the major upon graduation.
2. Complete P399 Honors Seminar. In P399 the student will do exploratory reading in an area of interest, select and develop a research topic, and write a prospectus for the honors thesis.
3. Write and present an undergraduate honors thesis under the direction of a faculty advisor. The thesis must be read and approved by a three-person faculty committee. A maximum of 6 hours of credit may be earned for the honors thesis by registering for P499.
4. Complete all other requirements for a major in criminal justice.

## **Course Descriptions**

### **CJUS-P 100 Introduction to Criminal Justice (3 cr.)**

**CASE S&H** Historical and philosophical background, structure, functions, and operation of the criminal justice system in the United States. Introduction to and principles of formal behavior control devices.

### **CJUS-P 150 Introductory Topics in Criminal Justice (3 cr.)**

**CASE S&H** Introduction to a specific topic related to crime and justice. Topics vary each semester: see listing in the online *Schedule of Classes*. Credit will not count toward requirements of the major or minor. May be repeated with different topics for a maximum of 6 credit hours.

### **CJUS-P 200 Theories of Crime and Deviance (3 cr.)**

**CASE S&H** Critical examination of biological,

psychological, and sociological theories of crime and deviance. Examination of individual, group, and societal reactions to norm-violating behaviors.

**CJUS-P 210 Service Learning Experience in Criminal Justice (1 cr.)** C: Enrollment in an approved criminal justice course and approval of instructor. Students work with community groups related to criminal justice issues. Requirements typically include training, weekly meetings with a community group, related readings, and written statements.

**CJUS-P 250 Issues in Criminal Justice (3 cr.) CASE S&H** Thorough review and analysis of issues currently facing the criminal justice system. Topics vary each semester: see listing in the online *Schedule of Classes*. May be repeated with different topics for a maximum of 6 credit hours.

**CJUS-P 281 Internship Transfer Hours in Criminal Justice (1-3 cr.)** Designed for students who want to transfer internship credit hours completed at another institution. Students currently enrolled at IU Bloomington cannot register for this class. Credit hours will not count toward requirements of the major or the minor. May be completed with different topics for a maximum of 3 credit hours.

**CJUS-P 290 The Nature of Inquiry (3 cr.) CASE S&H** Introduction to research methodology, nature of scientific inquiry, research design, basic research methods, and presentation of research findings.

**CJUS-K 300 Techniques of Data Analysis (3 cr.) CASE N&M** P: MATH M014 or equivalent. K300 covers the properties of single variables, the measurement of association between pairs of variables, and statistical inference. Additional topics, such as the analyses of qualitative and aggregated data, address specific criminal justice concerns. Credit given for only one of K300, ANTH A306, ECON E370 or S370, MATH K300 or K310, POLS Y395, PSY K300 or K310, SOC S371, STAT K310 or S300 or S301, or SPEA K300.

**CJUS-P 300 Topics in Criminal Justice (3 cr.)** Extensive analysis of selected topics and themes in criminal justice. Topics vary each semester; see listing in the online *Schedule of Classes*. May be repeated with different topics for a maximum of 9 credit hours.

**CJUS-P 301 Police in Contemporary Society (3 cr.) CASE S&H** Examination of the rules and responsibilities of the police, history of police organizations, relations between police and society, and determinants of police action.

**CJUS-P 302 Courts and Criminal Justice (3 cr.) CASE S&H** Structure, organization, composition, functions, and procedures of courts in the United States. Role of lawyers and judges in the criminal justice process.

**CJUS-P 303 Corrections and Criminal Justice (3 cr.) CASE S&H** Historical and comparative survey of prison confinement and the various alternatives within the scope of the criminal justice system's policies and methods of implementation.

**CJUS-P 304 Probation and Parole (3 cr.) CASE S&H** Study of probation, parole, and community corrections as subsystems of criminal justice, including the police, courts,

and prisons. Theoretical and historical developments will be considered along with current management and research issues.

**CJUS-P 305 Deviant Images/Deviant Acts (3 cr.) CASE S&H** Examines cross-cultural theories of deviance and crime. From witchcraft to social construction, study of theories of deviance in different historical and cultural contexts, this course focuses on ways in which theories explain nonconformity and justify social control.

**CJUS-P 306 Drugs and Society (3 cr.) CASE S&H** Analysis of the political, economic, social, and cultural factors that shape the use of consciousness-altering substances. Consideration of the way these factors influence the social and legal response to drug use.

**CJUS-P 307 Policing Democracies (3 cr.) CASE S&H, CASE GCC** Policing an open society is a challenge that demands protecting as well as safeguarding individual liberty. Examines the issues of democratic policing by focusing on the U.S., India, and other democracies where plural, diverse and multi-religious populations present an extraordinary challenge of governance by democratic means.

**CJUS-P 308 Gender and Crime (3 cr.) CASE S&H, CASE DUS** Course examines diverse perspectives which inform our understanding of how gender impacts crime, particularly sex crimes and domestic violence. Attention is given to social/cultural changes needed to reduce the incidence of these crimes. Students conduct independent research on selected topics pertinent to gender differences in crime perpetration and victimization.

**CJUS-P 309 Preventing Antisocial Behavior (3 cr.) CASE S&H** Examination of the vast array of prevention models and approaches in existence and exploration of new directions in antisocial behavior/crime prevention. The emphasis is on the implementation, evaluation, and critique of prevention strategies. Credit given for only one of P309 or P405.

**CJUS-P 311 Private Security (3 cr.) CASE S&H** Examines individuals, not-for-profit agencies, and corporations that supplement the efforts of the traditional criminal justice system. Private components of each major segment of the criminal justice system are explored. The course specifically highlights private policing, alternative dispute resolution, private prisons, and private juvenile centers.

**CJUS-P 312 Child Maltreatment and the Law (3 cr.) CASE S&H** Exploration of how the legal system defines what constitutes the major forms of child maltreatment deemed worthy of state intervention. Examination of the nature of families assumed problematic and how the state directly intervenes. The legal challenges faced by prevention efforts.

**CJUS-P 314 Law and Social Science (3 cr.) CASE S&H** Structure and operation of law, legal systems, and legal processes across both civil and criminal justice; the potential role of social science in aiding in understanding that law's creation and implementation, and the potential need for change. Credit given for only one of P314 or P202.

**CJUS-P 316 Crime in the Movies (3 cr.) CASE A&H** This course is designed to examine the way that crime

and criminals have been portrayed throughout the last 80 years in popular movies. Crime has always been a favorite source of material for Hollywood, and we will be exploring the way that the depiction of criminal activity reflects the social mores of a particular era. Thus, this course draws from a variety of disciplines as we critique the films and analyze the messages they convey about crime and criminals in society.

**CJUS-P 320 Foundations of Criminal Investigation (3 cr.) CASE S&H** The pertinence to criminal investigation of physical evidence, people, and documents. Discussion of ethical problems, impact of legal systems on investigative process, and elements of effective testimony. Lectures and case materials.

**CJUS-P 330 Criminal Justice Ethics (3 cr.)** Study of major ethical theories with emphasis on their application to components of the criminal justice system. Personal and professional dilemmas and problem-solving strategies are emphasized.

**CJUS-P 340 Law and Society: The Cross-Cultural Perspective (3 cr.) CASE S&H** Roles of legal institutions and processes in social and cultural systems. Cross-cultural examination of the foundations and contexts of legal forms and content and their relation to social, economic, and political systems and institutions. Analysis of legal impact, legal change, and legal development.

**CJUS-P 360 Psychology and the Law (3 cr.) CASE S&H** Introduction to the use and misuse of psychology throughout the criminal justice system and its processes. The course also examines the psychological development of offenders, the psychological impact of crime on victims, and the role of psychology in enacting effective criminal justice policies.

**CJUS-P 362 Sex Offenders (3 cr.) CASE S&H** Examines a wide range of topics related to sex offenders, such as theories of deviance, sex crimes, sex addictions, pedophilia, adolescent offenders, rape and sexual assault, incest, legal responses, predator laws, risk assessment, and treatment. Content of interest to future investigators, prosecutors, police officers, and probation and treatment specialists.

**CJUS-P 370 Criminal Law (3 cr.) CASE S&H** Definition of common crimes in the United States and factors involving the application of criminal law as a formal social control mechanism. Behavior-modifying factors that influence criminal liability and problems created when new offenses are defined.

**CJUS-P 371 Criminal Procedure (3 cr.) CASE S&H** Fundamental legal problems of criminal justice system processes. Emphasis on pretrial and trial phases of American system procedures.

**CJUS-P 375 American Juvenile Justice System (3 cr.) CASE S&H** Structure and operation of the juvenile justice system in the United States, past and present. Analysis of the duties and responsibilities of the juvenile police officer, the juvenile court judge, and the juvenile probation officer.

**CJUS-P 380 Dispute Management (3 cr.) CASE S&H** This course examines the processes through which individuals and groups publicly manage and settle their conflicts. Concentration on the processes of negotiation, mediation, and adjudication. Types of social and cultural

situations in which these processes are used and developed to settle disputes. Processes that are most effective in settling particular types of disputes.

**CJUS-P 381 History of Social Control in the United States (3 cr.) CASE S&H** Historical survey of ways in which Americans have tried to introduce social stability and curtail disorder within a democratic context. Includes changing definitions of deviance; development of institutions, such as prisons, mental hospitals, schools, and juvenile courts; moral reform movements; and the emergence of the corporate state.

**CJUS-P 399 Reading for Honors (1-6 cr.) P:** Approval of departmental honors advisor. May be repeated once for a maximum of 6 credit hours.

**CJUS-P 401 Environmental Justice (3 cr.) CASE S&H, CASE GCC** Interdisciplinary course on comparative justice focuses on critical issues in a range of continents, communities, and cultures. Examines the changing dynamics of law, crime, ecology, and social activism at local, regional, and global levels.

**CJUS-P 402 Criminal Careers (3 cr.) CASE S&H** Law-abiding citizens have careers that can be intermittent or careers that last a lifetime. Criminal behavior (or "criminal careers") follows a similar pattern. This course identifies and examines why individuals have distinct criminal careers and the policy implications of the criminal-career approach.

**CJUS-P 403 Developmental Criminology (3 cr.) CASE S&H** Examination of the development of antisocial behavior and offending, the bio-psychosocial risk and protective factors at different ages, and the effects of life events on the course of development.

**CJUS-P 406 Unequal Justice (3 cr.) CASE S&H, CASE DUS** Focuses on controversial issues related to the intersection of race and criminal justice practice. Readings and class discussions examine racial disparities in criminal sentencing, racial profiling, high rates of incarceration among African American men and women, and acts of police violence against racial minorities.

**CJUS-P 407 Terrorism (3 cr.) CASE S&H** Terrorism is a serious challenge today and its policing demands varied responses. In this course we study how terrorists evolve and carry out their operations. The course will analyze police responses and debate the issues of legal boundaries and systems of checks and balances using case studies.

**CJUS-P 411 Criminal Justice Management (3 cr.) CASE S&H** Examination of the ideas and concepts from various disciplines contributing to modern administrative theory, and translation of these insights to the management of criminal justice agencies.

**CJUS-P 412 Sex, Drugs, AIDS, and Criminal Law (3 cr.) CASE S&H** An ethnographic and legal analysis of the AIDS epidemic and its implications for criminal justice. Consideration of the institutional, scientific, and symbolic dimensions of the epidemic and of ethnographic research regarding illegal behaviors, and the transmission of HIV.

**CJUS-P 413 Police-Community Relations (3 cr.) CASE S&H** Examination of the relations between police and urban communities. Consideration of the social,

economic, and political factors that shape these relations and alternative approaches to improving police-community relations.

**CJUS-P 414 Adolescents and the Law (3 cr.) CASE S&H, CASE DUS**

Examination of the place of adolescents in American law and policy. Consideration of adolescents' rights, limits to these rights, and their relationship to socio-cultural images of adolescents.

**CJUS-P 415 Crime and Madness (3 cr.) CASE S&H** The study of the chronic mentally ill and of career criminals. Examination of the groups so labeled, the responses of the criminal justice and mental health systems to them, and their movement back and forth between the streets, prisons, and psychiatric centers.

**CJUS-P 416 Capital Punishment (3 cr.) CASE S&H**

Consideration of issues raised by the use of the death penalty in the United States. Emphasis on critical thinking and open dialogue.

**CJUS-P 417 Urban Crime Patterns (3 cr.) CASE S&H**

Perspectives from sociology and urban geography are used to analyze urban crime. Emphasis on urban spatial structure and its impact on crime rates, crime patterns, criminal behavior, and social ecology.

**CJUS-P 418 Street Crime (3 cr.) CASE S&H**

Examination of a variety of street crimes. Consideration of acts so labeled, their incidence, participants, context, and manner of commission.

**CJUS-P 419 Race, Class, and Crime (3 cr.) CASE S&H, CASE DUS**

Examination of the contemporary realities associated with race and crime. Consideration of the social, political, and economic factors that shape the life chances of American minorities; theories of minority crime causation; minorities in the criminal justice system; definitional problems associated with concepts of race and crime.

**CJUS-P 420 Violence in the Black Community (3 cr.) CASE S&H, CASE DUS**

Analysis of the causes and consequences of interpersonal violence among African Americans. Analysis of various social factors (e.g., racial discrimination, female-headed families, drug abuse, conceptions of masculinity) that contribute to this problem.

**CJUS-P 421 Crime Prevention: Environmental Techniques (3 cr.) CASE S&H**

Analysis of criminal behavior and victimization from the perspective of environmental criminology. Examination of situational techniques that may be applied for their prevention.

**CJUS-P 423 Sexuality and the Law (3 cr.) CASE S&H**

Interdisciplinary analysis of topics pertaining to sexuality and the law. Examination of legal and cultural debates regarding sexual images and acts, the criminalization of motherhood, the international prostitution industry, and mass rape.

**CJUS-P 426 Juvenile Delinquency (3 cr.) CASE S&H**

Focuses on the critical analysis of the impact of significant individual, social, and institutional influences on delinquency including the family, delinquent peer groups, schools, and the community to respond to the question, "What causes juveniles to break the law?"

**CJUS-P 427 Girls, Violence, and Antisocial Behavior (3 cr.) CASE S&H**

Investigates the causes and

consequences of girls' involvement in antisocial behavior, in particular violent offenses, and potential intervention and treatment.

**CJUS-P 428 Police Misconduct (3 cr.) CASE S&H**

Examines the cause and consequences of three types of police behavior (the decision to arrest, use of force, and police deviance) drawing from empirical literature from criminology, criminal justice, sociology, public administration, and psychology.

**CJUS-P 429 Crime Mapping (3 cr.)**

The application of crime mapping to problems ranging from terrorism trafficking, illicit drug activity, and everyday crimes. Students develop skills in GIS analysis, analyzing crime patterns in terms of related social, economic, political demographic, and physical features under the rubric of Environmental Criminology and Geographical Profiling.

**CJUS-P 430 Law and the Legal System (3 cr.)** Readings from fiction, history, sociology, and anthropology that illuminate English Common Law and its American adaptations. Supreme Court process, judicial review and judicial restraint, and the role of the judiciary in creating as well as reflecting social change. May address contemporary controversies before the courts.

**CJUS-P 431 Social Structure and Violence (3 cr.) CASE S&H**

Examines patterns and causes of variation in violence rates. Discussion of what is unique about the scientific study and measurement of violence. Demographic, temporal, and spatial patterns of violence and discussion of several potential causes of these patterns.

**CJUS-P 432 Defending the Accused (3 cr.) CASE S&H, CASE DUS**

Defense attorneys are polarizing figures: seen as protecting individuals' rights and the innocent from the power of the state, or viewed as lacking moral scruples while knowingly representing the guilty. This class examines the basis of those conceptions and how they relate to the right to counsel.

**CJUS-P 439 Seminar in Corrections (3 cr.)** P: P290, K300. Seminar on selected topics in corrections, correctional theory, or pertinent current issues.

**CJUS-P 440 Privacy, Law and Security (3 cr.) CASE S&H**

Exploration of the legal underpinnings of the concept of privacy and their role in ensuring individual and civic security.

**CJUS-P 444 Victimization (3 cr.) CASE S&H**

P: P290, K300 or consent of department. The extent and nature of victimization (generally and for specific population subgroups), the effects of crime on victims and the services available to deal with those effects, the experiences of victims in the criminal justice system, the victims' rights movement, and alternative ways of defining and responding to victimization.

**CJUS-P 450 Pleas, Trials, and Sentences (3 cr.) CASE S&H**

P: P290, K300 or consent of department. Examines nature and roles of jury trials and pleas in the disposition of criminal cases, with attention to issues of jury decision making, the role of case pressure in plea bargaining, outcomes for defendants and society, and alternatives to plea-dominated systems. Historical and comparative dimensions are considered.

**CJUS-P 457 Seminar on White-Collar Crime (3 cr.)**

**CASE S&H** The nature and incidence of white-collar crime. In addition to studying the etiological theories relating to white-collar crime, the course will also focus on both the criminal and civil (regulatory) processes used to control corporate, organizational, and elite misconduct.

**CJUS-P 458 Wrongful Conviction (3 cr.) CASE**

**S&H** Investigates the factors associated with wrongful convictions and discusses possible remedies for minimizing such miscarriages of justice. The goal of this course is to systematically describe, explain, analyze and evaluate the factors associated with, and the consequences of, the wrongful prosecution, conviction, and incarceration of the innocent in the American criminal justice system. Includes a review of actual allegations of innocence by inmates currently in our prisons, and case studies of wrongly convicted individuals who have been exonerated.

**CJUS-P 460 Public Control of Deviant Behavior (3 cr.)**

Description and etiology of selected deviant behavior patterns of a criminal or quasi-criminal nature.

**CJUS-P 461 Lethality: Homicide and Self-Destruction (3 cr.) CASE**

**S&H** An interdisciplinary approach to the study of suicide and homicide, drawing on the contributions of criminology, psychology, anthropology, and sociology. Empirical literature relating to theories of homicide and self-destruction.

**CJUS-P 462 Child Abuse and Neglect (3 cr.) CASE**

**S&H** Cultural, societal, and personal components that lead to child abuse. Approaches to treatment and prevention.

**CJUS-P 474 Law, Crime, and Justice in Post-Soviet**

**Russia (3 cr.) CASE S&H** Interdisciplinary course examines how the executive, legislative, and judicial branches of government are being influenced by the forces of transition. Analysis of Russian crime, including corruption, patterns of interpersonal violence, human trafficking, and drug use. Last section focuses on the Russian criminal justice system, including juvenile justice, policing, and prisons.

**CJUS-P 481 Field Experience in Criminal Justice**

**(1-6 cr.) P:** Permission of instructor, including approval of project. Field experience with directed readings and writing. May be repeated for a maximum of 6 credit hours.

**CJUS-P 482 The Family and Formal Control Systems in America (3 cr.) CASE S&H**

**P:** P290, K300 or consent of instructor. Interdisciplinary examination of family factors in the causation, prevention, and correction of norm-violating behavior (juvenile delinquency, intrafamilial violence, etc.). Relationships between American family structures and social control systems.

**CJUS-P 493 Seminar in Criminal Justice (3 cr.)**

Intensive study and analysis of selected problems in criminal justice. Topics will vary. May be repeated for a total of 9 credit hours with different topics.

**CJUS-P 495 Individual Readings (1-6 cr.)**

**P:** Consent of instructor and chairperson. Individual study project under guidance of faculty member or committee. Students and instructor will complete a form agreeing on responsibilities at the beginning of the relevant semester. May be repeated for a maximum of 6 credit hours.

**CJUS-P 496 Research Internship (1-3 cr.) P:**

Consent of instructor and chairperson. Active participation in a research project and related activities under the direction of a faculty member. Students and instructor will complete a form agreeing on responsibilities at the beginning of the relevant semester. May be repeated for a maximum of 6 credit hours.

**CJUS-P 497 Teaching Internship (1-3 cr.) P:**

Minimum overall GPA of 3.300, permission of the instructor, and consent of department chair. Supervised experience in assisting in an undergraduate course. Discussion of good teaching practices. Students will complete a project related to the aims of the course in which they are assisting. Students and instructor will complete a form agreeing on responsibilities at the beginning of the relevant semester. May be repeated for a maximum of 3 credit hours.

**CJUS-P 499 Senior Honors Thesis (3-6 cr.) P:**

Consent of departmental honors advisor. Honors thesis to be written under direction of a faculty member. Oral examination over thesis conducted by three faculty members. May be repeated once for a maximum of 6 credit hours.

**Optional Courses Approved for Major and Certificate****African American and African Diaspora Studies**

- AAAD-A 382 Black Community, Law, and Social Change (3 cr.) **CASE S&H**

**Economics**

- ECON-E 308 Survey of Public Finance (3 cr.) **CASE S&H**

**History**

- HIST-A 325 American Constitutional History (3 cr.) **CASE S&H**

**Philosophy**

- PHIL-P 342 Problems of Ethics (3 cr.) **CASE A&H**
- PHIL-P 345 Problems in Social and Political Philosophy (3 cr.) **CASE A&H**

**Political Science**

- POLS-Y 302 Public Bureaucracy in Modern Society (3 cr.) **CASE S&H**
- POLS-Y 303 Formation of Public Policy in the United States (3 cr.) **CASE S&H**
- POLS-Y 304 Constitutional Law (3 cr.) **CASE S&H**
- POLS-Y 305 Constitutional Rights and Liberties (3 cr.) **CASE S&H**
- POLS-Y 308 Urban Politics (3 cr.) **CASE S&H**
- POLS-Y 311 Democracy and National Security (3 cr.) **CASE S&H**

**Psychological and Brain Sciences**

- PSY-P 319 Psychology of Personality (3 cr.) **CASE S&H**
- PSY-P 320 Social Psychology (3 cr.) **CASE S&H**
- PSY-P 324 Abnormal Psychology (3 cr.) **CASE S&H**
- PSY-P 434 Community Psychology (3 cr.)
- PSY-P 460 The Psychology of Women (3 cr.) **CASE S&H**

### Sociology

- SOC-S 316 The Family (3 cr.) **CASE S&H**
- SOC-S 320 Deviant Behavior and Social Control (3 cr.) **CASE S&H**
- SOC-S 326 Law and Society (3 cr.) **CASE S&H**
- SOC-S 335 Race and Ethnic Relations (3 cr.) **CASE S&H, CASE DUS**

## East Asian Languages and Cultures

### Introduction

The Department of East Asian Languages and Cultures (EALC) is a multidisciplinary and multicultural department that aims to provide students with an enhanced understanding of Chinese, Japanese, and Korean languages and cultures. The department offers a wide range of culture courses, open to nonmajors, that deal with virtually every facet of the cultures of East Asia. Language courses in Chinese, Japanese, and Korean are offered from beginning to advanced levels.

Two majors and two minors are offered. The majors differ in the amount of language required and in the specificity and range of culture courses allowed. There is a language minor in Japanese, Chinese, or Korean, and a minor in East Asian studies that requires no language training.

As part of the baccalaureate training, students are encouraged to study abroad in China, Japan, or Korea on one of IU's overseas study programs. Students who are returning from East Asia or who have any background in an East Asian language prior to enrolling at IU are required to take a placement exam before enrolling in a language course.

The Department of East Asian Languages and Cultures is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies.

### Contact Information

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## Faculty

### Chairperson

- Natsuko Tsujimura

### Professors

- Yea-Fen Chen
- Gregory Kasza
- Jean Robinson (Political Science)
- Michael Robinson

- Richard Rubinger
- Natsuko Tsujimura

### Associate Professors

- Gardner Bovingdon (Central Eurasian Studies)
- Michael Foster (Folklore and Ethnomusicology)
- Sara Friedman (Anthropology, Gender Studies)
- Hyo-Sang Lee
- Scott Kennedy (East Asian Languages and Cultures, Political Science)
- Ethan Michelson (East Asian Languages and Cultures, Sociology)
- Scott O'Bryan (East Asian Languages and Cultures, History)
- Edith Sarra
- Aaron Stalnaker (Religious Studies)
- Marvin Sterling (Anthropology)
- Michiko Suzuki

### Assistant Professors

- Heather Blair (Religious Studies)
- Stephanie DeBoer (Communication and Culture)
- Ling-Yu Hung (Anthropology)
- Michael Ing (Religious Studies)
- Keiko Kuriyama
- Charles Lin
- Manling Luo
- Morten Oxenboell
- Jonathan Schlesinger (History)
- Henghua Su
- Kevin Tsai (Comparative Literature)
- Tie Xiao

### Adjunct Assistant Professor

- Heon Joo Jung

### Senior Lecturer

- Misako Matsubara
- Sue Tuohy (Folklore and Ethnomusicology)

### Lecturer

- Yasuko Akiyama
- Ying Ling Bao
- Julia Luo

### Affiliate Faculty

- Rick Harbaugh (Kelley School of Business)
- Heidi Ross (School of Education)

### Academic Advising

- Will Smith, Goodbody Hall 240, (812) 855-2736

### Area Studies Librarian

- Wen-ling Diana Liu

## Major in East Asian Studies

### Purpose

The major in East Asian Studies includes two years of language training in one of the three East Asian languages (Chinese, Japanese, or Korean), in addition to course work in aspects of East Asian society and culture. It has been designed as a flexible program for students who want basic language training as well as the opportunity to study a variety of topics and approaches to the culture and history of East Asian countries. This major is suitable for students pursuing careers in business, international

relations, cultural exchanges, and other occupations with a focus on East Asia.

### **Required Courses**

A minimum of 30 credit hours in department-approved courses, at least 18 of which must be at or above the 300 level, including:

1. Second-year, second-semester proficiency in Chinese, Japanese, or Korean (i.e., through the 202 level). First-year language courses (i.e., C101-C102, J101-J102, J110, K101-K102) are not credited toward the total number of hours in the major.
2. At least six culture courses (18 credit hours) one of which must be E310. Culture courses at the 100 level are not credited toward hours in the major. Culture courses must include at least two culture areas (China, Japan, Korea), selected from the subject area course list. For a list of culture courses, please see the section of this *Bulletin* entitled "East Asian Culture Courses by Subject Area."

Students must complete the degree requirements of the College of Arts and Sciences. Students should also read Placement/Proficiency Examinations in this departmental section.

## **Major in Language and Culture**

### **Purpose**

The major in language and culture emphasizes language training in one of the East Asian languages (Chinese, Japanese, or Korean). The Chinese, Japanese, and Korean Concentrations each require language study through the third-year level. In addition, there is also a fourth option called the Accelerated Chinese Concentration, which requires advanced Chinese language study beyond the fourth-year level and participation in the Chinese Flagship program. In addition to language study, Language and Culture majors take courses on the society's culture, including in-depth study in one of two subject areas, according to the student's primary interest: "History, Literature and Culture"; or "Politics, Social Science and Business." This major is intended for students who wish to develop a solid foundation of language skills and knowledge in one of the three culture areas or to prepare for graduate studies.

### **Requirements**

A minimum of 30 credit hours in department-approved courses with at least 18 credit hours at the 300–400 level, including:

1. Third year, second-semester proficiency in Chinese, Japanese, or Korean (i.e., through the 302 level). First-year language courses (C101-C102, J101-J102, J110, K101-K102) are not credited toward the total number of hours in the major.
2. At least five culture courses (15 credit hours), one of which must be E310. Culture courses at the 100 level are not credited toward hours in the major. Three culture courses must be at the 300–400 level, selected from the same subject area (either History, Literature and Culture or Politics, Social Science, and Business). Though it does not count toward the subject area requirement, one fourth-year language course may be counted as a required culture course. For courses by subject area, please see the section

of this *Bulletin* titled "East Asian Culture Courses by Subject Area."

For the Accelerated Chinese Concentration, a minimum of 36 credit hours in department-approved courses, at least 18 of which must be at the 300–400 level, including:

1. Fourth-year, second-semester proficiency in Chinese (i.e., through the 402 level) and two semesters of C457 and/or C467. First- second- and third-year language courses (C101-C102, C201-202, and C301-C302) are not credited toward the total number of hours in the major.
2. At least seven culture courses (20 credits), including the following required courses: E310, two 300-level EALC culture courses associated with C457 and/or C467, and another EALC culture course; and participation in the capstone program in China is required. Culture courses at the 100 level are not credited toward hours in the major. Capstone enrollments include three additional culture courses (at least 8 credits). Students pursuing the Accelerated Chinese Concentration need not select a subject area concentration within the culture courses.
3. One semester of ASCS-W 499 (internship during capstone year in China (0 cr.)

Note that the Accelerated Chinese Concentration requires summer and overseas study. Because students are expected to have completed the equivalent of four years of language preparation by the end of their second college year, students with no prior background in Chinese who elect this concentration will be expected to take Chinese language courses during the summers after their freshman and sophomore years. Students with no prior background who enter the program after the freshman year should anticipate similar course work during the summer and a total of more than four years to graduate.

Students must complete the degree requirements of the College of Arts and Sciences. Students should also read Placement/Proficiency Examinations in this departmental section.

## **Double Major**

### **Purpose**

Each of the majors described above may be pursued in combination with a major in another department. Students whose broader interests include preparation for such careers as business, law, or telecommunications, and who desire some background in East Asian cultures, may consider a program leading to the double major degree given by the College of Arts and Sciences.

### **Required Courses**

Course requirements are the same for the double major as for the single major leading to the standard B.A. degree. A double major within the department is not permitted.

## **Minor in East Asian Languages**

### **Required Courses**

Students may minor in Chinese, Japanese, or Korean language. A minimum of 15 credit hours is required for the minor, and must include 9 credit hours at the 300–400 level from a combination of language and culture classes, distributed as follows:

1. A minimum of 14 credit hours must be completed in the chosen language, including completion of the third year of language.
2. The remaining (1–3) credit hours may be earned either by completing an approved culture studies course related to the chosen language, by completing an additional language course, or by meeting the requirements for special credit in the chosen language.
3. At least 6 credit hours must be completed in course work within the Department of East Asian Languages and Cultures (excluding special credit).

**Note:** Students can receive only one minor in the Department of East Asian Languages and Cultures and may not receive both a major and a minor within the department.

## Minor in East Asian Studies

### Required Courses

Students must complete 15 credit hours from department-approved courses, excluding language courses and courses at the 100 level. At least 9 credit hours taken toward the minor must be at the 300–400 level.

## Program for Teacher Certification

A program for secondary teacher certification in Chinese and Japanese is jointly administered by the Department of East Asian Languages and Cultures and the School of Education. For information and advising, candidates should contact the School of Education advising office, Education 1000, by phone (812) 856-8500 or by email [edhelp@indiana.edu](mailto:edhelp@indiana.edu).

## Policy on Continuing in the East Asian Language Program

Students wanting to proceed to the next level of an East Asian language must earn a minimum grade of C in their current course. Any student earning a grade less than C and registering for the next semester of an East Asian language will be required to drop the class.

## Departmental Honors Program

To apply for departmental honors, a student must first complete 15 credit hours in one of the department's majors. As a rule, the student must have and maintain a grade point average of at least 3.500 in the major and 3.300 overall. Ordinarily the student should submit an application to the department office no later than the second semester of the junior year. With the approval of the director of undergraduate studies, the student may then propose a thesis topic to a faculty member, who will direct the thesis project. While working on the thesis, the student must enroll in H399 Reading for Honors and H499 Honors Thesis. Only H499 will count toward the regular credit hour requirements of the major. The thesis advisor and one other faculty reader appointed by the department will grade the thesis. To qualify for honors at graduation, the thesis must receive a grade of A– or higher.

## Prizes

### James and Noriko Gines Scholarship

For an undergraduate demonstrating outstanding achievement both in an East Asian language and also in preprofessional studies (e.g., business, medicine, or law).

### Korean Visiting Scholars' Award

Established by a group of visiting Korean scholars to help promote excellence in the study of Korean language and culture.

### Paul Nutter Memorial Scholarship

For an undergraduate in East Asian languages demonstrating the commitment, persistence, and heart of Paul Nutter.

### Yasuda Prize

For undergraduates who have demonstrated excellence in language and culture studies in Japanese.

### Uehara Prize

For undergraduates who have demonstrated excellence in East Asian Studies.

### Overseas Study

Students are encouraged to study abroad, particularly on Indiana University overseas study programs, where they can continue to make progress toward their degrees and apply financial aid to program fees. For information about study abroad, contact the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 South Jordan Avenue, (812) 855-9304.

### Placement/Proficiency Examinations

Students who have any background in an East Asian language are required to take a placement exam prior to initial enrollment in an EALC language course. Placement exams, as well as proficiency exams to satisfy language requirements, are given prior to classes each semester. Students should consult the departmental website at <http://www.indiana.edu/~ealc> for the scheduled time and place. Within six months, students should take the course they place into. If more than six months pass, students must retake the placement test before registering.

Students who wish to document their language proficiency to satisfy a foreign language requirement must take a proficiency test, which is given on the same schedule as the placement test prior to the start of each semester.

Course work in East Asian languages taken other than at the IU Bloomington campus is subject to review by the department; for language courses, placement or proficiency exams are required for credit toward the major and for class placement.

## Course Descriptions

### Chinese Language and Literature

#### EALC-C 090 Elementary Chinese I: Pre-College (2 cr.)

P: Available only to students accepted into the STARTALK program. Intensive three-week program designed for high school students with no previous study of Chinese. Develops language skills in a naturalistic, real-life context and includes cultural elements.

#### EALC-C 091 Elementary Chinese II: Pre-College (2 cr.)

P: C 090 or equivalent proficiency. Available only to students accepted into the STARTALK program. Intensive three-week program designed for high school students having completed limited study of Chinese to consolidate and extend previous learning into topics related to community and contemporary life. Develops language

skills in a naturalistic, real-life context and includes cultural elements.

**EALC-C 101 Elementary Chinese I (4 cr.)** An introductory course that lays groundwork for the study of modern Chinese. It aims at fostering proficiency in all four language skills (aural understanding, speaking, reading, and writing), and helping students handle simple tasks in daily routines. Basic sentence patterns, vocabulary, and characters are all practiced in meaningful contexts. I Sem.

**EALC-C 102 Elementary Chinese II (4 cr.)** P: Grade of C or higher in C101, or equivalent proficiency. Continuation of C101. II Sem.

**EALC-C 103 Advanced Elementary Chinese I (4 cr.)** P: Consent of instructor. For students with significant speaking and listening abilities, through home exposure or prior overseas experience. Emphasis on developing students' ability to read and write Chinese with commonly used characters, though pronunciation and speaking are also stressed. I Sem.

**EALC-C 104 Advanced Elementary Chinese II (4 cr.)** P: Grade of C or higher in C103, or equivalent proficiency. Continuation of C103. II Sem.

**EALC-C 111 Elementary Business Chinese I (1-3 cr.)** Language practice with focus on business applications. Business-related vocabulary, dialogue, and grammar practice using business world situations and contexts.

**EALC-C 201 Second-Year Chinese I (4 cr.)** P: Grade of C or higher in C202, or equivalent proficiency. Building on the grammar and lexicon from first-year, students will explore the broader cultural context in which language is used, experience more subtle oral and written forms, and learn to use perspectives in addition to the speaker's. I Sem.

**EALC-C 202 Second-Year Chinese II (4 cr.)** P: Grade of C or higher in C201, or equivalent proficiency. Continuation of C201. II Sem.

**EALC-C 301 Third-Year Chinese I (4 cr.)** P: Grade of C or higher in C202, or equivalent proficiency. Emphasis on practice in understanding the difference between oral and written expression, building up discourse-level narration skills, and developing reading strategies for coping with authentic texts. I Sem.

**EALC-C 302 Third-Year Chinese II (4 cr.)** P: Grade of C or higher in C301, or equivalent proficiency. Continuation of C301. II Sem.

**EALC-C 306 Literary Chinese I (3 cr.)** P: C202, or equivalent proficiency. An introduction to *wenyanwen*, the written language of traditional Chinese literary and documentary forms, through the study of selected texts of different genres and periods. Texts may range from ancient writings to modern prose influenced by traditional style. This course does not satisfy the College of Arts and Sciences foreign language requirement.

**EALC-C 307 Literary Chinese II (3 cr.)** A further introduction to *wenyanwen*, the written language of traditional Chinese literary and documentary forms, through the study of selected texts of different genres and periods. Texts may range from ancient writings to modern prose influenced by traditional style. This course does not

satisfy the College of Arts and Sciences foreign language requirement.

**EALC-C 311 Chinese Language Practice: Humanities (1 cr.)** P: Concurrent registration in C301 or C302, or permission of the instructor. For students who want simultaneously to improve their content knowledge and language skills by discussing Chinese literature, arts, music, or other humanities.

**EALC-C 312 Chinese Language Practice: Social Sciences (1 cr.)** P: Concurrent registration in C301 or C302, or permission of the instructor. For students who want simultaneously to improve their content knowledge and language skills by discussing Chinese politics, society, economics, or other social sciences.

**EALC-C 320 Business Chinese (2-3 cr.)** P: Grade of C or higher in C301, or equivalent proficiency. For students who want to acquire skills for business interactions with Chinese-speaking communities. Classroom activities such as mock negotiation in international trade, business letter writing, and oral presentation, help students acquire skills for business interactions with Chinese-speaking communities. When taken as an overseas study course, will be taken for 2 credit hours and may be repeated once for a maximum of 4 credit hours.

**EALC-C 330 Mandarin for Dialect Speakers (3 cr.)** P: Grade of C or higher in C202 or equivalent proficiency. For students who speak other dialects of Chinese and already know how to read and write. Develops students' ability to speak and comprehend standard modern Chinese. Systematically compares and contrasts the sound and syntactic systems of students' dialects with those of Mandarin.

**EALC-C 333 Foreign Study in Chinese, Third Year (2-10 cr.)** P: Acceptance into an Indiana University-approved overseas study program. Credit for foreign study in Chinese language when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 10 credit hours.

**EALC-C 401 Fourth-Year Chinese I (3 cr.)** P: Grade of C or higher in C302, or equivalent proficiency. Emphasis on understanding and appreciating Chinese literary genres and prose. I Sem.

**EALC-C 402 Fourth-Year Chinese II (3 cr.)** P: Grade of C or higher in C401, or equivalent proficiency. Continuation of C401. II Sem.

**EALC-C 408 Chinese Language Practice I (1 cr.)** C: C401 or permission of instructor. For students who want simultaneously to improve their content knowledge and language skills through reading, writing practice, and discussion of various topics in Chinese.

**EALC-C 409 Chinese Language Practice II (1 cr.)** C: C402 or permission of instructor. For students who want simultaneously to improve their content knowledge and language skills through reading, writing practice, and discussion of various topics in Chinese.

**EALC-C 421 Introduction to Chinese Linguistics (3 cr.)** **CASE N&M** P: Grade of C or higher in C202, or consent of instructor. Introduction to the linguistic characteristics of Chinese, including its sound system, word structure, sentence structure, meaning, and use; relation between

the Chinese language, culture, and cognition. Not counted as a language course.

**EALC-C 425 Teaching Chinese Language (3 cr.)**

P: Grade of C or higher in C302 or equivalent proficiency, and permission of the instructor. Taught in seminar-practicum format, the course examines contemporary paradigms of foreign language instruction, identifies critical issues in language pedagogy, and explores various techniques of teaching the four language skills (speaking, listening, reading, writing). Active participation mandatory.

**EALC-C 431 Readings in Modern Chinese Literature (3 cr.) CASE A&H**

P: Grade of C or higher in C402, or consent of instructor. Selected readings in modern Chinese plays, stories, and essays.

**EALC-C 433 Foreign Study in Chinese, Fourth Year (1-10 cr.)**

P: Acceptance into an Indiana University-approved overseas study program. Credit for foreign study in Chinese language when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 10 credit hours.

**EALC-C 450 Chinese Writing and Rhetoric (3 cr.)**

P: Grade of C or higher in C402 or consent of instructor. Practice in reading, writing, and speaking through analysis of modern prose and literary texts. Examination of how Chinese speakers frame discourse, so students may develop their ability to present ideas with precise diction, in appropriate registers, in extended discourse.

**EALC-C 451 Advanced Classical Chinese I (3 cr.)**

P: Grade of C or higher in C307, or consent of instructor. Selected readings of representative Chinese prose and poetry from the traditional period.

**EALC-C 452 Advanced Classical Chinese II (3 cr.)**

P: Grade of C or higher in C451, or consent of instructor. Continuation of C451.

**EALC-C 457 Chinese in Humanities (3 cr.)** P: Grade of B or higher in C402 or equivalent proficiency. Advanced language practice associated with authentic academic texts in humanities disciplines. Emphasis on interpreting, analyzing, and presenting Chinese cultural concepts, artifacts, and events from a global perspective, for an authentic purpose, and within a performance assessment framework. May be offered independently in Chinese, or linked with an English-language content course. May be repeated for a maximum of 6 credit hours.

**EALC-C 467 Chinese in Social Science (3 cr.)**

P: Grade of B or higher in C402 or equivalent proficiency. Advanced language practice associated with authentic academic texts in social science disciplines. Emphasis on interpreting, analyzing, and presenting Chinese cultural concepts, practice, and events from a global perspective, for an authentic purpose, and within a performance assessment framework. May be offered independently in Chinese, or linked with an English-language content course. May be repeated for a maximum of 6 credit hours.

**Japanese Language and Literature**

**EALC-J 101 Elementary Japanese I (4 cr.)** An introductory, skills-oriented course emphasizing learning language in context. Development of listening and speaking in simple interactional situations, and controlled reading and writing skills. I Sem.

**EALC-J 102 Elementary Japanese II (4 cr.)** P: Grade of C or higher in J101, or equivalent proficiency. Continuation of J101. II Sem.

**EALC-J 110 Japanese for Advanced Beginners (3 cr.)**

Designed for students who already have some familiarity with beginner-level Japanese, but who are not proficient enough in the language to meet the prerequisite for J102. The goal of the course is to enable students to improve their speaking, listening, reading, writing, and more generally, communication skills in Japanese. Credit given for only one of J101 or J110.

**EALC-J 201 Second-Year Japanese I (4 cr.)** P: Grade of C or higher in J102, or equivalent proficiency. Continuation of emphasis on communicative skills. Increased attention to reading and writing skills. I Sem.

**EALC-J 202 Second-Year Japanese II (4 cr.)** P: Grade of C or higher in J201, or equivalent proficiency. Continuation of J201. II Sem.

**EALC-J 301 Third-Year Japanese I (4 cr.)** P: Grade of C or higher in J202, or equivalent proficiency. Primary emphasis on reading skills. Conversation stressed in drill sections. I Sem.

**EALC-J 302 Third Year-Japanese II (4 cr.)** P: Grade of C or higher in J301, or equivalent proficiency. Continuation of J301. II Sem.

**EALC-J 311 Japanese Language Practice: Humanities (1 cr.)** P: Concurrent registration in J301 or J302, or permission of the instructor. For students who want simultaneously to improve their content knowledge and language skills by discussing Japanese literature, arts, music, or other humanities.

**EALC-J 312 Japanese Language Practice: Social Sciences (1 cr.)** P: Concurrent registration in J301 or J302, or permission of the instructor. For students who want simultaneously to improve their content knowledge and language skills by discussing Japanese politics, society, economics, or other social sciences.

**EALC-J 313 Business Japanese (3 cr.)** P: Grade of C or higher in J202 or equivalent proficiency. The main objective of this course is to enable students to acquire the language skills and cultural knowledge necessary for effective communication within Japanese business contexts.

**EALC-J 333 Foreign Study in Japanese, Third Year (2-10 cr.)** P: Acceptance into an Indiana University-approved overseas study program. Credit for foreign study in Japanese language when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 10 credit hours.

**EALC-J 401 Fourth-Year Japanese I (3 cr.)** P: Grade of C or higher in J302, or equivalent proficiency. Emphasis on advanced reading skills. I Sem.

**EALC-J 402 Fourth-Year Japanese II (3 cr.)** P: Grade of C or higher in J401, or equivalent proficiency. Continuation of J401. II Sem.

**EALC-J 421 Introduction to Japanese Linguistics (3 cr.)** CASE N&M R: One year of Japanese, or equivalent proficiency. A descriptive survey of issues in

Japanese linguistics. Topics include syntax, phonology/phonetics, and semantics/pragmatics of Japanese.

#### **EALC-J 425 Teaching Japanese Language (3 cr.)**

P: Grade of C or higher in J302, or equivalent proficiency, and permission of the instructor. Taught in seminar-practicum format, the course examines contemporary paradigms of foreign language instruction, identifies critical issues in language pedagogy, and explores various techniques of teaching the four language skills (speaking, listening, reading, writing). Active participation mandatory.

#### **EALC-J 431 Readings in Modern Japanese Literature (3 cr.) CASE A&H**

P: Grade of C or higher in J402, or equivalent proficiency. Selected reading in modern Japanese plays, novels, and essays.

#### **EALC-J 433 Foreign Study in Japanese, Fourth Year (1-10 cr.)**

P: Acceptance into an Indiana University-approved overseas study program. Credit for foreign study in Japanese language when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 10 credit hours.

#### **EALC-J 441 Readings in Japanese Scholarly Materials (3 cr.) CASE S&H**

P: Grade of C or higher in J402, or equivalent proficiency. Social, political, historical, and other types of writings in modern Japanese prose, excluding *belles lettres*.

#### **EALC-J 451 Readings in Japanese Newspapers and Journals (3 cr.)**

P: Grade of C or higher in J402, or equivalent proficiency. Exploration of the salient features of the academic and journalistic writing style of modern expository Japanese used by prominent thinkers, well-known journalists, and critical essayists of Japan today.

**EALC-J 461 Literary Japanese I (3 cr.)** P: Grade of C or higher in J302, or equivalent proficiency. A basic outline of the varieties of written Japanese known collectively as *bungotai* or "literary Japanese." Initial emphasis is on reading and close rhetorical and grammatical analysis of genres from the tenth through fifteenth centuries, with later attention to other periods and texts.

**EALC-J 462 Literary Japanese II (3 cr.)** A basic outline of the varieties of written Japanese known collectively as *bungotai* or "literary Japanese." Initial emphasis is on reading and close rhetorical and grammatical analysis of genres from the tenth through fifteenth centuries, with later attention to other periods and texts.

#### **EALC-J 491 Humanities Topics in Japanese (3 cr.) CASE A&H, CASE GCC**

P: Permission of instructor. For advanced Japanese language students. Emphasis on a topic, genre, or author in Japanese literature or humanities. Content selected to enhance specific language skills (reading, writing, speaking, or listening). May be repeated with different topics for a maximum of 6 credit hours.

#### **EALC-J 492 Historical and Cultural Topics in Japanese (3 cr.) CASE S&H, CASE GCC**

P: Permission of instructor. For advanced Japanese language students. Emphasis on a topic in Japanese history or culture. Content selected to enhance specific language skills (reading, writing, speaking, or listening). May be repeated with different topics for a maximum of 6 credit hours.

### **Korean Language and Literature**

**EALC-K 101 Elementary Korean I (4 cr.)** This course provides students with basic conversational and grammatical patterns, assuming that the students have no or little previous background knowledge of Korean. The objective of the course is to equip students with communicative skills in speaking, listening, reading, and writing at a basic level. I Sem.

**EALC-K 102 Elementary Korean II (4 cr.)** P: Grade of C or higher in K101, or equivalent proficiency. Continuation of K101. II Sem.

**EALC-K 201 Second-Year Korean I (4 cr.)** P: Grade of C or higher in K102, or equivalent proficiency. Both spoken and written aspects stressed. I Sem.

**EALC-K 202 Second-Year Korean II (4 cr.)** P: Grade of C or higher in K201, or equivalent proficiency. Continuation of K201. II Sem.

**EALC-K 301 Third-Year Korean I (3 cr.)** P: Grade of C or higher in K202, or equivalent proficiency. Primarily designed to develop and enhance students' reading ability through a variety of written materials; considerable emphasis on writing and conversational skills. Some 200 Chinese characters that are frequently used in Korean newspapers may be taught.

**EALC-K 302 Third-Year Korean II (3 cr.)** P: Grade of C or higher in K301, or equivalent proficiency. Designed primarily to develop and enhance students' reading ability through a variety of written materials; considerable emphasis on writing and conversational skills. An additional 200 Chinese characters that are frequently used in Korean journals may be taught.

**EALC-K 401 Fourth-Year Korean I (3 cr.)** P: Grade of C or higher in EALC-K 302, or equivalent proficiency. Emphasis on advanced reading skills, featuring authentic writings such as newspaper editorials, essays, movie scenarios, and TV news.

**EALC-K 402 Fourth-Year Korean II (3 cr.)** P: Grade of C or higher in EALC-K 401, or equivalent proficiency. Continuation of K401, completing the fourth year of Korean language study.

### **East Asian Culture**

Many of the culture courses offered by the department require no knowledge of Chinese, Japanese, or Korean. These courses are open to all students of the university regardless of their major and without prerequisites. Some of these courses satisfy the Breadth of Inquiry and Culture Studies requirements.

**EALC-E 100 East Asia: An Introduction (3 cr.) CASE A&H, CASE GCC** Basic introduction to China, Japan, and Korea. Intended to help students understand the unique character of each of these three cultures within the general framework of East Asian civilization, comprehend the historical importance of the three countries, and appreciate the crucial role they play in the world today.

**EALC-E 110 Popular Culture in East Asia (3 cr.) CASE A&H, CASE GCC** Surveys East Asian popular culture by examining the evolution and contemporary forms of mass culture in the region. Students will study the structure and

political, social, and cultural implications of transnational cultural flows between East Asia and the West.

**EALC-E 120 Japanese Business and Public Policy (3 cr.) CASE S&H, CASE GCC** Examines modern Japan's economic performance including treatment of economic history, business organization, techniques of factory management, the employment system, trade unions, the role of women, and state policy toward industry and welfare. Also briefly examines U.S.–Japan trade conflicts.

**EALC-E 160 The Daoist Body (3 cr.) CASE A&H, CASE GCC** Daoism, also spelled "Taoism," is commonly known as the "religion of immortality." But of course, Daoists did die. Through Daoist scriptures, images, stories, and meditations, we will explore in this course what the attainment of immortality meant in flesh and blood terms to early Chinese Daoists.

**EALC-E 180 Cross-Cultural Experiences of War: East Asia and the United States (3 cr.) CASE S&H, CASE GCC** This course examines the impact of twentieth century wars on American–East Asian cultural and political relations. We will consider World War II, the Korean War, and the Vietnam War from the viewpoint of ordinary people, soldiers, and civilians, while exploring how their experiences shape mutual perceptions of culture, values, and race.

**EALC-E 201 Issues in East Asian Literature (3 cr.) CASE A&H, CASE GCC** Survey and analysis of selected issues in East Asian literature and arts. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 202 Issues in East Asian Traditions and Ideas (3 cr.) CASE A&H, CASE GCC** Survey and analysis of selected issues in thought and religion of general import. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 203 Issues in East Asian Cultural History (3 cr.) CASE S&H, CASE GCC** Survey and analysis of selected issues pertinent to changes in the human condition over time in East Asia. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 204 Issues in East Asian Society (3 cr.) CASE S&H, CASE GCC** Survey and analysis of selected issues in East Asian political, economic, and cultural institutions of society. Topics vary, but are generally on broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 231 Japan: The Living Tradition (3 cr.) CASE A&H, CASE GCC** An introduction into the patterns of Japanese culture: society, history, visual arts, literary masterpieces, performing arts, and living religious traditions.

**EALC-E 232 China Past and Present: Culture in Continuing Evolution (3 cr.) CASE A&H, CASE GCC** Chinese culture and its modern transformations.

Intellectual, artistic, and literary legacies of the Chinese people.

**EALC-E 233 Survey of Korean Civilization (3 cr.) CASE A&H, CASE GCC** An introduction to the major cultural, social, and political features of Korean society from its prehistorical past to contemporary times. Focuses on how Koreans blended Chinese civilization and, in the twentieth century, institutions from the West and Japan, with indigenous traditions to produce a unique civilization.

**EALC-E 251 Traditional East Asian Civilizations (3 cr.) CASE S&H, CASE GCC** A chronological and comparative survey of the traditional civilizations of East Asia through lectures and readings of source materials (in translation) in literature, history, philosophy, and the arts, with emphasis on the interrelationship among the cultures of East Asia from ancient times to the early modern era. Credit given for only one of EALC-E 251 or HIST-H 237.

**EALC-E 252 Modern East Asian Civilization (3 cr.) CASE S&H, CASE GCC** Contrasting patterns of indigenous change and response to Western imperialism in East Asia during the nineteenth and twentieth centuries. China and Japan receive primary consideration; Korea and Vietnam, secondary. Emphasis on the rise of nationalism and other movements directed toward revolutionary change. Credit given for only one of EALC-E 252 or HIST-H 207.

**EALC-E 270 Japanese Language and Society (3 cr.) CASE A&H, CASE GCC** A survey of Japanese cultural patterns and the structure of Japanese society as reflected in the Japanese language. Comparisons with aspects of American culture and language will be included. Knowledge of Japanese language is not required.

**EALC-E 271 Modern and Contemporary Japanese Culture (3 cr.) CASE A&H, CASE GCC** Examination of a range of Japanese culture expressions of the twentieth and twenty-first centuries, such as literature, theater, film, popular culture, and their historical contexts.

**EALC-E 300 Studies in East Asian Literature (3 cr.) CASE A&H, CASE GCC** Selected issues and problems of importance to the understanding of East Asian literature, film or linguistics. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 301 Chinese Language and Culture (3 cr.) CASE A&H, CASE GCC** The relationship of Chinese language to its culture and society. Four topics emphasized: (1) unique characteristics of Chinese; (2) influence of language structure on thought patterns and social behavior; (3) traditional conception of life as it affects verbal behavior; and (4) interaction between linguistic and other factors in social life.

**EALC-E 302 Geographic Patterns in China (3 cr.) CASE S&H, CASE GCC** P: Junior status or one of the following: E100, E251, E256, or GEOG-G 110. Analysis of national and regional patterns in agricultural modernization and collectivization, cities and urbanization, industrialization, social programs, environmental conservation. Focus on emergence of contemporary patterns from traditional society.

**EALC-E 303 Korean Folk and Elite Cultures (3 cr.) CASE A&H, CASE GCC** Introduction to Korean culture and society from earliest times to the present, including

oral and written literature, religion, social customs, and performing arts.

**EALC-E 305 Korean Language and Culture (3 cr.) CASE S&H, CASE GCC** A survey of cultural, conceptual, and philosophical patterns, and the structure of Korean society, as reflected by the Korean language.

**EALC-E 310 Introduction to East Asian Studies (3 cr.) CASE GCC** A broad survey of Chinese, Japanese, and Korean civilizations that examines the idea of East Asia as a region with unifying social, cultural, and political characteristics, and its different societies, introducing analytic frameworks that have guided recent understandings of East Asia as a region and of individual East Asian societies. Credit given for only one of E310 or E200.

**EALC-E 316 Computer-Enhanced Language Learning (3 cr.)** P: Basic computer literacy required. An exploration of the use of computer technology in foreign language learning, to equip students with concepts and tools to improve language studies, and an examination of research and findings on the effectiveness of technology in language skill development. Basic computer literacy required.

**EALC-E 321 Traditional Japanese Literature (3 cr.) CASE A&H, CASE GCC** Introduction to major works of Japanese literature from the tenth century to the early modern period (roughly 900-1600). Focuses on issues of gender, narration, and the connections between literature and the political, cultural, and religious discourses that were part of the texts' originating contexts. Readings in English.

**EALC-E 322 Modern Japanese Literature (3 cr.) CASE A&H, CASE GCC** Introduction to the major works of modern Japanese literature in English translation from the 1890s to the present. Examines issues central to this literature since Japan's opening to the West, such as self-national identity, sexuality, war, and modernity.

**EALC-E 330 Studies in Japanese Film (3 cr.) CASE A&H, CASE GCC** Study of topics in Japanese film in the context of its history and culture. May include such topics as Introduction to Japanese Film and Gender and Sexuality in Japanese Film. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 331 Traditional Chinese Literature (3 cr.) CASE A&H, CASE GCC** Introduction to Chinese historical and religious writing, narrative prose, and lyrical poetry from roughly 1300 BCE to 1300 CE. Studying English translations, students consider the roles of literature in Chinese history, and the way the written word served to construct Chinese culture.

**EALC-E 332 Chinese Literature since 1300 (3 cr.) CASE A&H, CASE GCC** Introduction to major authors, works, and genres from the Yuan Dynasty to modern times. Studying English translations, students examine how literature is related to important political, ideological, and cultural concerns in the process of Chinese modernity, and explore issues of nationalism, revolution, and commercialism in modern literature and post-Mao writing.

**EALC-E 333 Studies in Chinese Cinema (3 cr.) CASE A&H, CASE GCC** Critical and historical perspectives

on Chinese cinema from 1900 to the present, including cinema from Taiwan, Hong Kong, and beyond. Course topics include the silent era, melodrama, musicals, minority films, adaptation, filmmakers and generations, and urban cinema.

**EALC-E 336 Ghosts, Immortals, Animal Spirits: Encountering the Supernatural in Traditional Chinese Culture (3 cr.) CASE A&H, CASE GCC** Textual and visual representations of the supernatural in traditional Chinese culture spanning three millennia, from the earliest written records to the fiction of late imperial China. Offers a unique perspective into the ethics, literature, arts, and popular beliefs of traditional China. No prior knowledge of Chinese language is required.

**EALC-E 337 Premodern Japanese History (3 cr.) CASE S&H, CASE GCC** Survey of premodern Japanese history (until c. 1600). Critical historical analysis of selected issues within the period and readings of central works in English translations. Credit given for only one of EALC-E337 or HIST-G357.

**EALC-E 342 Modern Korean History (3 cr.) CASE S&H, CASE GCC** Modern Korean history 1876-2010. Major themes: Korea's inclusion in world system, intrusion of capitalism and transformation from agrarian to industrialized/consumer society. Course will explore modern systems (colonialism/neocolonialism, capitalism, social revolution/socialist economic experiments, Cold War, and globalization through study of Korean history. Credit given for only one of EALC-E342 or HIST-G372.

**EALC-E 350 Studies in East Asian Society (3 cr.) CASE S&H, CASE GCC** Selected issues and problems of importance to the understanding of East Asian society. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 351 Studies in East Asian Thought (3 cr.) CASE A&H, CASE GCC** Selected issues and problems of importance to the understanding of East Asian thought and religion. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 352 Studies in East Asian History (3 cr.) CASE S&H, CASE GCC** Selected issues and problems of importance to the understanding of East Asian history. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 354 Society and Education in Japan (3 cr.) CASE S&H, CASE GCC** Survey of social change in Japan, with a focus on educational institutions, patterns of learning, educational thought, and the spread of literacy.

**EALC-E 356 Understanding Two Koreas: Politics, Society, and U. S. Policy (3 cr.) CASE S&H, CASE GCC** Exploration of the patterns and complexities of the relationship between two Koreas and the U.S., with a focus on the division of Korea, domestic politics of two Koreas, the changes and continuities of U. S. policies toward the Korean Peninsula, and post-Cold War developments including the North Korean nuclear crisis.

**EALC-E 358 Early Modern Japanese History (3 cr.) CASE S&H, CASE GCC** Japanese history from the late sixteenth to late nineteenth centuries. Focuses on domestic politics, foreign policy, culture and the arts, literacy and education, urbanization, rise of the merchant

class, and changes in rural life. Credit given for only one of E358 or HIST-G 358.

**EALC-E 369 Modern Japanese History (3 cr.) CASE S&H, CASE GCC** Japanese history within the broader developments of modern world history: the Tokugawa regime; the Meiji Revolution; modern nation-state building; empire; capitalism; social movements; democracy; Japan's modern wars; U.S.–Japan relations and related cultural, political, and economic changes. Emphasizes post-World War II era, visual culture, Japan in global popular culture, and environmental history. Credit given for only one of E369 or HIST-G 369.

**EALC-E 371 Twentieth-Century Chinese Literature (3 cr.) CASE A&H, CASE GCC** Twentieth-century Chinese literature in translation, with readings from Liu E, Mao Dun, Lao She, and selected contemporary authors from China and Taiwan.

**EALC-E 372 Japanese Fiction and Culture (3 cr.) CASE A&H, CASE GCC** Exploration of modern Japanese fiction and various forms of culture. Topics will vary depending on the year the course is offered. Some examples are: literature and film; modernity and the self; women writers; history of popular literature and culture. May be repeated with a different topic for a maximum of 6 credit hours.

**EALC-E 374 Early Chinese Philosophy (3 cr.) CASE A&H, CASE GCC** Origins of Chinese philosophical traditions in the classical schools of Confucianism, Daoism, Mohism, and Legalism. Explores contrasting agendas of early Chinese and Western traditions. Credit given for only one of E374, PHIL P374, REL B374, or REL R368.

**EALC-E 384 East Asian Nationalism and Cultural Identity (3 cr.) CASE S&H, CASE GCC** Exploration of the impact of the metaphor of nation and Western nationalism theory on Western literature dealing with modern East Asia. Emphasis on how Western notions of political identity shape and sometimes obscure our understanding of East Asian cultural and political identity.

**EALC-E 385 Asian Americans: Cultural Conflict and Identity (3 cr.) CASE S&H, CASE DUS** An examination of the historical, cultural, and racial dynamics underpinning the evolution of contemporary Asian American identity. Students learn not only about cultural theory and how cultural identities are constructed within America's multiethnic and multicultural society, but also about themselves.

**EALC-E 386 United States–East Asian Relations (3 cr.) CASE S&H** We will examine the love-hate relationship between East Asia and the U.S. since 1945. Security, economic, and political ties between the U.S. and the individual East Asian countries, and with the region as a whole are considered. Particular attention is given to the diverse Asian perspectives of the relationships.

**EALC-E 390 Contemporary Chinese Politics (3 cr.) CASE S&H, CASE GCC** Analysis of trends and patterns in Chinese politics since 1949, with a focus on ideology and political culture, elites, party and government institutions, the policy-making process, popular political participation, and the relationship between economic and political change. Political evolution of Taiwan is also considered.

**EALC-E 392 Chinese Foreign Policy (3 cr.) CASE S&H, CASE GCC** Consideration of the various factors (such as world views, power, domestic politics, and international norms) that may shape China's policies toward different regions of the world (the U.S. and East Asia) and toward international regimes (trade, arms controls, and human rights). Both historical and comparative perspectives are utilized.

**EALC-E 393 China's Political Economy (3 cr.) CASE S&H, CASE GCC** Examines key aspects of China's political economy: the obstacles and sources of economic development, the foundations for democratization, the distribution of political power, and the forces affecting national unity. Use of comparative and historical perspectives, with emphasis on the Reform era. Sources range from macro analyses to company case studies.

**EALC-E 395 Japan in World Trade and Politics (3 cr.) CASE S&H, CASE GCC** Examines Japan's foreign relations. After a brief historical survey, the course covers Japan's contemporary relations with the United States, China, Korea, Russia, and Southeast Asia. Topics include economic as well as military and political relations, which have undergone much change in recent years.

**EALC-E 473 History of Japanese Theatre and Drama (3 cr.) CASE A&H, CASE GCC** The social environment, textual content, stage conventions, artistic theories, and associated arts of traditional Japanese theatre and drama, viewed within the context of their historical development c. 1370–1870 and in the present day. Emphasis on Noh, bunraku, and kabuki; some attention to such performing arts as kyōgen and kōwaka.

#### Special Courses

**EALC-C 496 Flagship Overseas Study in China (1-12 cr.)** P: At least junior standing and satisfactory completion of C457 and C467. Advanced language and culture study in an approved Language Flagship program in China. Arrangements for credit made in advance in consultation with the Chinese Flagship director and the director of undergraduate studies.

**EALC-C 498 Flagship Overseas Internship in China (3-12 cr.)** P: At least junior standing, satisfactory completion of C457 and C467, and project approval by the Chinese Flagship director and the director of undergraduate studies. Selected career-related work in a cooperating institution or business. Evaluation by faculty supervisor and employer. May be repeated for a maximum of 12 credit hours.

**EALC-E 495 Individual Readings (1-3 cr.)** Repeatable with permission of undergraduate advisor.

**EALC-E 496 Foreign Study (East Asian Exchange Programs) (1-3 cr.)** P: Acceptance into an East Asian student exchange program. Report due at the end of each semester. Arrangements for credit made in advance in consultation with the East Asian Student Exchange Committee.

**EALC-E 497 Overseas Study Tour (3 cr.) CASE A&H, CASE GCC** P: Permission of instructor. For students who want to learn firsthand about the customs, culture, and language of an East Asian country in a course which includes a structured tour setting. Students will meet and

study throughout the semester, both before and after the tour, which is a mandatory part of the class.

**EALC-E 498 Internship in East Asian Languages and Cultures (1-3 cr.)** P: At least junior standing, 15 credits of department course work, and project approved by faculty supervisor. Selected career-related work in a cooperating institution or business. Evaluation by faculty supervisor and employer. Does not count toward major. May be repeated for a maximum of 6 credit hours.

**EALC-H 399 Reading for Honors (2-6 cr.)** P: Approval of departmental honors advisor. Honors course. Readings for the superior students in preparation for work on a research project (H499). Number of credits and texts must be approved by instructor. May be repeated for a maximum of 15 credit hours. I Sem., II Sem.

**EALC-H 499 Honors Thesis (3 cr.)** P: H399 and approval of the appropriate honors advisor of the department. Ordinarily taken under the supervision of the tutor who guided the student in H399. A specialized research project.

## East Asian Culture Courses by Subject Area

### History, Literature, and Culture

- EALC-C 306 Literary Chinese I (3 cr.)
- EALC-C 307 Literary Chinese II (3 cr.)
- EALC-C 421 Introduction to Chinese Linguistics (3 cr.) **CASE N&M**
- EALC-C 431 Readings in Modern Chinese Literature (3 cr.) **CASE A&H**
- EALC-C 451 Advanced Classical Chinese I (3 cr.)
- EALC-C 452 Advanced Classical Chinese II (3 cr.)
- EALC-E 300 Studies in East Asian Literature (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 301 Chinese Language and Culture (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 303 Korean Folk and Elite Cultures (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 305 Korean Language and Culture (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 321 Traditional Japanese Literature (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 322 Modern Japanese Literature (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 331 Traditional Chinese Literature (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 332 Chinese Literature since 1300 (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 333 Studies in Chinese Cinema (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 336 Ghosts, Immortals, Animal Spirits: Encountering the Supernatural in Traditional Chinese Culture (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 351 Studies in East Asian Thought (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 352 Studies in East Asian History (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 371 Twentieth-Century Chinese Literature (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 372 Japanese Fiction and Culture (3 cr.) **CASE A&H, CASE GCC**

- EALC-E 374 Early Chinese Philosophy (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 384 East Asian Nationalism and Cultural Identity (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 385 Asian Americans: Cultural Conflict and Identity (3 cr.) **CASE S&H, CASE DUS**
- EALC-E 473 History of Japanese Theatre and Drama (3 cr.) **CASE A&H, CASE GCC**
- EALC-J 421 Introduction to Japanese Linguistics (3 cr.) **CASE N&M**
- EALC-J 431 Readings in Modern Japanese Literature (3 cr.) **CASE A&H**
- EALC-J 461 Literary Japanese I (3 cr.)
- EALC-J 462 Literary Japanese II (3 cr.)
- EALC-J 491 Humanities Topics in Japanese (3 cr.) **CASE A&H, CASE GCC**
- EALC-J 492 Historical and Cultural Topics in Japanese (3 cr.) **CASE S&H, CASE GCC**

### Cross-Listed Courses

- ANTH-E 345 China through Anthropological Eyes (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 347 The Anthropology of Contemporary Japan (3 cr.) **CASE S&H, CASE GCC**
- ANTH-P 399 Undergraduate Seminar (when substantial East Asia content) (3 cr.)
- CEUS-R 395 Politics of Identity in China and Inner Asia (3 cr.)
- CMCL-C 398 National Cinemas (3 cr.) **CASE A&H** (when substantial East Asia content)
- CMLT-C 365 Japanese-Western Literary Relations (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 375 Imagining China, Translating China (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 360 Topics in East Asian Art (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 464 Art and Archaeology of Early China (4 cr.) **CASE S&H, CASE GCC**
- FINA-A 466 Early Chinese Painting (4 cr.) **CASE S&H, CASE GCC**
- FINA-A 467 Later Chinese Painting (4 cr.) **CASE S&H, CASE GCC**
- FOLK-F 305 Asian Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC**
- HIST-G 357 Premodern Japan (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 358 Early Modern Japan (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 369 Modern Japan (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 372 Modern Korea (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 380 Early China (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 382 China: The Age of Glory (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 383 China: The Later Empires (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 385 Modern China (3 cr.) **CASE S&H, CASE GCC**
- HIST G 387 Contemporary China (3 cr.) **CASE S&H, CASE GCC**

- REL-B 300 Studies in South and East Asian Religions (3 cr.) **CASE A&H** (when on East Asian topic)
- REL-B 310 East Asian Buddhism (3 cr.) **CASE A&H, CASE GCC**
- REL-B 360 Religions in Japan (3 cr.) **CASE A&H, CASE GCC**
- REL-B 410 Topics in the Buddhist Tradition (3 cr.) **CASE A&H** (when on East Asian topic)
- REL-B 440 Topics in Taoism and Chinese Religion (3 cr.) **CASE A&H, CASE GCC**
- REL-B 460 Topics in East Asian Religions (3 cr.) **CASE A&H, CASE GCC**
- THTR-T 468 Asian Performance (3 cr.) **CASE A&H, CASE GCC** (when on East Asian topic)

#### **Politics, Social Science, and Business**

- EALC-C 421 Introduction to Chinese Linguistics (3 cr.) **CASE N&M**
- EALC-E 302 Geographic Patterns in China (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 316 Computer-Enhanced Language Learning (3 cr.)
- EALC-E 350 Studies in East Asian Society (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 354 Society and Education in Japan (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 356 Understanding Two Koreas: Politics, Social Science, and U.S. Policy **CASE S&H**
- EALC-E 384 East Asian Nationalism and Cultural Identity (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 385 Asian Americans: Cultural Conflict and Identity (3 cr.) **CASE S&H, CASE DUS**
- EALC-E 386 United States–East Asian Relations (3 cr.) **CASE S&H**
- EALC-E 390 Contemporary Chinese Politics (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 392 Chinese Foreign Policy (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 393 China's Political Economy (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 395 Japan in World Trade and Politics (3 cr.) **CASE S&H, CASE GCC**
- EALC-J 421 Introduction to Japanese Linguistics (3 cr.) **CASE N&M**

#### **Cross-Listed courses**

- ANTH-E 345 China through Anthropological Eyes (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 347 The Anthropology of Contemporary Japan (3 cr.) **CASE S&H, CASE GCC**
- ANTH-P 399 Undergraduate Seminar (when substantial East Asia content) (3 cr.)
- CEUS-R 395 Politics of Identity in China and Inner Asia (3 cr.)
- HIST-G 357 Premodern Japan (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 358 Early Modern Japan (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 369 Modern Japan (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 372 Modern Korea (3 cr.) **CASE S&H, CASE GCC**

- HIST-G 380 Early China (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 382 China: The Age of Glory (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 383 China: The Later Empires (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 385 Modern China (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 387 Contemporary China (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 333 Chinese Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 334 Japanese Politics (3 cr.) **CASE S&H, CASE GCC**

#### **Special Courses Designated to Either Track**

##### **Depending on Subject Matter**

- EALC-E 495 Individual Readings (1-3 cr.)
- EALC-E 498 Internship in East Asian Languages and Cultures (1-3 cr.)
- EALC-H 399 Reading for Honors (2-6; max of 15 cr.)
- EALC-H 499 Honors Thesis (3 cr.)
- SOC-S 346 Topics in Cross-Cultural Sociology (3 cr.) **CASE S&H, CASE GCC** (when substantial East Asia content)

#### **Other Courses That May Count Toward the Majors**

- CMLT-C 257 Asian Literature and Other Arts (3 cr.) **CASE A&H, CASE GCC** (when on East Asian topics)
- CMLT-C 265 Introduction to East Asian Poetry (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 266 Introduction to East Asian Fiction (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 291 Studies in Non-Western Film (3 cr.) **CASE A&H, CASE GCC** (when on East Asian topics)
- EALC-C 401 Fourth-Year Chinese I (3 cr.)
- EALC-C 402 Fourth-Year Chinese II (3 cr.)
- EALC-C 425 Teaching Chinese Language (3 cr.)
- EALC-C 450 Chinese Writing and Rhetoric (3 cr.)
- EALC-J 401-J 402 Fourth-Year Japanese I-II (3 cr.)
- EALC-J 425 Teaching Japanese Language (3 cr.)
- EALC-J 441 Readings in Japanese Scholarly Materials (3 cr.) **CASE S&H**
- EALC-J 451 Readings in Japanese Newspapers and Journals (3 cr.)
- EALC-K 401-K 402 Fourth-Year Korean I-II (3-3 cr.)
- EALC-E 201 Issues in East Asian Literature (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 202 Issues in East Asian Traditions and Ideas (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 203 Issues in East Asian Cultural History (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 204 Issues in East Asian Society (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 231 Japan: The Living Tradition (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 232 China Past and Present: Culture in Continuing Evolution (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 233 Survey of Korean Civilization (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 251 Traditional East Asian Civilizations (3 cr.) **CASE S&H, CASE GCC**

- EALC-E 252 Modern East Asian Civilization (3 cr.) **CASE S&H, CASE GCC**
- EALC-E 270 Japanese Language and Society (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 271 Modern and Contemporary Japanese Culture (3 cr.) **CASE A&H, CASE GCC**
- EALC-E 497 Overseas Study Tour (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 262 Introduction to Japanese Art and Cultures (3 cr.) **CASE S&H, CASE GCC**
- HIST-G 200 Issues in Asian History (3 cr.) **CASE S&H** (when on East Asian topic)
- HIST-H 208 American–East Asian Relations (3 cr.) **CASE S&H, CASE GCC**
- REL-B 202 Issues in South and East Asian Relations (3 cr.) **CASE A&H** (when on East Asian topic)
- REL-B 230 Introduction to Chinese Religion (3 cr.) **CASE A&H, CASE GCC**

## Economics

### Introduction

Economics is the study of how individuals and societies manage their scarce resources— people must decide how much they work, what they buy, how much they save, and how they use their leisure time. Most societies use decentralized markets as the primary means of allocating resources, so economics gives students insight into how markets function in coordinating the activities of many diverse buyers and sellers. Economics also analyzes the trends and forces that affect the economy as a whole, including growth in average income, the portion of the labor force that cannot find work, and the rate at which prices are rising or falling. A major in economics provides excellent preparation for graduate and professional school, including law school, and for rewarding careers in consulting, finance, and other private and public sector employment. The Department of Economics (ECON) offers course work in a variety of topics including microeconomic theory, macroeconomic theory, financial economics, money and banking, public finance, labor economics, international economics, economic development, game theory, and econometrics.

Note: Throughout the listing of major requirements, minor requirements, and course prerequisites, any course may be replaced by the honors equivalent. All Economics and non-Economics courses listed as required for a major or minor (ECON, ECON/MATH, ECON/POLS) must be completed with a minimum grade of C-. Course prerequisites are strictly enforced. Students interested in preparing for graduate study in economics should take M211 or M213, rather than M119, and consult with the department's undergraduate advisor regarding additional recommended mathematics courses.

### Contact Information

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#### Rudy Professor of Economics

- Eric Leeper

#### Wisnewsky Professor of Human Studies

- Joon Park

#### Professors

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- Robert Becker
- Edward Buffie
- Yoosoon Chang
- Gerhard Glomm
- Michael Kaganovich
- Frank Page
- James Walker
- Arlington Williams

#### Associate Professors

- Juan Carlos Escanciano
- Daniela Puzzello
- Todd Walker

#### Assistant Professors

- Mostafa Beskhar
- Filomena Garcia
- Grey Gordon
- Bulent Guler
- Juan Carlos Hatchondo
- Ahmad Lashkaripour
- Volodymyr Lugovskyy
- Amanda Michaud
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- Ruli Xiao

#### Clinical Assistant Professor

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- Paul Graf
- Peter Olson
- James Self

#### Academic Advising

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## Major in Economics

### Purpose

The core of the economics major focuses on providing an understanding of how microeconomic theory, macroeconomic theory, statistics, and mathematical modeling can be used to analyze and guide the decisions

of business firms, consumers, and public-policy makers in a variety of market settings. Elective courses add breadth and depth to students' understanding of the basic tools of economic analysis by focusing on their application within specific subfields.

#### **Required Courses**

1. Mathematics: M118 and either M119 or M211
2. Statistics: E370
3. Introductory economics: E201 and E202
4. Intermediate economic theory: E321 and E322
5. Economics electives: At least five additional economics courses (15 credit hours) at the 300 or 400 level, excluding E496 and Y398. At least four of the elective courses (12 credit hours) must be numbered above E322, and all of these four courses must be taken in residence on the Bloomington campus. A minimum of 18 credit hours of courses in the major must be taken on the Bloomington campus.
6. A total of at least 30 credit hours of economics.

Students must also complete all degree requirements of the College of Arts and Sciences.

### **Interdepartmental Major in Economics and Mathematics**

#### **Required Courses**

The interdepartmental major in economics and mathematics is designed to enable students to model economic questions mathematically, and to analyze and solve those models. Students must meet the following course requirements. Any course may be replaced by the honors equivalent.

1. Economics: E201, E202, E321, E322 and at least three additional economics courses numbered above E322, including at least one at the 400 level. E370, E496, and Y398 cannot be used to meet this requirement.
2. Mathematics: M211-M212 or M213, M301 or M303, M311 and at least two courses, including one at the 400 level, from one of the following mathematics areas: analysis (M312, M413, M414, M415, M420); differential equations (M343, M344, M441, M442); applied mathematics (M371, M447, M448, M451, M471, M472); or probability and statistics (M366\*, M463, M464, M466).
3. Statistics: the sequence Mathematics M360-M366, or Economics E370, or Mathematics M365.

**\*Note:** M366 has a prerequisite of M360; see requirement 3 below. For students who qualify for honors, Mathematics S499 may replace the second course in a mathematical area with approval of the Department of Mathematics.

#### **Special Considerations**

1. No more than 3 credit hours of Honors Thesis (Economics E499 or Mathematics S499) may be counted toward the major.
2. It is recommended that students planning to pursue a Ph.D. in economics consult with the Department of Economics concerning classes in the areas of analysis, econometrics, and statistics.
3. It is recommended that students in actuarial studies take Mathematics M360, M366, M371, M463, M464,

and one course from M466 or Economics E471. It is recommended that these students also consult with the Department of Economics concerning relevant seminar courses. Students should consult the "Actuarial Studies" section of the Department of Mathematics entry in this Bulletin.

4. Students must also complete all degree requirements of the College of Arts and Sciences.

### **Minor in Economics**

#### **Required Courses**

Students must meet the following course requirements for a total of 18 credit hours.

1. Mathematics: M119 or M211
2. Introductory economics: E201 and E202
3. Intermediate economic theory: E321
4. Economics electives: At least two additional economics courses (6 credit hours) at the 300 or 400 level, excluding E496 and Y398. At least one of these elective courses (3 credit hours) must be numbered above E321, excluding E370.
5. A total of at least 15 credit hours of economics, of which at least 9 credit hours must be taken in residence on the Bloomington campus.

### **Interdepartmental Major in Economics and Political Science**

#### **Purpose**

The interdepartmental major in economics and political science explores important issues arising in both the public and private sectors and provides students with the basic theoretical tools necessary to investigate these issues.

**Note:** Any economics course may be replaced by the honors equivalent.

#### **Requirements**

Students must meet the following course requirements for a total of 42 credit hours in Political Science and Economics.

1. Mathematics requirements: Finite Mathematics M118 and either Calculus M119 or M211 (These courses do not count toward the 42 credit hours required for the major.)
2. At least 18 credit hours in economics to include the following: E201, E202, and E321; at least three additional economics courses (9 credit hours) at the 300 or 400 level, excluding E370, E496 and Y398. At least two of these three courses (6 credit hours) must be numbered above E321.
3. At least 18 credit hours in political science to include the following: one course chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405; another 15 credit hours in political science chosen from Y200, Y202, Y204, Y205, Y210, Y301-Y308, Y326, Y343, Y346, Y349, Y350, Y376, Y394, Y401, Y405, Y481, Y490, or Y499. (Y200 or Y401 may be repeated once for credit, for a maximum of 9 credit hours possible for these two courses. No other courses may be repeated for credit.)
4. Statistics requirement: ECON E370 or POLS Y395.

## Special Considerations

1. Students meeting requirements 1–4 above with a total of 39 credit hours will be allowed to use 3 credit hours toward the major from preapproved sections of COLL C104 (Critical Approaches) courses. A list of preapproved sections of COLL C104 (Critical Approaches) is available each semester in the Departments of Economics and Political Science.
2. No more than 6 credit hours of honors thesis credit (3 credit hours from Economics E499, and 3 credit hours from Political Science Y499) may be counted toward the major.
3. A maximum of 3 credit hours of Political Science Y484 (for teaching interns only) may be counted toward the major.
4. Students must also complete the degree requirements in the College of Arts and Sciences.

## Interdepartmental Minor in Economics and Political Science

### Purpose

The interdepartmental minor in political science and economics introduces students to important issues in both the public and private sectors.

### Requirements

Students must meet the following course requirements for a total of 18 credit hours.

1. Economics E201, E202, and one additional economics course at the 300 or 400 level (9 credit hours), excluding E370, E496, and Y398.
2. One course (3 credit hours) chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405
3. Another 6 credit hours in political science in courses not used in number 2 above chosen from Y200, Y202, Y204, Y205, Y210, Y301–Y308, Y326, Y343, Y346, Y349, Y350, Y376, Y394, Y401, Y405, Y481, Y490, or Y499. (Y200 or Y401 may be repeated for credit for a maximum of 9 credit hours total of those two courses. No other courses may be repeated for credit.)
4. A minimum of 9 credit hours of course work must be completed at the 300–400 level.
5. At least 9 credit hours must be completed on the Bloomington campus.

**Note:** This minor is not available to students choosing a major in economics or political science. The interdepartmental minor in Political Science and Economics is also not available to students choosing a minor in political science or a minor in economics.

## Honors Program in Economics

Requirements for a B.A. with honors in economics are:

1. Economics GPA of 3.500 or higher and a cumulative GPA of 3.300 or higher upon graduation.
2. At least 6 credits in economics courses numbered E390 through E490.
3. Completion of 3 credits of E499 Honors Thesis with a grade of B or higher. Honors thesis research topics must be approved by an economics faculty mentor and the director of undergraduate studies. The thesis

topic should be approved prior to the beginning of the semester in which E499 enrollment occurs. Contact the undergraduate advisor in economics for an E499 enrollment-request form.

## Course Descriptions

### ECON-E 201 Introduction to Microeconomics (3 cr.)

**CASE S&H** Scarcity, opportunity cost, competitive and non-competitive market pricing, and interdependence as an analytical core. Individual sections apply this core to a variety of current economic policy problems, such as poverty, pollution, excise taxes, rent controls, and farm subsidies. I Sem., II Sem., SS.

### ECON-S 201 Introduction to Microeconomics: Honors (3 cr.)

**CASE S&H** Honors course. Designed for students of superior ability. Covers same core materials as E201 and substitutes for E201 as a prerequisite for other courses. I Sem.

### ECON-E 202 Introduction to Macroeconomics (3 cr.)

**CASE S&H** P: E201. Measuring and explaining aggregate economic performance, money, monetary policy, and fiscal policy as an analytical core. Individual sections apply this core to a variety of current economic policy problems, such as inflation, unemployment, and economic growth. I Sem., II Sem., SS.

### ECON-S 202 Introduction to Macroeconomics: Honors (3 cr.)

**CASE S&H** P: S201 or E201. Honors course. Designed for students of superior ability. Covers same core material as E202 and substitutes for E202 as a prerequisite for other courses. II Sem.

### ECON-E 203 Introduction to International Economics (3 cr.)

P: ECON-E 201. Basic understanding of global economy with an emphasis on fundamentals of international trade: why and how nations trade; the cost and benefits of free trade; the basis for and implications of trade restrictions; international migration and capital flows; international economic institutions and agreements; foreign exchange. Cannot be counted toward a major, interdepartmental major, or minor in economics.

### ECON-E 221 Models and Methods of Economic Analysis (3 cr.)

P: E201 and MATH-M119 or MATH-M 211. Preparation in fundamental mathematical tools and analytical methods utilized in the economic decision-making models developed in E321. Designed as an optional transitional class for students who did not complete E321 prerequisites at I.U. or for students who want additional preparation for E321.

### ECON-E 298 Careers in Economics (1 cr.)

P: Major in economics. R: Sophomore or junior standing. How to use campus career development resources, write a resume and cover letter, and develop interviewing and networking skills for the job market. Options to prepare for professional or graduate education. Invited speakers provide perspectives from a variety of fields. Helps match student skills and interests to the requirements of a chosen career.

### ECON-E 303 Survey of International Economics (3 cr.)

**CASE S&H** P: E201 and E202. Basis for and effects of international trade, commercial policy and effects of trade restrictions, balance of payments and exchange rate adjustment, international monetary systems, and fixed

versus flexible exchange rates. Not recommended for economics majors. Only 6 credit hours from E303, E331, and E332 may be counted toward a major in economics.

**ECON-E 305 Money and Banking (3 cr.) CASE S&H**

P: E201 and E202. Monetary and banking system of the U.S. The supply and control of money. The impact of money on the U.S. economy. Topics in the application of Federal Reserve monetary policy. Analytical treatment of the Federal Reserve system and the commercial banking industry.

**ECON-E 308 Survey of Public Finance (3 cr.) CASE**

**S&H** P: E201 and E202. Major elements of taxation and public expenditures. Not recommended for economics majors. Only 6 credit hours from E308, E361, and E362 may be counted toward a major in economics.

**ECON-E 309 Topics in Economics (3 cr.) CASE S&H**

P: E201 and E202. Study of a topic area in economics. Topics will vary. Intended primarily for non-majors wanting exposure to economics beyond the introductory level. May be repeated with different topics for a maximum of 9 credit hours. May be repeated with different topics for a maximum of 9 credit hours. Only 3 credit hours may count toward the major or minor in economics.

**ECON-E 321 Intermediate Microeconomic Theory**

**(3 cr.) CASE S&H** P: E201 and MATH-M 119 or M211. The economics of consumer choice. The economics of production, cost minimization, and profit maximization for business firms in the short run and long run under various market structures. Competition and adjustment to market equilibrium. Introduction to game theory, strategic interaction, and noncooperative equilibria. Credit given for only one of E321 or S321.

**ECON-S 321 Intermediate Microeconomic Theory:**

**Honors (3 cr.) CASE S&H** P: E201 and MATH M119 or M211. Honors course. Designed for students of superior ability. Covers same core material as E321 and substitutes for E321 as a prerequisite for other courses. Credit given for only one of E321 or S321.

**ECON-E 322 Intermediate Microeconomic Theory**

**(3 cr.) CASE S&H** P: E202 and E321. National income accounting; theory of income, employment, and price level. Countercyclical and other public policy measures.

**ECON-S 322 Intermediate Macroeconomic Theory:**

**Honors (3 cr.) CASE S&H** P: E202 and E321. Honors course. Designed for students of superior ability. Covers same core material as E322 and substitutes for E322 as a prerequisite for other courses. Credit given for only one of S322 or E322.

**ECON-E 327 Game Theory (3 cr.) CASE S&H**

P: E321. Mathematical analysis of strategic interaction. Noncooperative games played once or repeatedly, with perfect or imperfect information. Necessary condition for a solution (equilibrium) as well as sufficient conditions (refinements). Cooperative games, such as bargaining and market games. Numerous applications, including experimental games.

**ECON-E 331 International Trade (3 cr.)** P: E321.

Theories of trade pattern, positive and normative aspects of trade and trade-related policies in competitive and non-competitive markets; effects of trade liberalization and economic integration; trade policies by developed

and developing nations; international factor movements. Only 6 credit hours from E303, E331, and E332 may be counted toward a major in economics.

**ECON-E 332 International Monetary Economics**

**(3 cr.)** P: E322. Theory of exchange rate and balance of payments adjustment, macroeconomic policy in open economies, history and comparison of international monetary systems, and proposals for reform. Credit given for only one of E332 and E433. Only 6 credit hours from E303, E331, and E332 may be counted toward a major in economics.

**ECON-E 337 Economic Development (3 cr.)** P: E321.

Characteristics of economically underdeveloped countries. Obstacles to sustained growth; planning and other policies for stimulating growth; examination of development problems and experience in particular countries.

**ECON-E 341 Economics of Labor Market (3 cr.)**

P: E321. R: E370. Analysis of the functioning of labor markets with theoretical, empirical, and policy applications in determination of employment and wages in the U.S. economy.

**ECON-E 344 Health Economics (3 cr.)** P: E321. R:

E370 or equivalent is strongly recommended. Systematic introduction to health economics and economics of health care, emphasis on basic economic concepts such as supply and demand, production of health, information economics, choice under uncertainty, health insurance markets, Medicare and Medicaid, managed care, government intervention and regulation. Survey course with some topics in some depth.

**ECON-E 351 Law and Economics (3 cr.)** P: E321.

Devoted to economic analysis of law, focusing on the economic efficiency of common law. Main components of the course are property law, contracts, and torts; some aspects of criminal law are also covered. Discussion is based mostly on examples, both invented and taken from actual cases.

**ECON-E 361 Public Finance: Government Spending**

**(3 cr.)** P: E321. Theory of public goods and externalities. Cost-benefit analysis. Public choice theory. Analysis of specific expenditure, transfer, and regulatory programs. Only 6 credit hours from E308, E361, and E362 may be counted toward a major in economics.

**ECON-E 362 Public Finance: Taxation (3 cr.)** P: E321.

U.S. tax structure, income redistribution effects, and efficiency in resource allocation. Use of welfare theory and microeconomic models to evaluate particular issues. Only 6 credit hours from E308, E361, and E362 may be counted toward a major in economics.

**ECON-E 364 Environment and Resource Economics**

**(3 cr.) CASE S&H** P: E321. Basic theory of common property resources applied to environment and resource conservation problems. Topics include economic efficiency, equity, measurement problems, and policy formulation.

**ECON-E 370 Statistical Analysis for Business and**

**Economics (3 cr.) CASE N&M** P: E201 and MATH M118 or similar course emphasizing probability concepts. R: MATH M119 and E202. Lectures emphasize the use of basic probability concepts and statistical theory in the estimation and testing of single parameter and multivariate

relationships. In computer labs, using Microsoft Excel, each student calculates descriptive statistics, probabilities, and least squares regression coefficients in situations based on current business and economic events. Credit given for only one of E370 or S370, ANTH A306, CJUS K300, MATH K300 or K310, POLS Y395, PSY K300 or K310, SOC S371, STAT K310 or S300 or S301, or SPEA K300. I Sem., II Sem., SS.

**ECON-S 370 Statistical Analysis for Business and Economics: Honors (3 cr.) CASE N&M** P: E201 and MATH-M 118 or similar course emphasizing probability concepts. R: MATH-M 119 and E202. Honors course. Lectures emphasize the use of basic probability concepts and statistical theory in the estimation and testing of single parameter and multivariate relationships. In computer labs, using Microsoft Excel, each student calculates descriptive statistics, probabilities, and least squares regression coefficients in situations based on current business and economic events. Credit given for only one of S370 or E370, ANTH A306, CJUS K300, MATH K300 or K310, POLS Y395, PSY K300 or K310, SOC S371, STAT K310 or S300 or S301, or SPEA K300. I Sem., II Sem., SS.

**ECON-E 371 Introduction to Applied Econometrics (3 cr.)** P: ECON E370; one course from MATH M119, M211, M213. An introduction to the theory and application of least-squares regression in empirical economics. Review of bivariate and multivariate regression models, hypothesis testing, and confidence intervals. Special topics include model specification, multicollinearity, heteroscedasticity, dummy variables, interactions, and various sources of estimation bias. Students will learn to work with both cross-sectional and time-series datasets, and analyze the data using an econometrics software package. Only 6 credit hours from E371, E471, and E472 may be counted toward a major in economics.

**ECON-E 385 Economics of Industry (3 cr.)** P: E321. Empirical analysis of market structure and behavior. Location, technology, economies of scale, vertical integration, conglomerates, barriers to entry, and competitive practices. Economic assessment of product performance and environmental impact.

**ECON-E 386 Soviet-Type Economies in Transition (3 cr.)** P: E321. Economic institutions, resource allocation mechanisms, incentives and decision-making in a Soviet-type economy; economics of transition to a market-oriented system. Particular attention is paid to price liberalization, development of the financial system, privatization of state-owned assets, opening to the world economy, and the role of private sector. Credit given for only one of E386 or E497.

**ECON-E 390 Undergraduate Seminar in Economics (3 cr.)** P: E321. Additional prerequisites may be required depending on the seminar topic. Intensive study of a topic area in economics. Topics will vary. May be repeated with different topics for a maximum of 9 credit hours.

**ECON-E 391 Independent Research in Economics (1-3 cr.)** P: E321, E322, E370; undergraduate economics major or interdepartmental major (ECON/POLS or ECON/MATH); minimum 3.000 economics GPA. Additional prerequisites may be required by the faculty mentor. Independent readings and research by special arrangement with an economics faculty mentor and the

director of undergraduate studies. A research paper or other substantial writing assignments are usually required. A maximum of 3 credit hours in E391 may count toward the major in economics.

**ECON-E 425 Financial Economics (3 cr.)** P: E321 and E370. Theory and empirical evidence relevant to understanding the functioning of modern financial-asset markets. Course topics may vary substantially by instructor. Some examples include: present value, analysis of risk and return, asset pricing, modern portfolio theory, equilibrium in asset markets, arbitrage pricing theory, the capital asset pricing model, the efficient markets hypothesis, price bubbles and crashes, futures markets, derivative securities and option pricing models.

**ECON-E 427 Seminar in Experimental Economics (3 cr.)** P: E321 and E370 or consent of instructor. R: E327. Focuses on the use of laboratory experimental methods in applied microeconomics. Specific application areas will include the analysis of resource allocation mechanisms for both private and public goods and individual choice under uncertainty using both human and nonhuman subjects.

**ECON-E 471 Econometric Theory and Practice I (3 cr.)** P: ECON-E370 or MATH-M365; MATH-M311; MATH-M303 or MATH-M301. Emphasis is on the classical linear regression model and its applications. Special topics include finite and asymptotic properties of least squares, hypothesis testing, model specification, dummy variables, proxies, multicollinearity and heteroscedasticity. Several software packages are used in computer lab applications. Only 6 credit hours from E371, E471, and E472 may be counted toward a major in economics.

**ECON-E 472 Econometric Theory and Practice II (3 cr.)** P: E471. Emphasizes extensions of the classical linear-regression model such as: limited dependent variables, instrumental variables, stationary and nonstationary data, fixed-effect and random-effect models, multiple-equation models, censored regression, and sample selection. Only 6 credit hours from E371, E471, and E472 may be counted toward a major in economics.

**ECON-E 490 Advanced Undergraduate Seminar in Economics (3 cr.)** P: E321. Additional prerequisites may be required depending on the seminar topic. Advanced intensive study of a topic area in economics. Topics will vary. May be repeated with different topics for a maximum of 9 credit hours.

**ECON-E 496 Foreign Study in Economics (3-8 cr.)** **CASE S&H** P: Consent of chairperson. Course involves planning of research project during year preceding summer abroad. Time spent in research abroad must amount to at least one week for each credit hour granted. Research must be presented by end of semester following foreign study. Does not count toward a major or minor in economics. May be taken once only.

**ECON-E 499 Honors Thesis (3 cr.)** P: E321, E322, and E370; undergraduate economics major or interdepartmental major (ECON/POLS or ECON/MATH); minimum 3.300 economics GPA. Additional prerequisites may be required by the faculty mentor. Honors course. Honors thesis research by special arrangement with an economics faculty mentor and the

director of undergraduate studies. A maximum of 3 credit hours in E499 may count toward the major in economics.

### **ECON-Y 398 Internship in Economics (1-3 cr.)**

P: Departmental approval required. Supervised work experience in an academic or business environment, including as a teaching assistant for undergraduate classes. Performance evaluation by a faculty mentor. Does not count toward a major or minor in economics. May be repeated for a maximum of 3 credit hours.

## **English**

### **Introduction**

The Department of English (ENG) offers courses in all periods of English and American literary history, in major authors, in writing, language, film, poetry, fiction, and drama, and in relationships between literature and such other disciplines as psychology, philosophy, and history. Courses are also offered in the areas of women and literature, Jewish literature, and world literary cultures in English.

### **Contact Information**

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Indiana University  
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<http://www.indiana.edu/~engweb/>

## **Faculty**

### **Chairperson**

- Paul Gutjahr

### **Associate Chairperson**

- Kathy O. Smith

### **Chancellor's Professor**

- Robert Fulk

### **Provost Professors**

- Christoph Irmscher
- Stephen M. Watt

### **Culbertson Chair**

- John Schilb

### **Martha C. Kraft Professor of Humanities**

- Samrat Upadhyay

### **Professors**

- Catherine Bowman
- Linda Charnes
- Edward P. Comentale
- Jonathan Elmer
- Christine R. Farris
- Mary Favret
- Paul Gutjahr
- Ray Hedin
- Karma Lochrie
- Alyce Miller
- Andrew H. Miller

- Richard Nash
- Alvin H. Rosenfeld

### **Associate Professors**

- Michael Adams
- Dana Anderson
- Penelope Anderson
- Purnima Bose
- Judith Brown
- Richard Cecil
- Jennifer Fleissner
- Ross Gay
- Shannon Gayk
- Rae Greiner
- Vivian Halloran
- Scott Herring
- Patricia Ingham
- Joshua Kates
- DeWitt Douglas Kilgore
- Ivan Kreilkamp
- Laura Kriegel
- Joan Pong Linton
- Ellen MacKay
- Monique Morgan
- Ranu Samantrai
- Kathy O. Smith
- Shane Vogel
- Nicholas Williams
- Lara Kriegel (History)

### **Assistant Professors**

- Scot Barnett
- Justin Hodgson
- Adrian Matejka
- Jesse Molesworth
- Nikki Skillman
- Jacinda Townsend
- Alberto Varon (Latino Studies)

### **Director, Graduate Studies**

- Ellen MacKay, Ballantine 442, (812) 855-1543

### **Director, Undergraduate Studies**

- Edward P. Comentale, Ballantine 442, (812) 855-9532

### **Director, English Honors Program**

- Edward P. Comentale, Ballantine 442, (812) 855-9532

### **Director, Composition**

- Dana Anderson, Ballantine Hall 447, (812) 855-1430

### **Director, Basic Writing and Special Programs**

- Kathy O. Smith, Ballantine Hall 404, (812) 855-1430

### **Director, Creative Writing**

- Richard Nash, Ballantine Hall 466, (812) 855-9539

### **Coordinator, Creative Writing Pedagogy**

- Romayne Rubinas Dorsey, Ballantine 460, (812) 855-4038

### **Academic Advising**

- Karen Ellis, Ballantine Hall 442, (812) 855-9532

- Nathan Hendershott, Ballantine Hall 442, (812) 855-9532

## Major in English

### Required Courses

Requires 33 credit hours, including

1. ENG L260 Introduction to Advanced Study of Literature (3 cr.), recommended within the first 9 credit hours of the major.
2. One introductory genre course (3 cr.) approved for CASE Intensive Writing credit, chosen from
  - L203 Introduction to Drama
  - L204 Introduction to Fiction
  - L205 Introduction to Poetry
  - L206 Introduction to Prose (Excluding Fiction)
3. Three literary history courses (9 cr.), recommended within the first 21 credit hours of the major.
  - L310 Literary History 1: Beginnings through the Seventeenth Century
  - L312 Literary History 2: Eighteenth and Nineteenth Centuries
  - L316 Literary History 3: Twentieth and Twenty-first Centuries
4. L371 Critical Practices (3 cr.)
5. Five English elective courses (15 cr.) including
  - Two courses at or above the 200 level
  - Two courses at or above the 300 level
  - One course at the 400 level

**Note:** The following courses are not approved for inclusion in the major or minor: W202, W205, and courses completed through Independent Studies. Students may substitute 3 credit hours from the courses listed in the "Related Courses" section of this *Bulletin*.

Students must also complete the degree requirements of the College of Arts and Sciences.

Students wishing to pursue a more focused line of inquiry through the major may elect to participate in one of the Department's several concentrations. To complete a concentration, students typically need four courses in a specific area of inquiry; at least three of these courses must be at the 300 level or above. Please check the [Department website](#) for specific details of each program. The Department has designated ten areas of inquiry, reflecting the specializations and unique talents of its faculty, and each semester a list of courses that fulfill each concentration will be provided for students.

- Poetry and Poetics
- Narrative and the Novel
- Drama and Performance
- Race and Ethnicity
- Post-Colonial Literatures
- Popular Culture and Cultural Studies
- Gender and Sexuality
- Media/Digital Media Studies
- Creative Writing
- Public and Professional Writing

## Major in English with a Concentration in Creative Writing

### Requirements

Students must complete 33 credit hours in English above the 100 level, including:

1. ENG L260 Introduction to Advanced Study of Literature (3 cr.), recommended within the first 9 credit hours of the major.
2. One introductory genre course (3 cr.) approved for CASE Intensive Writing credit, chosen from
  - L203 Introduction to Drama
  - L204 Introduction to Fiction
  - L205 Introduction to Poetry
  - L206 Introduction to Prose (Excluding Fiction)
3. Three literary history courses (9 cr.) recommended within the first 21 credit hours of the major.
  - L310 Literary History 1: Beginnings through the Seventeenth Century
  - L312 Literary History 2: Eighteenth and Nineteenth Centuries
  - L316 Literary History 3: Twentieth and Twenty-first Centuries
4. L371 Critical Practices (3 cr.)
5. Four courses (12 cr.) in creative writing: one course at or above the 200 level; two courses (6 cr.) at or above the 300 level; one course at the 400 level chosen from W203, W301, W303, W311, W381, W383, W401, W403, W413. **Note:** At least one of the courses must be either W381 or W383.
6. One additional elective in English above the 100 level (3 cr.).

Students must also complete the degree requirements of the College of Arts and Sciences.

**Note:** W202 and W205 are not approved for inclusion in the major or minor.

### Recommendations

Students interested in pursuing an M.F.A. in Creative Writing should consider completing the major's concentration in creative writing. For advice in planning a course of study, students should consult their departmental advisor and the department's website <http://www.indiana.edu/~engweb/englishMajor/creativeWriting.shtml>. Each semester, the department publishes detailed descriptions of courses to be offered the following semester.

## Major in English with a Concentration in Public and Professional Writing

### Requirements

Students must complete 33 credit hours in English, including:

1. ENG L260 Introduction to Advanced Study of Literature (3 cr.), recommended within the first 9 credit hours of the major.
2. One introductory genre course (3 cr.) approved for CASE Intensive Writing credit, chosen from
  - L203 Introduction to Drama
  - L204 Introduction to Fiction
  - L205 Introduction to Poetry

- L206 Introduction to Prose (Excluding Fiction)
3. Three literary history courses (9 cr.) recommended within the first 21 credit hours of the major.
    - L310 Literary History 1: Beginnings through the Seventeenth Century
    - L312 Literary History 2: Eighteenth and Nineteenth Centuries
    - L316 Literary History 3: Twentieth and Twenty-first Centuries
  4. L371 Critical Practices (3 cr.)
  5. ENG W231 and W350.
  6. Two courses (6 cr.) in Public and Professional Writing, of which at least 3 credit hours must be at or above the 300 level, chosen from ENG L240, W240, W270, W280, W321, G302, G405, and L498 (with approval, up to 3 credit hours of L498 internship in editing may be applied to the concentration).
  7. One course (3 cr.) at the 400 level (student work in G405 or L498 above could count for this requirement).

Students must also complete the degree requirements of the College of Arts and Sciences.

**Note:** W202 and W205 are not approved for inclusion in the major or minor.

#### Recommendations

Students interested in pursuing an M.F.A. in Creative Writing should consider completing the major's concentration in creative writing. For advice in planning a course of study, students should consult their departmental advisor and the department's website <http://www.indiana.edu/~engweb/englishMajor/publicWriting.shtml>. Each semester, the department publishes detailed descriptions of courses to be offered the following semester.

## Interdepartmental Major in English and African American and African Diaspora Studies

#### Requirements

Students must meet the following course requirements for a minimum total of 40 credit hours.

#### English

At least 18 credit hours at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above, including:

1. L260 Introduction to Advanced Study of Literature (3 cr.)
2. One introductory genre course (3 cr.) approved for CASE Intensive Writing credit, chosen from
  - L203 Introduction to Drama
  - L204 Introduction to Fiction
  - L205 Introduction to Poetry
  - L206 Introduction to Prose
3. Three literary history courses (9 cr.), recommended within the first 21 credit hours of the major.
  - L310 Literary History 1: Beginnings through the Seventeenth Century

- L312 Literary History 2: Eighteenth and Nineteenth Centuries
  - L316 Literary History 3: Twentieth and Twenty-first Centuries
4. L371 Critical Practices (3 cr.)

#### African American and African Diaspora Studies

At least 18 credit hours, of which at least 12 credit hours must be at the 300 level or above, including:

1. A150 Survey of the Culture of Black Americans.
2. A355 African American History I or A356 African American History II.
3. A379 Early Black American Writing or A380 Contemporary Black American Writing.
4. Three courses from the following:
  - A249 African American Autobiography
  - A283 Blacks in American Drama and Theatre 1767–1945
  - A384 Blacks in American Drama and Theatre 1945–Present
  - A479 Contemporary Black Poetry
  - A480 The Black Novel
  - A493 Senior Seminar in African American Studies

## Minor in English

#### Required Courses

15 credit hours in English above the 100 level, including:

1. ENG L260 Introduction to Advanced Study of Literature (3 cr.).
2. One introductory genre course (3 cr.) approved for CASE Intensive Writing credit, chosen from
  - L203 Introduction to Drama
  - L204 Introduction to Fiction
  - L205 Introduction to Poetry
  - L206 Introduction to Prose (Excluding Fiction)
3. Two literary history courses (6 cr.) chosen from
  - L310 Literary History 1: Beginnings through the Seventeenth Century
  - L312 Literary History 2: Eighteenth and Nineteenth Centuries
  - L316 Literary History 3: Twentieth and Twenty-first Centuries
4. One English elective at the 300–400 level. (May include L310, L312 or L316 if not used to fulfill requirement 3 above.)
5. At least 9 credit hours of course work must be completed on the Bloomington campus

**Note:** W202 and W205 are not approved for inclusion in the major or minor.

Students may complete both the minor in English and the minor in creative writing as long as different courses are chosen to complete each minor.

## Minor in Creative Writing

#### Required Courses

15 credit hours in English above the 100 level, including

1. 12 credit hours selected from L260, W203, W301, W303, W311, W401, W403, W413.
2. W381 or W383.
3. A minimum of 9 credit hours must be taken at the 300–400 level.
4. At least 9 credit hours of the minor must be taken on the Bloomington campus.

**Note:** W202 and W205 are not approved for inclusion in the major or minor.

A student may complete both the English minor and the minor in creative writing as long as different courses are chosen to complete each minor. Students pursuing a major in English are not eligible for the creative writing minor.

## Departmental Honors Program

Outstanding students are eligible for admission to the English honors program at the end of their junior year. The program consists of independent reading, research, and writing with tutorial instruction. During the senior year, students follow individual programs of study culminating in an honors thesis (L499) and participate in an honors colloquium.

Interested students should consult the department's director of honors.

## Course Descriptions

### Composition

Students who earn credit in W131, W143, or W170 may not receive or retain Indiana University special credit in composition.

#### ENG-J 101 Introduction to College Composition (2 cr.)

P: Consent of department. For Groups students only. An introduction to the writing process. J101 can lead directly to freshman-level writing courses or, at discretion of instructor, to J102.

#### ENG-J 102 Introduction to College Composition (3 cr.)

P: Consent of department. For Groups students only. A further introduction to the writing process; continuation of J101.

**ENG-W 101 Critical Literacy (2 cr.)** Offers instruction and practice in the kinds of critical reading strategies students will be expected to practice in college, with an emphasis on the connection between academic reading and writing skills.

**ENG-X 101 Pre-Composition (3 cr.)** An introduction to the writing process.

**ENG-W 130 Principles of Composition (3 cr.)** For students who need a semester of writing instruction before taking W131. Practice in writing papers for a variety of purposes and audiences. Attention to sentence and paragraph structure. No credit toward any degree on the IU Bloomington campus. W130 is not an in-class course on the Bloomington campus, but is available for transfer credit only.

#### ENG-W 131 Reading, Writing, and Inquiry I (3 cr.)

**CASE EC** Teaches skills of critical reading, thinking, and writing to help students meaningfully engage artifacts, events, and issues in our world. The course builds students' abilities to read written and cultural texts

critically; to analyze those texts in ways that engage both students' own experiences and the perspectives of others; and to write about those texts for a range of audiences and purposes as a means of participating in broader conversations. Assignments emphasize the analysis and synthesis of sources in making and developing claims.

#### ENG-W 143 Interdisciplinary Study of Expository Writing (1 cr.)

The study of writing in conjunction with a discipline outside English language and literature. Credit for this course will be available to students who enroll in special sections of non-English introductory courses that include a writing component. May be repeated once for credit.

#### ENG-W 170 Introduction to Argumentative Writing: Projects in Reading and Writing (3 cr.) CASE EC

An alternative to W131, this freshman composition course offers a challenging sequence of projects in reading and writing. Topics and approaches vary by section; the focus, however, is on projects that encourage sustained inquiry into complex problems or significant issues. Credit given for only one of W170 or W131.

**ENG-W 202 English Grammar Review (1 cr.)** This 1 credit, eight-week course provides a basic understanding of grammatical terms and principles sufficient to enable students to edit their own prose with confidence. Despite the course title, no prior knowledge of grammar assumed or required. No authorization is required for this course. Does not count in the major or minor.

#### ENG-W 231 Professional Writing Skills (3 cr.)

P: Completion of the English composition requirement. Designed to develop research and writing skills requisite for most academic and professional activities. Emphasis on methods of research, organization, and writing techniques useful in preparing reviews, critical bibliographies, research and technical reports, proposals, and papers.

#### ENG-W 240 Community Service Writing (3 cr.)

P: Completion of the English composition requirement. Integrates service with learning to develop research and writing skills requisite for most academic and professional activities. Students volunteer at a community service agency, write an assignment for public use by the agency, and perform course work culminating in a research paper on a related social issue.

**ENG-W 270 Argumentative Writing (3 cr.)** P: Completion of the English composition requirement. Offers instruction and practice in writing argumentative essays about complicated and controversial issues. Focuses on strategies for identifying issues, assessing claims, locating evidence, deciding on a position, and writing papers with clear assertions and convincing arguments.

#### ENG-W 321 Advanced Technical Writing (3 cr.)

P: W231 or permission of the instructor. Offers instruction in preparing technical proposals and reports, with an introduction to the use of graphics.

#### ENG-W 350 Advanced Expository Writing (3 cr.)

P: Completion of the English composition requirement. Advanced writing course focuses on the interconnected activities of writing and reading, especially the kinds of responding, analyzing, and evaluating that characterize

work in many fields in the university. Topics vary from semester to semester.

### Creative Writing

#### **ENG-W 103 Introductory Creative Writing (3 cr.)**

**CASE A&H** Introduction to the art of creative writing. Short assignments, independent work, and classroom discussion of the fundamentals of writing fiction, poetry, and drama. Does not satisfy English composition requirement.

#### **ENG-W 203 Creative Writing (3 cr.) CASE A&H**

P: English major or W103 or permission of the director, Creative Writing Program. Exploratory course in the writing of poetry and/or fiction. Does not satisfy the English composition requirement. May be repeated with a different topic for a maximum of 6 credit hours.

#### **ENG-W 280 Literary Editing and Publishing (3 cr.)**

P: Completion of the English composition requirement. Principles of editing and publishing literary writing. Kinds of journals, varieties of formats (including print and e-zine), introduction to editing and production processes. Possible focus on genre publishing (fiction, poetry, non-fiction prose), grant writing, Web publishing, etc. May not be repeated for credit.

#### **ENG-W 301 Writing Fiction (3 cr.)** P: Submission of acceptable manuscript to instructor in advance of registration. R: W103 or W203. May be repeated once for credit.

#### **ENG-W 303 Writing Poetry (3 cr.)** P: Submission of acceptable manuscript to instructor in advance of registration. R: W103 or W203. May be repeated once for credit.

#### **ENG-W 311 Writing Creative Nonfiction (3 cr.)** P: Submission of acceptable manuscript to instructor in advance of registration. R: W103 or W203. Writing workshop in such modes as personal essay, autobiography, and documentary. May be repeated once for credit.

#### **ENG-W 381 The Craft of Fiction (3 cr.)** P: W203 or W301 or W311 or permission of the instructor. Designed primarily for the creative writing student: the study and practice of the techniques used in the writing of fiction, including point of view, narrative distance, plot, characterization, setting, and tone.

#### **ENG-W 383 The Craft of Poetry (3 cr.)** P: W203, W303, or permission of the instructor. Designed primarily for the creative writing student. The study and practice of the techniques used in the writing of poetry, including meter and other rhythmic structures more commonly relied on in nonmetrical or free verse, such as rhyme, alliteration, and stanza structures.

#### **ENG-W 401 Advanced Fiction Writing (3 cr.)**

P: Submission of acceptable manuscript to instructor in advance of registration. R: W301. May be repeated once for credit.

#### **ENG-W 403 Advanced Poetry Writing (3 cr.)**

P: Submission of acceptable manuscript to instructor in advance of registration. R: W303. May be repeated once for credit.

#### **ENG-W 410 Indiana Writing Workshop (2 cr.)**

P: Acceptance to the Indiana Writers' Conference. Intensive training in various forms of writing. May be counted as part of the major. May be repeated once for credit.

#### **ENG-W 413 Advanced Creative Nonfiction Writing (3 cr.)**

P: ENG-W311 or permission of instructor, plus submission of an acceptable manuscript to instructor in advance of registration. Writing workshop in such modes as personal essay, autobiography, and documentary. May be repeated for a maximum of 6 credit hours.

### English Language

#### **ENG-G 205 Introduction to the English Language (3 cr.)**

Acquaints students with contemporary studies of the nature of language in general and of the English language in particular. I Sem.

#### **ENG-G 208 World Englishes (3 cr.) CASE GCC**

An introduction to varieties of English spoken around the world, including those of Africa, Asia, Australasia, North America, and the British Isles, in which students explore English-speaking cultures, not in isolation, but in relation to one another, through their common language.

#### **ENG-G 302 Structure of Modern English (3 cr.)**

Focuses on linguistic analysis of present-day spoken and written English, with attention to its phonemic, morphemic, and syntactical systems and its system of expressive features. II Sem.

#### **ENG-G 405 Studies in English Language (3 cr.)**

Topics vary from semester to semester.

### Literature

#### **ENG-E 301 Literatures in English to 1600 (3 cr.) CASE A&H**

The historical study of literature in English for the period 450 to 1600.

#### **ENG-E 302 Literatures in English, 1600–1800 (3 cr.)**

**CASE A&H** Representative study of British and American literature of the sixteenth through the eighteenth centuries in the context of trans-Atlantic cultural developments.

#### **ENG-E 303 Literatures in English, 1800–1900 (3 cr.)**

**CASE A&H** Representative study of nineteenth-century British and American literature in the context of trans-Atlantic cultural developments.

#### **ENG-E 304 Literatures in English, 1900–Present (3 cr.)**

**CASE A&H** Representative study of twentieth-century literatures in English. In addition to Britain and North America, cultural locations may include the Indian subcontinent, Australasia, Anglophone Africa, the Caribbean, etc. Focuses on themes associated with modernity and cross-cultural contacts.

#### **ENG-L 111 Discovering Literature (3 cr.) CASE A&H**

Introduces students both to various forms of literary expression and different modes of literary study and appreciation.

#### **ENG-L 112 Experiencing World Cultures through**

**Literatures in English (3 cr.) CASE A&H** Investigates a diversity of world cultures and examines various literary representations (written in English) of their imaginative, emotional, and moral experiences.

#### **ENG-L 198 Freshman Literature (3 cr.) CASE A&H**

Basic survey of literary masterpieces, open only to

students who have received advanced placement in literature.

**ENG-L 202 Literary Interpretation (3 cr.) CASE A&H**

P: Completion of the English composition requirement. Develops critical skills essential to participation in the interpretive process. Through class discussion and focused writing assignments, introduces the premises and motives of literary analysis and critical methods associated with historical, generic, and/or cultural concerns. May be repeated once for credit by special arrangement with the Department of English.

**ENG-L 203 Introduction to Drama (3 cr.) CASE A&H**

Acquaints students with characteristics of drama as a type of literature through the study of representative significant plays. Readings will include plays from several ages and countries.

**ENG-L 204 Introduction to Fiction (3 cr.) CASE A&H**

Representative works of fiction; structural techniques in the novel. Novels and short stories from several ages and countries.

**ENG-L 205 Introduction to Poetry (3 cr.) CASE A&H**

Kinds, conventions, and elements of poetry in a selection of poems from several historical periods.

**ENG-L 206 Introduction to Prose (Excluding Fiction) (3 cr.) CASE A&H** Varieties of nonfictional prose, such as autobiography, biography, and the essay. Representative works from several periods and countries.

**ENG-L 207 Women and Literature (3 cr.) CASE A&H**

Issues and approaches to the critical study of women writers and their treatment in British and American literature.

**ENG-L 208 Topics in English and American Literature and Culture (3 cr.) CASE A&H** Selected works of English or American literature in relation to a single cultural problem or theme. Topics will vary from semester to semester. May be repeated once for credit.

**ENG-L 210 Studies in Popular Literature and Mass Media (3 cr.) CASE A&H**

Popular literary modes in England and America, such as detective, western, fantasy; history and theories of "mass" or "popular" culture; uses of literacy. Literary analysis of particular mass media forms, including television drama. Topic varies.

**ENG-L 213 Literary Masterpieces I (3 cr.) CASE A&H**

Literary masterpieces from Homer to the present. Aims at thoughtful, intensive reading; appreciation of aesthetic values; enjoyment of reading.

**ENG-L 214 Literary Masterpieces II (3 cr.) CASE A&H**

Literary masterpieces from Homer to the present. Aims at thoughtful, intensive reading; appreciation of aesthetic values; enjoyment of reading.

**ENG-L 220 Introduction to Shakespeare (3 cr.) CASE A&H**

Rapid reading of at least a dozen of Shakespeare's major plays and poems. May not be taken concurrently with L313 or L314.

**ENG-L 223 Introduction to Ethnic American Literature (3 cr.) CASE A&H, CASE DUS**

Introduces students to a range of ethnic American literature, featuring works in varied combinations by African American, Native American, Asian American, Chicano/a or Latino/a

American, Jewish American, Italian American, Irish American, Arab American, and/or other ethnic American authors.

**ENG-L 224 Introduction to World Literatures in English (3 cr.) CASE A&H, CASE GCC** Comparing and analyzing works originating in at least two continents, this course introduces students to the complexity of human experience and diversity of global English as represented in literary works from various periods and world cultures.

**ENG-L 230 Introduction to Science Fiction (3 cr.)**

**CASE A&H** Study of the kinds, conventions, and theories of science fiction. Course may include both literature (predominantly British and American) and film.

**ENG-L 240 Literature and Public Life (3 cr.) CASE A&H**

Study of literary works that feature situations, issues, and problems of values or ethics in public life as seen from a variety of viewpoints. Discussion and writing will be directed to the works themselves and to the questions they raise for contemporary life.

**ENG-L 241 American Jewish Writers (3 cr.) CASE A&H, CASE DUS**

Introduces the works of selected American Jewish writers such as Saul Bellow, Bernard Malamud, Cynthia Ozick, and Philip Roth.

**ENG-L 249 Representations of Gender and Sexuality (3 cr.) CASE A&H**

Study of literary and cultural presentations of gender and sexuality that traces their historical evolution, illuminates issues and problems, or examines the conventions of their depictions.

**ENG-L 260 Introduction to Advanced Study of Literature (3 cr.) CASE A&H**

P: Completion of the English composition requirement. R: Completion within the first 9 credit hours of the major. Introduces four principles essential to advanced study of literature: attention to language and varieties of figurative language, analysis of generic forms and modes, awareness of historical context and mediation of forms, and facility with traditional and contemporary theories of literature.

**ENG-L 295 American Film Culture (3 cr.) CASE A&H**

Film in relation to American culture and society. Topic varies. Works of literature may be used for comparison, but the main emphasis is on film as a narrative medium and as an important element in American culture.

**ENG-L 305 Chaucer (3 cr.) CASE A&H** Chaucer's work, with special emphasis on *The Canterbury Tales*.

**ENG-L 306 Middle English Literature (3 cr.) CASE A&H**

Selected works such as *Sir Gawain and the Green Knight*, *The Pearl*, mystery and morality plays, and religious lyrics, read in Middle English.

**ENG-L 307 Medieval and Tudor Drama (3 cr.) CASE A&H**

Drama from its beginnings in Medieval England through contemporaries of the early Shakespeare.

**ENG-L 308 Elizabethan and Seventeenth-Century Drama (3 cr.) CASE A&H**

English drama from Shakespeare's time to the closing of the theaters in 1642 and beyond.

**ENG-L 309 Elizabethan Poetry (3 cr.) CASE A&H**

Major Elizabethan poets, with special attention to Spenser.

**ENG-L 310 Literary History 1: Beginnings through the Seventeenth Century (3 cr.) CASE A&H** P: Completion of the English composition requirement. R: Completion within first 21 credit hours of major. A broad overview of the varied origins and functions of literature in Medieval and Early Modern cultures. Tells the story of the consolidation of English language and literature.

**ENG-L 312 Literary History 2: Eighteenth and Nineteenth Centuries (3 cr.)** P: Completion of the English composition requirement. R: Completion within first 21 credit hours of major. A broad overview of the development of British and American literature in the era of empire, industry, and revolution. Tells the story of the expansion of English language and literature.

**ENG-L 313 Early Plays of Shakespeare (3 cr.) CASE A&H** Close reading of at least seven early plays of Shakespeare. May not be taken concurrently with L220.

**ENG-L 314 Late Plays of Shakespeare (3 cr.) CASE A&H** Close reading of at least seven later plays of Shakespeare. May not be taken concurrently with L220.

**ENG-L 316 Literary History 3: Twentieth and Twenty-first Centuries (3 cr.) CASE A&H** P: Completion of the English composition requirement. R: Completion within first 21 credit hours of major. A broad overview of the spread of global English in the wake of Anglo-American ascendancy and the subsequent rise of post-colonial/diasporic literatures. Tells the story of the global dissemination of English and Anglophone literature.

**ENG-L 317 English Poetry of the Early Seventeenth Century (3 cr.) CASE A&H** Major poets in England, 1600–1660.

**ENG-L 318 Milton (3 cr.) CASE A&H** Poetry and prose of John Milton, with special attention to *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*.

**ENG-L 320 Restoration and Early Eighteenth-Century Literature (3 cr.) CASE A&H** Representative literary works from 1660 to the mid-eighteenth century, studied within their social context.

**ENG-L 327 Later Eighteenth-Century Literature (3 cr.) CASE A&H** Representative literary works from the mid-eighteenth century to 1800, studied within their social context.

**ENG-L 328 Restoration and Eighteenth-Century Drama (3 cr.) CASE A&H** Development of English Drama from Puritan closing of playhouses into the nineteenth century.

**ENG-L 332 Romantic Literature (3 cr.) CASE A&H** British literature and culture in the age of Romanticism and the revolutionary era (ca. 1780–1830). Poetry, fiction, drama, and nonfiction writings from major and minor authors, such as Austen, Blake, Byron, Coleridge, Keats, Scott, the Shelleys, Wollstonecraft, and the Wordsworths.

**ENG-L 335 Victorian Literature (3 cr.) CASE A&H** Major poetry and prose, 1830–1900, studied against the social and intellectual background of period.

**ENG-L 345 Twentieth-Century British Poetry (3 cr.) CASE A&H** Modern poets, particularly Yeats, Eliot, Auden; some later poets may be included.

**ENG-L 346 Twentieth-Century British Fiction (3 cr.) CASE A&H** Modern fiction, its techniques and experiments, particularly Joyce, Lawrence, and Woolf; some later novelists may be included.

**ENG-L 347 British Fiction to 1800 (3 cr.) CASE A&H** Forms, techniques, and theories of fiction as exemplified by such writers as Defoe, Richardson, Fielding, Smollett, and Sterne.

**ENG-L 348 Nineteenth-Century British Fiction (3 cr.) CASE A&H** Forms, techniques, and theories of fiction as exemplified by such writers as Scott, Dickens, Eliot, and Hardy.

**ENG-L 350 Early American Writing and Culture to 1800 (3 cr.) CASE A&H** Examines a range of literary and cultural communications from the period of exploration and colonization of the Americas through the Revolutionary era. Special attention paid to the interactions between rhetoric and history, and to religious, scientific, political, racial, and literary discourses.

**ENG-L 351 American Literature 1800–1865 (3 cr.) CASE A&H** Studies a range of texts from the formative period of the republic to the end of the Civil War. Special attention paid to the shifting definitions and constructions of U.S. American national and cultural identity, as affected by issues of race, environment, transatlantic exchanges, scientific discourse, and the emergence of women writers.

**ENG-L 352 American Literature 1865–1914 (3 cr.) CASE A&H** Surveys American literature through the development of realism, regionalism, naturalism, and the beginnings of modernism. Considers literature's relation to social and cultural phenomena of this era, such as urbanization, industrialization, immigration, racial tensions, labor strife, changing gender roles, and the spread of mass media and consumer culture.

**ENG-L 354 American Literature since 1914 (3 cr.) CASE A&H** Provides an understanding of the pivotal literary innovations and cultural changes during this period. Literary movements such as naturalism, realism, and modernism may be the subject of focus, as might changes in race and gender relations, labor politics, immigration policies, regionalism, and the increasing shift from agricultural to urban economics.

**ENG-L 355 American Fiction to 1900 (3 cr.) CASE A&H** Surveys a range of literary fiction in nineteenth-century America, examining a variety of forms including the novel, sketch, short story, as well as modes (Gothic, romance, sentimental, adventure). Attention will be paid to the historical, cultural, and political contexts in which canonical and lesser-known authors wrote.

**ENG-L 356 American Poetry to 1900 (3 cr.) CASE A&H** Includes the work of Bradstreet, Taylor, the fireside poets, Poe, Emerson, Whitman, Dickinson, and Crane.

**ENG-L 357 Twentieth-Century American Poetry (3 cr.) CASE A&H** Examines the general trends and important contributions found in the work of major and minor American poets.

**ENG-L 358 American Literature, 1914–1960 (3 cr.) CASE A&H** Surveys literary expressions centered mainly in the first half of the twentieth century. Attention may be given to such literary movements as modernism and the

Beats, as well as literature written by women and various ethnic populations.

**ENG-L 359 American Literature, 1960–Present (3 cr.) CASE A&H** Examines a range of literary forms and developments after the start of the Vietnam War. Special attention may be given to postmodernism, women's literature, ethnic literature, 1960s protest literature, and radical revisions of genres, forms and narrative strategies in the age of computerization.

**ENG-L 360 American Prose (Excluding Fiction) (3 cr.) CASE A&H** Examines—but is not limited to—such nonfiction genres as the personal or political essay, science writing, journalism exposé, history, biography, film criticism, memoir, travel and speech writing. The instructor may focus on a particular genre or period.

**ENG-L 363 American Drama (3 cr.) CASE A&H** Main currents in American drama to the present.

**ENG-L 364 Native American Literature (3 cr.) CASE A&H, CASE DUS** Surveys traditional and modern literature by American Indians, especially of the high plains and southwest culture areas, with particular attention to the image of the Indian in both native and white literature.

**ENG-L 365 Modern Drama: Continental (3 cr.) CASE A&H** Special attention to Ibsen, Strindberg, Chekhov, Pirandello, Brecht, Beckett, and the theater of the absurd.

**ENG-L 366 Modern Drama: English, Irish, American, and Post-Colonial (3 cr.) CASE A&H** Shaw, Synge, O'Neill, and other significant dramatists, such as Harold Pinter, Edward Albee, August Wilson, Athol Fugard, and Wole Soyinka.

**ENG-L 367 Literature of the Bible (3 cr.) CASE A&H** Hebrew Bible and New Testament with emphasis on questions of reading and interpretation.

**ENG-L 369 Studies in British and American Authors (3 cr.) CASE A&H** Studies in single authors (such as Wordsworth and Melville), groups of authors (such as minority writers), and periods (such as American writers of the 1920s). Topics vary from semester to semester. May be repeated with a different topic for a maximum of 6 credit hours.

**ENG-L 371 Critical Practices (3 cr.) CASE A&H** P: L260 with grade of C– or higher. Study of and practice in using contemporary critical methodologies; can be focused on specific topics.

**ENG-L 373 Interdisciplinary Approaches to English and American Literature (3 cr.) CASE A&H** Social, political, and psychological studies in English and American literature, 1890 to the present. Topics may vary and include, for example, Freud and literature, responses to revolution, and the literature of technology.

**ENG-L 374 Ethnic American Literature (3 cr.) CASE A&H, CASE DUS** Literature about the American ethnic experience, selected from works by African American, Native American, Asian American, Chicano/a or Latino/a American, Jewish American, Italian American, Irish American, Arab American, and/or other ethnic American authors.

**ENG-L 375 Studies in Jewish Literature (3 cr.) CASE A&H, CASE DUS** Jewish authors, such as I. B. Singer and Elie Wiesel; groups of authors, such as Holocaust writers and writers about the immigrant experience; or genres and themes. Topic will vary from semester to semester.

**ENG-L 378 Studies in Women and Literature (3 cr.) CASE A&H** British and American authors such as George Eliot, Gertrude Stein; groups of authors, such as the Brontë sisters, recent women poets; or genres and modes, such as autobiography, film, and criticism. Topics will vary from semester to semester.

**ENG-L 380 Literary Modernism (3 cr.) CASE A&H** Phenomenon of modernism in early twentieth-century transatlantic literature, with emphasis on such writers as Joyce, Pound, Eliot, Stein, Lawrence, and Faulkner, studied in relation to social and artistic movements.

**ENG-L 381 Recent Writing (3 cr.) CASE A&H** Selected writers of contemporary significance. May include groups and movements (such as black writers, poets of projective verse, new regionalists, parajournalists and other experimenters in pop literature, folk writers, and distinctly ethnic writers); several recent novelists, poets, or critics; or any combination of groups. May be repeated once for credit by special arrangement with the Department of English.

**ENG-L 383 Studies in British or Commonwealth Culture (3 cr.) CASE A&H** Study of a coherent period of British or Commonwealth culture (such as medieval, Elizabethan, or Victorian England, or modern Canada), with attention to the relations between literature, the other arts, and the intellectual milieu.

**ENG-L 384 Studies in American Culture (3 cr.) CASE A&H** Study of a coherent period of American culture (such as the Revolution, the Progressive Era, the Great Depression), with attention to the relations between literature, the other arts, and the intellectual milieu.

**ENG-L 389 Feminist Literary and Cultural Criticism (3 cr.) CASE A&H** Selected critical approaches to the issue of gender over time and in various cultural settings. Topics vary, but may include feminist criticism and popular culture, the history of feminist expository prose, or deconstructionism and feminism.

**ENG-L 390 Children's Literature (3 cr.) CASE A&H** Historical and modern children's books and selections from books; designed to assist future teachers, parents, librarians, or others in selecting the best in children's literature for each period of the child's life.

**ENG-L 391 Literature for Young Adults (3 cr.) CASE A&H** Study of books suitable for junior high and high school classroom use. Special stress on works of fiction dealing with contemporary problems, but also including modern classics, biography, science fiction, and other areas of interest to teenage readers.

**ENG-L 395 British and American Film Studies (3 cr.) CASE A&H** Intensive study of specific topics related to film narratives; emphasis on American or British film as a cultural phenomenon. Topic varies.

**ENG-L 396 Studies in African American Literature and Culture (3 cr.) CASE A&H, CASE DUS** Study of

a coherent phenomenon of African American literature and culture (such as Harlem Renaissance, the Black Arts Movement, African American women's autobiographies, black popular culture and literary expression, recent black fiction or poetry, or a cluster of major authors).

#### **ENG-Y 398 Professional Practice in English (1-6 cr.)**

P: Major standing, 12 credit hours in English at 200 level or above, including L202, good academic standing, approval of Department of English. (S/F grading) Supervised, career-related work experience in cooperating institution, agency, or business. Evaluation by employer and Department of English. Does not count toward distribution or English major requirements. May be repeated for a maximum of 6 credits.

**ENG-L 399 Junior Seminar (3 cr.)** P: L260 and one course from L203, L204, L205, or L206. Small seminar on various topics, encouraging independent thinking and research methods. May be repeated with a different topic for a maximum of 6 credit hours.

**ENG-L 450 Seminar: British and American Authors (3 cr.)** Intensive study of a major author or a school of closely related authors.

**ENG-L 460 Seminar: Literary Form, Mode, and Theme (3 cr.)** Study of texts written in several historical periods united by a common mode or form (narrative, romanticism, lyric, etc.), or by a common theme (*Bildungsroman*, the city and the country, the two cultures question, the uses of literacy, etc.).

**ENG-L 470 Seminar: Literature and Interdisciplinary Studies (3 cr.)** Study of a body of English or American literature in relation to another discipline (philosophy, art history, linguistics, psychology, etc.), or in light of critical theory (structuralist, psychoanalytic, genre theory, etc.).

**ENG-L 480 Seminar: Literature and History (3 cr.)** Study of a body of literature in relation to a period of history, to a theory of history, or to a historical theme.

**ENG-L 495 Individual Reading in English (1-3 cr.)** P: Consent of instructor and departmental director of undergraduate studies. May be repeated once for a maximum of 6 credit hours.

**ENG-L 498 Internship in English (1-3 cr.)** P: Major standing, minimum GPA of 3.000, 12 credit hours in English at 200 level or above (including L260 and one course from L203, L204, L205 or L206), prior arrangement with faculty member or editor. (S/F grading) Supervised experience in teaching undergraduate English course or in editing departmentally based journal or allied publication. May be repeated once for a maximum of 6 credit hours; only 3 credit hours may count toward the major.

**ENG-L 499 Senior Independent Study for Honors Students (2 cr.)** P: Approval of department's Honors Director. May be repeated once for credit.

### **Related Courses**

One of the following courses may be included in the English major.

#### **African American and African Diaspora Studies**

- AAAD-A 379 Early Black American Writing (3 cr.) **CASE A&H, CASE DUS**

- AAAD-A 380 Contemporary Black American Writing (3 cr.) **CASE A & H, CASE DUS**
- AAAD-A 479 Contemporary Black Poetry (3 cr.) **CASE A&H**
- AAAD-A 480 The Black Novel (3 cr.) **CASE A&H, CASE DUS**

#### **Folklore and Ethnomusicology**

- FOLK-F 430 Folklore and Related Disciplines (3 cr.) **CASE S&H** (Topic approval by director of undergraduate studies required.)

#### **Linguistics**

- LING-L 103 Introduction to the Study of Language (3 cr.) **CASE S&H**

#### **Theatre, Drama and Contemporary Dance**

- THTR-T 254 Introduction to Playwriting (3 cr.) **CASE A&H**
- THTR-T 454 Playwriting (3 cr.)

Any course at the 300 level or higher in ancient or modern literature in another language or in English or American history.

Double majors, not already counting any of the above-mentioned classes, may petition to have 3 credit hours of their other major included as part of their English major.

## **Environmental and Sustainability Studies**

### **Introduction**

Understanding the interactions between humans and the environment and their connection with ecological, societal, and economic processes at local, regional, and global scales is a core competency in today's world. The study of sustainability bridges the arts and humanities, social sciences, and the physical and life sciences. It complements traditional disciplines by offering an opportunity for education in coupled natural and human systems that encompasses study of the environment, society, economy, and the arts. The major, awarded jointly by the College of Arts and Sciences and the School of Public and Environmental Affairs, is administered by the Integrated Program in the Environment.

### **Contact Information**

Integrated Program in the Environment  
Indiana University  
MSB-II Room 134  
702 N. Walnut Grove Avenue  
Bloomington, IN 47405-2204  
(812) 855-8745  
[iuipe@indiana.edu](mailto:iuipe@indiana.edu)

<http://environment.indiana.edu/>

### **Faculty**

#### **Director**

- Professor Jeffrey R. White

#### **Academic Advising**

- Carlin C. Schrag, Geology 109, (812) 855-2391

## **Major in Environmental and Sustainability Studies**

The goal of the major in Environmental and Sustainability Studies is to provide students a broad introduction to the complex system- scale challenges of sustainability as well as the tools needed to address problems that transcend solely social or environmental domains.

Although this is designed as a stand-alone major, students are encouraged to pursue this degree program as a second major opportunity. Pursuing two majors enables students a combination of depth in a core discipline and breadth across the range of topics that are inherent in environmental and sustainability studies. The Environmental and Sustainability Studies degree also emphasizes training in the area of human–environment interactions, objectives that may not be part of other degree programs.

The curriculum of the Environmental and Sustainability Studies major combines introductory course work with classes on environmental systems and research methods and techniques, and students then choose one of five concentrations.

Students must complete at least 30 credit hours to include:

1. One introductory sustainability course (3 cr.) chosen from List A.
2. An upper-level human–environment systems course (3 cr.) chosen from List B.
3. Three environmental studies skills/research methods courses (9 cr.) from List C. At least one course must be chosen from a list of Communication, Data Collection and Analysis courses in Group I; one course from a list of environmental science courses in Group II; and one must be chosen from a list of economics courses in Group III.
4. A series of courses from one of five defined concentration areas (12 cr.). Concentration areas are:
  - Sustainable Food Systems
  - Sustainable Energy and Resources
  - Environmental Ethics and Justice
  - Biodiversity and Sustainability
  - Sustainability Individualized Program
5. Elective courses to equal a total of 30 credit hours in the major. At least 18 credit hours of major courses must be at the 300–400 level.

**Note:** A single course that is co-listed as human–environment systems training, a skills/research methods course, or a concentration course may count toward two degree requirements.

Students must also satisfy all requirements for a B.A. degree in the College of Arts and Sciences.

## **List A - Introductory Sustainability Courses**

- ANTH-E 101 Ecology and Society
- BIOL-L 222 The City as Ecosystem
- GEOG-G 208 Environment and Society
- GEOL-G 105 Earth: Our Habitable Planet
- SPEA-E 162 Environment and People

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## **List B - Human-Environment Systems Courses**

- ANTH-E 328 Ecological Anthropology
- ANTH-E 418 Globalization and Consumer Culture
- ANTH-E 444 People and Protected Areas: Theories of Conservation
- BIOL-T 312 Societal Issues in Biotechnology
- GEOG-G 315 Environmental Conservation
- GEOG-G 411 Sustainable Development Systems
- GEOG-G 442 Sustainable Energy Systems
- GEOG-G 444 Climate Change Impacts
- GEOG-G 449 Political Ecology
- GEOG-G 453 Water and Society
- GEOG-G 478 Global Change, Food and Farming Systems
- HPSC-X 451 Scientific Understanding
- HPSC-X 452 Modern Philosophy of Science
- POLS-Y 313 Environmental Policy
- SPEA-E 324 Controversies in Environmental Health
- SPEA-E 332 Introduction to Applied Ecology
- SPEA-E 363 Environmental Management
- SPEA-E 422 Urban Forest Management
- SPEA-E 440 Wetlands: Biology and Regulation
- SPEA-E 456 Lake and Watershed Management
- SPEA-E 457 Introduction to Conservation Biology
- SPEA-E 460 Fisheries and Wildlife Management
- SPH-N 336 Community Nutrition
- SPH-O 305 Integrated Resource Management
- SPH-O 310 Ecosystem Management
- SPH-O 343 Fundamentals of Sustainable Agriculture
- SPH-O 410 Human Health and Natural Environments

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## **List C-Skills/Research Methods Courses**

### **GROUP I: Communication, Data Collection and Analysis Courses**

#### **COMMUNICATION**

- BIOL-L 322 Writing Workshop in Biology
- BUS-W 316 Sustainable Business Reports
- CMCL-C 212 Communicating Sustainability
- CMCL-C 435 Documentary Filmmaking
- ENG-W 311 Writing Creative Nonfiction
- ENG-W 321 Advanced Technical Writing
- ENG-W 350 Advanced Expository Writing
- JOUR-C 327 Writing for Publication
- SPEA-E 311 Introduction to Risk Assessment and Risk Communication

- SPEA-E 332 Introduction to Applied Ecology
- SPEA-E 412 Risk Communication
- TEL-T 351 Video Field and Post Production

### **DATA COLLECTION AND ANALYSIS**

- ANTH-E 302 Laboratory in Ethnography
- ANTH-E 423 Life Histories
- ANTH-E 485 Art and Craft of Ethnography
- BIOL-L 473 Ecology
- CMCL-C 318 Ethnography as Cultural Critique
- ECON-E 370 Statistical Analysis for Business and Economics
- GEOG-G 336 Remote Sensing
- GEOG-G 338 Geographic Information Science
- GEOG-G 350 Field Methods in Physical Geography
- GEOG-G 388 Qualitative Methods
- GEOG-G 433 Advanced Synoptic Meteorology and Climatology
- GEOG-G 488 Applied Spatial Statistics
- GEOL-G 451 Principles of Hydrogeology
- POLS-Y 395 Quantitative Political Analysis
- SOC-S 370 Research Methods in Sociology
- SOC-S 371 Statistics for Sociology
- SPEA-E 311 Introduction to Risk Assessment and Risk Communication
- SPEA-E 418 Vector-Based GIS
- SPEA-E 419 Applied Remote Sensing of the Environment
- SPEA-E 426 Applied Mathematics for Environmental Science
- SPEA-E 442 Habitat Analysis—Terrestrial
- SPEA-E 443 Habitat Analysis—Aquatic
- SPEA-K 300 Statistical Techniques
- STAT-S 320 Introduction to Statistics

### **GROUP II: ENVIRONMENTAL SCIENCE COURSES**

- BIOL-L 111 Foundations of Biology: Diversity, Evolution, and Ecology
- BIOL-L 350 Environmental Biology
- GEOG-G 107 Physical Systems of the Environment
- GEOG-G 109 Weather and Climate
- GEOL-G 111 Physical Geology
- GEOL-G 118 Sustainability in Water Resources
- GEOL-G 122 Introduction to Atmospheric Science: Weather and Climate
- GEOL-G 131 Oceans and Our Global Environment
- GEOL-G 225 Earth Materials
- GEOL-G 302 Development and Global Environment
- SPEA-E 272 Introduction to Environmental Sciences

### **GROUP III: ECONOMICS COURSES**

- BUS-G 316 Sustainable Enterprise
- BUS-G 456 Non-Market Risk Consulting
- BUS-L 302 Sustainability Law and Policy
- BUS-P 316 Sustainable Operations
- ECON-E 201 Introduction to Microeconomics
- ECON-E 321 Intermediate Microeconomic Theory
- ECON-E 364 Environment and Resource Economics
- GEOG-G 448 Capitalism and Nature
- SPEA-E 340 Environmental Economics and Finance
- SPEA-V 361 Financial Management

- SPEA-V 362 Nonprofit Management & Leadership
- SPEA-V 372 Government Finance & Budgets
- SPEA-V 401 Financial and Cost Benefit Analysis

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## **Sustainable Food Systems Concentration Courses**

***Students must complete two of the following three courses below.***

### *Anthropology*

- ANTH-E 421 Food and Culture

### *Geography*

- GEOG-G 478 Global Change, Food, and Farming Systems

### *Political Science*

- POLS-Y 200 Contemporary Political Topics  
(Approved topic: The Politics of What's for Dinner)

***Elective Courses: Students must select two courses from the following list.***

### *Anthropology*

- ANTH-A 200 Topics in Anthropology of Culture and Society (Approved topic: Bizarre Foods)
- ANTH-A 211 Anthropology Topics in the Natural and Mathematical Sciences (Approved topic: Anthropology of Hunger)
- ANTH-A 221 Anthropology of Food
- ANTH-P 375 Food in the Ancient World
- ANTH-P 380 Prehistoric Diet and Nutrition
- ANTH-E 421 Food and Culture
- ANTH-E 426 Coffee Culture, Production and Markets

### *Geography*

- GEOG-G 306 The Geography of Current Issues  
(Approved topic: Geography of Food)
- GEOG-G 369 The Geography of Food
- GEOG-G 478 Global Change, Food, and Farming Systems

### *Latin American and Caribbean Studies*

- LTAM-L 426 Special Topics in Latin American and Caribbean Studies (Approved topic: Roots, Fruits, and Jamaican Ecologies)

### *Political Science*

- POLS-Y 200 Contemporary Political Topics  
(Approved topic: The Politics of What's for Dinner)

### *Public and Environmental Affairs, School of*

- SPEA-E 400 Topics in Environmental Studies  
(Approved topic: Farming the City: Global Perspectives on Urban Agriculture and Food Security)

### *Public Health, School of*

- SPH-N 220 Nutrition for Health

- SPH-N 321 Quantity Food Purchasing and Production
- SPH-N 336 Community Nutrition

Return to requirements for the Major in Environmental and Sustainability Studies

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## Sustainable Energy and Resources Concentration Courses

**Students must select two courses from the following list and two courses from the list of elective courses.**

### Geography

- GEOG-G 411 Sustainable Development Systems
- GEOG-G 451 Water Resources
- GEOG-G 461 Human Dimensions of Global Environmental Change

### Geological Sciences

- GEOL-G 328 Energy, Resources, and the Environment
- GEOL-G 448 Sustainable Energy Systems
- GEOL-G 476 Climate Change Science

### Physics

- PHYS-P 310 Environmental Physics

### Public and Environmental Affairs, School of

- SPEA-E 401 Human Behavior and Energy Consumption
- SPEA-E 476 Environmental Law and Regulation

**Elective Courses: Students must select two courses from the following list.**

### Anthropology

- ANTH-E 328 Ecological Anthropology
- ANTH-E 418 Globalization and Consumer Culture
- ANTH-E 444 People and Protected Areas

### Apparel Merchandise and Interior Design

- AMID-R 416 Sustainability in Product Design

### Biology

- BIOL-L 350 Environmental Biology
- BIOL-L 473 Ecology

### Business, Kelley School of

- BUS-L 302 Sustainability Law and Policy
- BUS-G 316 Sustainable Enterprise

### Central Eurasian Studies

- CEUS-R 394 Environmental Problems and Social Constraints in Northern and Central Eurasia

### Chemistry

- CHEM-A 314 Biological and Environmental Chemical Analysis

### Criminal Justice

- CJUS-P 401 Environmental Justice

### Geography

- GEOG-G 305 Environmental Change—Nature and Impact
- GEOG-G 307 Biogeography: Distribution of Life
- GEOG-G 341 Ecological Restoration: Science and Politics
- GEOG-G 411 Sustainable Development Systems
- GEOG-G 444 Climate Change Impacts
- GEOG-G 448 Capitalism and Nature
- GEOG-G 451 Water Resources
- GEOG-G 453 Water and Society
- GEOG-G 461 Human Dimensions of Global Environmental Change
- GEOG-G 463 Environmental Politics of South Asia

### Geological Sciences

- GEOL-G 341 Natural History of Coral Reefs
- GEOL-G 416 Economic Geology
- GEOL-G 448 Sustainable Energy Systems
- GEOL-G 451 Principles of Hydrogeology
- GEOL-G 476 Climate Change Science

### History

- HIST-W 300 Issues in World History (Approved topic: Global Environmental History)

### Labor Studies

- LSTU-L 390 Topics in Labor Studies (Approved topic: Jobs and the Environment)

### Physics

- PHYS-P 310 Environmental Physics

### Political Science

- POLS-Y 313 Environmental Policy

### Public and Environmental Affairs, School of

- SPEA-E 311 Introduction to Risk Assessment and Communication
- SPEA-E 332 Introduction to Applied Ecology
- SPEA-E 340 Environmental Economics and Finance
- SPEA-E 363 Environmental Management
- SPEA-E 400 Topics in Environmental Studies, Approved topics below
  - The Foundations of LEED (Leadership in Energy and Environmental Design)
  - Environmental Sustainability
  - Biological Assessment and Criteria
  - Environmental Topics: Farming the City
  - Environmental Topics: Radiological Hazard Management
  - E 400/V450 Leadership and Creativity in Environmental Policy
- SPEA-E 422 Urban Forest Management
- SPEA-E 426 Applied Mathematics for Environmental Science
- SPEA-E 431 Water Supply and Wastewater Treatment
- SPEA-E 451 Air Pollution and Control
- SPEA-E 452 Solid and Hazardous Waste Management

- SPEA-E 456 Lake and Watershed Management
- SPEA-E 460 Fisheries Wildlife and Management
- SPEA-E 476 Environmental Law and Regulation
- SPEA-H 316 Environmental Health Science
- SPEA-V 450 Contemporary Issues in Public Affairs, Approved topics below:
  - Public Transit Management
  - Community Development
  - Climate Change and Electricity
- SPEA-V 462 Community Development

*Public Health, School of*

- SPH-O 310 Ecosystem Management
- SPH-T 301 Sustainable Tourism
- SPH-R 355 Outdoor Recreation Consortium
- SPH-R 385 Wilderness and Protected Lands
- SPH-R 429 Ecotourism: Administration and Management

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## Environmental Ethics and Justice Concentration Courses

**Required Core Courses:** Students must complete both courses.

*International Studies*

- INTL-I 302 Advanced Topics in Global Health and Environment (Approved topic: Environmental Justice)

*Public Health, School of*

- SPH-O 360 Human Health and Natural Environments

**Elective Courses:** Students must select two courses from the following list.

*Anthropology*

- ANTH-E 328 Ecological Anthropology
- ANTH-E 424 People and Protected Areas

*Biology*

- BIOL-L 222 The City as Ecosystem

*Communication and Culture*

- CMCL-C 212 Communicating Sustainability
- CMCL-C 348 Environmental Communications

*English*

- ENG-L 208 Topics in English and American Literature and Culture (Approved topic: The Literary and Legal Animal)

*Geography*

- GEOG-G 315 Environmental Conservation
- GEOG-G 448 Capitalism and Nature
- GEOG-G 449 Political Ecology

- GEOG-G 461 Human Dimensions of Global Environmental Change
- GEOG-G 463 Environmental Politics of South Asia

*History and Philosophy of Science and Medicine*

- HPSC-X 220 Issues in Science: Humanistic (Approved topic: Arborescence: Keeping Trees in Mind)

*International Studies*

- INTL-I 202 Global Health and Environment

*Religious Studies*

- REL-D 250 Religion, Ecology, and the Self
- REL-R 202 Topics in Religious Studies (Approved topic: Religion and Animals)
- REL-R 300 Studies in Religion (Approved topic: Religion, Ethics, and the Global Environmental Crisis)

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## Biodiversity and Sustainability Concentration Courses

**Required Core Courses**

1. BIOL-L 350 Environmental Biology
2. One of the following two courses: GEOG-G 315 Environmental Conservation or SPEA-E 457 Introduction to Conservation Biology
3. One of the following options: BIOL-L 479 Evolution and Ecology, or both BIOL-L 473 Ecology and BIOL-L 318 Evolution

**Elective Courses:** Students must select one course from the following list.

*Anthropology*

- ANTH-E 328 Ecological Anthropology
- ANTH-E 444 People and Protected Areas: Theories of Conservation

*Biology*

- BIOL-B 300 Vascular Plants
- BIOL-B 351 Fungi
- BIOL-B 364 Summer Flowering Plants
- BIOL-B 368 Ethnobotany
- BIOL-B 371 Ecological Plant Physiology
- BIOL-L 318 Evolution
- BIOL-L 369 Heredity Evolution and Society
- BIOL-L 376 Biology of Birds
- BIOL-L 433 Tropical Biology
- BIOL-L 472 Microbial Ecology
- BIOL-Z 373 Entomology
- BIOL-Z 374 Invertebrate Zoology
- BIOL-Z 406 Vertebrate Zoology
- BIOL-Z 460 Animal Behavior
- BIOL-Z 476 Biology of Fishes

*Geography*

- GEOG-G 307 Biogeography
- GEOG-G 341 Ecological Restoration: Science and Politics
- GEOG-G 451 Water Resources
- GEOG-G 461 Human Dimensions of Global Environmental Change

#### *Geological Sciences*

- GEOL-G 308 Paleontology and Geology of Indiana
- GEOL-G 341 Natural History of Coral Reefs
- GEOL-G 415 Principles of Geomorphology
- GEOL-G 429 Field Geology in the Rocky Mountains
- GEOL-G 432 Geology, Hydrology and Geochemistry in the Rocky Mountains
- GEOL-G 451 Principles of Hydrogeology

#### *History and Philosophy of Science and Medicine*

- HPSC-X 220 Issues in Science: Humanistic (Approved topic: Arborescence: Keeping Trees in Mind)

#### *Public and Environmental Affairs, School of*

- SPEA-E 332 Introduction to Applied Ecology
- SPEA-E 363 Environmental Management
- SPEA-E 422 Urban Forest Management
- SPEA-E 456 Lake and Watershed Management
- SPEA-E 460 Fisheries and Wildlife and Management
- SPEA-E 476 Environmental Law and Regulation

#### *Public Health, School of*

- SPH-O 310 Ecosystem Management
- SPH-R 385 Wilderness and Protected Lands
- SPH-T 301 Sustainable Tourism

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## **Sustainability Individualized Program Concentration**

In some cases, students may find new and innovative sustainability dimensions that do not fit the existing concentration areas. To accommodate these cases, students should discuss with the program director individualized courses of study to pursue the Environmental and Sustainability Studies (ESS) B.A. degree or the ESS minor. After this discussion, students are responsible for composing a proposal for a Sustainability Individualized Program (SIP), which must be approved by the program director. Students pursuing the SIP option are required to fulfill the core requirements of the Environmental and Sustainability Studies degree program.

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## **Minor in Environmental and Sustainability Studies**

The curriculum of the Environmental and Sustainability Studies minor combines introductory course work with classes on environmental systems and research methods and techniques, and students then choose one of five concentrations.

Students must complete at least 18 credit hours in Environmental and Sustainability Studies course work, including the following:

1. One introductory sustainability course (3 cr.) chosen from List A.
2. An upper-level Human-Environment Systems Training Course chosen from List B.
3. A minimum of twelve credit hours in one concentration. Concentration Areas are:
  - Sustainable Food Systems
  - Sustainable Energy and Resources
  - Environmental Ethics and Justice
  - Biodiversity and Sustainability
  - Sustainability Individualized Program
4. At least 9 credit hours in the minor must be completed at the 300 or 400 level.
5. At least 9 credit hours must be completed on the Bloomington campus.

**Note:** Students pursuing the Bachelor of Science in Environmental Science are not eligible to earn the minor.

## **Environmental Science**

### **Introduction**

The B.S. in Environmental Science (B.S.E.S.) and minor in Environmental Science are joint degree programs offered jointly by the College of Arts and Sciences and the School of Public and Environmental Affairs. The interdisciplinary B.S.E.S. program considers the environment as a scientific entity. Students preparing for professional employment or graduate study in environmental science or in one of the traditional sciences should consider this degree.

While it is possible to divide environmental science into numerous subdisciplines or systems such as the atmosphere, the biosphere, the hydrosphere, and the lithosphere, these subsystems are interdependent components of a single large system. It follows that the problems encountered in the environmental sciences are inherently interdisciplinary; hence, a scientist working in this field is required to possess both a breadth of knowledge and a specific set of skills and expertise. The overall organization of the B.S.E.S. degree program reflects this philosophy with a broad core curriculum. Opportunities area also available for research projects that provide advanced hands-on experience. The minor in Environmental Science provides an interdisciplinary, science-focused course of study for students with an interest in the environment, who are pursuing other primary majors.

## Contact Information

Environmental Science  
Undergraduate Program Office, Room 240  
1315 E. Tenth St.  
Bloomington, IN 47405  
(812) 855-0563  
[speaugrd@indiana.edu](mailto:speaugrd@indiana.edu)

<http://www.indiana.edu/~bses/index.html>

## Faculty

### Director

- Todd V. Royer (Public and Environmental Affairs)

### Provost Professors

- Lisa Pratt (Geological Sciences)
- Sara Pryor (Geological Sciences)

### Distinguished Professors

- Keith Clay (Biology)
- Gary Hieftje (Robert and Marjorie Mann Chair, Chemistry)
- Ronald Hites (Public and Environmental Affairs, Chemistry)
- Ellen Ketterson (Biology, Gender Studies)

### Professors

- Rebecca Barthelmie (Geological Sciences)
- James Bever (Biology)
- Simon Brassell (Geological Sciences)
- Christopher Craft (Public and Environmental Affairs)
- Tom Evans (Geography)
- Scott Robeson (Geography)
- Philip Stevens (Public and Environmental Affairs)
- Maxine Watson (Biology)
- Jeffrey White (Public and Environmental Affairs)
- Chen Zhu (Geological Sciences)

### Associate Professors

- Spencer Hall (Biology)
- Diane Henshel (Public and Environmental Affairs)
- Claudia Johnson (Geological Sciences)
- Jay T. Lennon (Biology)
- Vicky J. Meretsky (Public and Environmental Affairs)
- Greg Olyphant (Geological Sciences)
- Richard Phillips (Biology)
- Flynn Picardal (Public and Environmental Affairs)
- P. David Polly (Geological Sciences)
- Heather Reynolds (Biology)
- Joseph Shaw (Public and Environmental Affairs)

### Assistant Professors

- Rinku Roy Chowdhury (Geography)
- Douglas Edmonds (Geological Sciences)
- Justin Maxwell (Geography)
- Kimberly A. Novick (Public and Environmental Affairs)
- Jonathan Raff (Public and Environmental Affairs)
- Adam Ward (Public and Environmental Affairs)
- Laura Wasylewski (Geological Sciences)

### Clinical Professors

- Burnell C. Fischer (Public and Environmental Affairs)

### Clinical Associate Professor

- Michael Edwards (Public and Environmental Affairs)
- Marc L. Lame (Public and Environmental Affairs)

### Senior Lecturer

- Bruce Douglas (Geological Sciences)

### Lecturer

- Melissa Clark (Public and Environmental Affairs)

### Assistant Scientists

- Erika Elswick (Geological Sciences)
- Peter Sauer (Geological Sciences)
- Marta Venier (Public and Environmental Affairs)

### Professors Emeriti

- Bennet Brabson (Physics)
- Hendrik Haitjema (Public and Environmental Affairs)
- Emílio Moran (Anthropology)
- David Parkhurst (Public and Environmental Affairs)
- J. C. Randolph (Public and Environmental Affairs)

### Academic Advising

- Carlin C. Schrag, Geology Building 109, (812) 855-2391

## Environmental Science—B.S.

### Purpose

The B.S. in Environmental Science (BSES) is designed to provide a scientific background with both breadth and depth to prepare students for professional science-related employment and for advanced study at the graduate level. Students must complete a set of Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, and Public Oral Communication requirements, a core curriculum, and a field experience requirement.

### Required Courses

#### I. General Education and College of Arts and Sciences Requirements (29-30 credit hours)

- English Composition: one course (3 cr.) from the approved list; BSES students are encouraged to take ENG-W131 Elementary Composition (3 cr.)
- Mathematical Modeling: satisfied by either MATH-M211 or MATH-M119 (required below)
- Natural and Mathematical Sciences: satisfied by the requirements below
- World Languages and Cultures: a minimum of 6 credit hours of General Education-approved foreign language courses or demonstrated proficiency in an approved foreign language.
- Arts and Humanities: 6 credit hours of General Education-approved A&H courses.
- Social and Historical Studies: 6 credit hours of General Education-approved courses. BSES students are encouraged to consider the following courses: SPEA-V220 Law and Public Affairs (3 cr.), CMCL-C212 Communicating Sustainability (3 cr.), ECON-E201 Introduction to Microeconomics (3 cr.), and ECON-E202 Introduction to Macroeconomics (3 cr.).
- Critical Approaches: 3 credit hours. Any student who is a candidate for a Bachelor's degree offered by the College of Arts and Sciences is required

- to complete one Critical Approaches to the Arts and Sciences (CAPP) course on the Bloomington campus. Students are encouraged to take this course in their first year or no later than the first semester of their second year. For a listing of all courses that can satisfy the CAPP requirement, please use the CASE Designations search tool in this *Bulletin*.
8. Public Oral Communication: 3 credit hours, satisfied by completing COLL-P 155 (required below).

## **II. BSES Foundation Courses**

Mathematics, Statistics, and Computation (12-15 credit hours, depending on course selections)

1. MATH-M211 Calculus I (4 cr.), or MATH-M119 Brief Survey of Calculus I (3 cr.) and MATH-M120 Brief Survey of Calculus II (3 cr.)
2. SPEA-K300 Statistical Techniques (3 cr.) or STAT-K310 Statistical Techniques (3 cr.) or MATH-K310 Statistical Techniques (3 cr.)
3. GEOG-G250 Computing in the Geospatial Sciences (3 cr.) or SPEA-E325 Computing for Environmental Scientists (2 cr.)
4. Select at least one course from the following list:
  - MATH-M212 Calculus II (4 cr.)
  - MATH-M343 Introduction to Differential Equations with Applications I (3 cr.)
  - MATH-M365 Introduction to Probability and Statistics (3 cr.)
  - SPEA-E426 Applied Math for Environmental Science (3 cr.)
  - GEOG-G488 Applied Spatial Statistics (3 cr.)
  - CSCI-A321 Computing Tools for Scientific Research (4 cr.)

Note: Students interested in physical sciences, such as hydrology or atmospheric modeling, should take both MATH-M212 and MATH-M343.

## **Chemistry (10-11 cr.)**

1. CHEM-C 117 Fundamentals of Chemistry and Biochemistry (3 cr.) and CHEM-C 127 Fundamentals of Chemistry and Biochemistry Laboratory (2 cr.)
2. CHEM-C 341 Organic Chemistry I Lectures (3 cr.) or CHEM-R 340 Survey of Organic Chemistry. Note: Students considering a minor in chemistry should take CHEM-C 341.
3. Select one of the following:
  - CHEM-A 314 Biological and Environmental Chemical Analysis (2 cr.)
  - CHEM-C 342 Organic Chemistry II Lectures (3 cr.)
  - SPEA-E 464 Organic Pollutants: Environmental Chemistry and Fate (3 cr.)
  - GEOL-G 444 Methods in Analytical Geochemistry (2 cr.)

## **Biology (6 cr.)**

1. BIOL-L 111 Foundations of Biology: Evolution and Diversity (3 cr.)
2. BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.)

## **Physics (10 cr.)**

Select one of the following sequences:

1. PHYS-P 201 General Physics I (5 cr.) and PHYS-P 202 General Physics II (5 cr.)
2. PHYS-P 221 Physics I (5 cr.) and PHYS-P 222 Physics II (5 cr.)

## **Communication (9 cr.)**

1. ENG-W 231 Professional Writing Skills (3 cr.) or ENG-W 240 Community Service Writing (3 cr.) or ENG-W 270 Argumentative Writing (3 cr.)
2. COLL-P 155 Public Oral Communication (3 cr.)
3. An additional course to satisfy the College of Arts and Sciences Intensive Writing Requirement. This requirement applies to all BSES students. For a current list of Intensive Writing courses, use the CASE Designations search tool.

## **III. Environmental Science Courses (30 cr.)**

1. One of the following courses:
  - BIOL-L 222 The City as Ecosystem (3 cr.)
  - GEOG-G 107 Physical Systems of the Environment (3 cr.)
  - GEOG-G 208 Environment and Society (3 cr.)
  - GEOL-G 171 Environmental Geology (3 cr.)
  - SPEA-E 272 Introduction to Environmental Science (3 cr.)
2. Additional courses from the following list that total at least 27 credit hours. Students are strongly encouraged to select courses in consultation with an academic advisor or environmental science faculty member.
  - BIOL-B 371 Ecological Plant Physiology (3 cr.)
  - BIOL-L 211 Molecular Biology (3 cr.)
  - BIOL-L 307 Biodiversity (3 cr.)
  - BIOL-L 311 Genetics (3 cr.)
  - BIOL-L 318 Evolution (3 cr.)
  - BIOL-L 319 Genetics Laboratory (3 cr.)
  - BIOL-L 376 Biology of Birds (4 cr.)
  - BIOL-L 465 Advanced Field Biology (3 cr.)
  - BIOL-L 472 Microbial Ecology (3 cr.)
  - BIOL-L 473 Ecology (3 cr.)
  - BIOL-L 474 Field and Laboratory Ecology (2 cr.)
  - BIOL-M 250 Microbiology (3 cr.)
  - BIOL-M 315 Microbiology Laboratory (2 cr.)
  - BIOL-M 465 Environmental Microbiology Laboratory (3 cr.)
  - BIOL-Z 374 Invertebrate Zoology (3 cr.)
  - BIOL-Z 375 Invertebrate Zoology Laboratory (2 cr.)
  - BIOL-Z 476 Biology of Fishes (3 cr.)
  - CHEM-A 314 Biological and Environmental Chemical Analysis (2 cr.)
  - CHEM-A 315 Chemical Measurements Laboratory (2 cr.)
  - CHEM-A 316 Bioanalytical Chemistry Laboratory (2 cr.)
  - CHEM-C 317 Equilibria and Electrochemistry (2 cr.)
  - CHEM-C 318 Spectrochemistry and Separations (2 cr.)

- GEOG-G 304 Physical Climatology (3 cr.)
- GEOG-G 305 Environmental Change – Nature and Impact (3 cr.)
- GEOG-G 307 Biogeography: The Distribution of Life (3 cr.)
- GEOG-G 336 Environmental Remote Sensing (3 cr.) or SPEA-E 419 Applied Remote Sensing of the Environment (3 cr.)
- GEOG-G 338 Geographic Information Science (3 cr.) or SPEA-E 418 Vector-based GIS (3 cr.)
- GEOG-G 341 Ecological Restoration: Science and Politics (3 cr.)
- GEOG-G 350 Field Methods in Physical Geography (3 cr.)
- GEOG-G 405 Ecological Climatology (3 cr.)
- GEOG-G 436 Advanced Remote Sensing: Digital Image Processing (3 cr.)
- GEOG-G 438 Advanced Geographic Information Science (3 cr.)
- GEOG-G 444 Climate Change Impacts (3 cr.)
- GEOG-G 451 Water Resources (3 cr.)
- GEOG-G 477 Topics in Climatology (3 cr.)
- GEOG-G 488 Applied Spatial Statistics (3 cr.)
- GEOG-G 489 Advanced Geospatial Data Analysis (3 cr.)
- GEOL-G 225 Earth Materials (4 cr.)
- GEOL-G 316 Mineral Fuels and Materials (3 cr.)
- GEOL-G 328 Energy, Resources, and the Environment (3 cr.)
- GEOL-G 334 Principles of Sedimentology and Stratigraphy (4 cr.)
- GEOL-G 339 Weather Analysis and Forecasting (3 cr.)
- GEOL-G 341 Natural History of Coral Reefs (3 cr.)
- GEOL-G 347 Instrumentation for Atmospheric Science (3 cr.)
- GEOL-G 351 Elements of Hydrology (3 cr.)
- GEOL-G 364 Dynamic Meteorology: Boundary-Layer Meteorology (3 cr.)
- GEOL-G 406 Introduction to Geochemistry (3 cr.)
- GEOL-G 413 Introduction to Geophysics (3 cr.)
- GEOL-G 415 Principles of Geomorphology (3 cr.)
- GEOL-G 423 Methods in Applied Geophysics (4 cr.)
- GEOL-G 438 Air Pollution Meteorology (3 cr.)
- GEOL-G 444 Methods in Analytical Geochemistry (1-2 cr.)
- GEOL-G 451 Principles of Hydrogeology (3 cr.)
- PHYS-P 310 Environmental Physics (3 cr.)
- PHYS-P 317 Signals and Information Processing in Living Systems (3 cr.)
- SPEA-E 400 Topics in Environmental Studies (Approved topic: Plants and Plant Communities) (3 cr.)
- SPEA-E 410 Introduction to Environmental Toxicology (3 cr.)
- SPEA-E 411 Introduction to Groundwater Hydrology (3 cr.)
- SPEA-E 426 Applied Math for Environmental Science (3 cr.)
- SPEA-E 431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA-E 440 Wetlands: Biology and Regulation (3 cr.)
- SPEA-E 442 Habitat Analysis—Terrestrial (3 cr.)
- SPEA-E 443 Habitat Analysis—Aquatic (3 cr.)
- SPEA-E 451 Air Pollution and Control (3 cr.)
- SPEA-E 455 Limnology (4 cr.)
- SPEA-E 457 Introduction to Conservation Biology (3 cr.)
- SPEA-E 460 Fisheries and Wildlife Management (3 cr.)
- SPEA-E 461 Fisheries and Wildlife Management Laboratory (3 cr.)
- SPEA-E 464 Organic Pollutants: Environmental Chemistry and Fate (3 cr.)
- SPEA-E 490 Directed Research in Environmental Science (1-4 cr.) or BIOL-L 490 Individual Study (1-4 cr.) or GEOG-G 450 Undergraduate Research in Geography (1-3 cr.), or GEOL-G 410 Undergraduate Research in Geology (1-6 cr.). BSES students are encouraged to pursue independent research, however no more than 6 credits total of SPEA-E490, BIOL-L490, GEOG-G450, or GEOL-G410 may be used to satisfy the 27 credit hours of environmental science course work
- Or other courses in environmental science approved by the BSES Program Chair

#### **IV. Field Experience Requirement (5-6 cr.)**

Select one of the following options:

1. GEOL-G 329 Introductory Field Experience in Environmental Science (6 cr.), or GEOL-G 433 Geology, Hydrology, and Geochemistry (6 cr.), or comparable course work at an approved biological field station

Note that GEOL-G 329 and GEOL-G 433 are held at the Geologic Field Station in Montana and are typically taken after the sophomore or junior year. Students interested in attending a biological field station should consult the BSES Program Chair prior to attending the field station.

2. Two of the following courses:

- BIOL-L 465 Advanced Field Biology (3 cr.)
- GEOG-G 350 Field Methods in Physical Geography (3 cr.)
- SPEA-E 400 Topics in Environmental Studies (Approved topic: Plants and Plant Communities) (3 cr.)
- SPEA-E 442 Habitat Analysis-Terrestrial (3 cr.)
- SPEA-E 443 Habitat Analysis-Aquatic (3 cr.)

Courses used to satisfy the Field Experience Requirement cannot be used to satisfy any other degree requirement.

#### **V. Electives**

Sufficient additional courses to reach a total of 120 credit hours. Students are encouraged to pursue a minor, certificate, or second major in a biological, physical, or

social science field that complements the interdisciplinary training provided by the B.S. in Environmental Science.

## Minor in Environmental Science

Students must complete at least 15 credit hours of course work, including

1. An introductory course. Students must complete one of the following options:
  - GEOG-G 208 Environment and Society (3 cr.)
  - SPEA-E 272 Introduction to Environmental Sciences (3 cr.)
2. An additional 12 credit hours of elective courses, with at least 9 credit hours at the 300-400 level, chosen from the following list:
  - BIOL-M 250 Microbiology (3 cr.)
  - BIOL-L 350 Environmental Biology (3 cr.)
  - BIOL-B 371 Ecological Plant Physiology (3 cr.)
  - BIOL-L 376 Biology of Birds (4 cr.)
  - BIOL-L 465 Advanced Field Biology (3 cr.)
  - BIOL-L 472 Microbial Ecology (3 cr.)
  - BIOL-L 473 Ecology (3 cr.)
  - BIOL-L 474 Field and Laboratory Ecology (2 cr.)
  - CHEM-A 314 Biological and Environmental Chemical Analysis (2 cr.) or CHEM-C 318 Spectrochemistry and Separations (2 cr.)
  - CHEM-A 316 Bioanalytical Chemistry Laboratory (2 cr.) or CHEM-A 315 Chemical Measurements Laboratory (2 cr.)
  - GEOG-G 250 Computing in the Geospatial Sciences (3 cr.)
  - GEOG-G 304 Physical Climatology (3 cr.)
  - GEOG-G 305 Environmental Change—Nature and Impact (3 cr.)
  - GEOG-G 307 Biogeography: The Distribution of Life (3 cr.)
  - GEOG-G 350 Field Methods in Physical Geography (3 cr.)
  - GEOG-G 405 Ecological Climatology (3 cr.)
  - GEOG-G 444 Climate Change Impacts (3 cr.)
  - GEOG-G 451 Water Resources (3 cr.)
  - GEOG-G 477 Topics in Climatology (3 cr.)
  - GEOL-G 225 Earth Materials (4 cr.)
  - GEOL-G 316 Mineral Fuels and Materials (3 cr.)
  - GEOL-G 328 Energy, Resources, and the Environment (3 cr.)
  - GEOL-G 339 Weather Analysis and Forecasting (3 cr.)
  - GEOL-G 341 Natural History of Coral Reefs (3 cr.)
  - GEOL-G 347 Instrumentation for Atmospheric Sciences (3 cr.)
  - GEOL-G 351 Elements of Hydrology (3 cr.)
  - GEOL-G 364 Dynamic Meteorology: Boundary-Layer Meteorology (3 cr.)
  - GEOL-G 406 Introduction to Geochemistry (3 cr.)
  - GEOL-G 413 Introduction to Geophysics (3 cr.)
  - GEOL-G 415 Principles of Geomorphology (3 cr.)
  - GEOL-G 444 Methods in Analytical Geochemistry (1-2 cr.)
  - GEOL-G 451 Principles of Hydrogeology (3 cr.)
  - PHYS-P 310 Environmental Physics (3 cr.)
  - SPEA-E 325 Computing for Environmental Scientists (2 cr.)
  - SPEA-E 410 Introduction to Environmental Toxicology (3 cr.)
  - SPEA-E 411 Introduction to Groundwater Hydrology (3 cr.)
  - SPEA-E 426 Applied Math for Environmental Science (3 cr.)
  - SPEA-E 431 Water Supply and Wastewater Treatment (3 cr.)
  - SPEA-E 440 Wetlands: Biology and Regulation (3 cr.)
  - SPEA-E 442 Habitat Analysis—Terrestrial (3 cr.)
  - SPEA-E 443 Habitat Analysis—Aquatic (3 cr.)
  - SPEA-E 451 Air Pollution and Control (3 cr.)
  - SPEA-E 455 Limnology (4 cr.)
  - SPEA-E 457 Introduction to Conservation Biology (3 cr.)
  - SPEA-E 460 Fisheries and Wildlife Management (3 cr.)
  - SPEA-E 464 Organic Pollutants: Environment, Chemistry and Fate (3 cr.)
  - Or other courses approved by the BSES Program Committee
3. No more than two courses may be double-counted between the student's major and the Environmental Science minor.
4. A GPA of at least 2.000 is required, with no course grade lower than C–.

## Honors

Students eligible for the honors program must maintain a minimum overall grade point average of 3.300 and a 3.500 grade point average in the core and concentration portion of the B.S.E.S. degree requirements. Honors students are encouraged to enroll in departmental courses and sections intended for honors students. The senior research project, including the written thesis and oral presentation compose the heart of the honors requirements. In addition, honors students are expected to participate in special courses and seminars. Further information regarding this program and a complete listing of requirements may be obtained from the program director or the honors advisor.

## European Studies, Institute for

### Introduction

The Institute for European Studies (EURO), a program in the College of Arts and Sciences, offers interdisciplinary programs that combine courses in the social sciences, humanities, and languages to give students a broad understanding of the countries of Europe and the European Union. The program offers a certificate and two undergraduate minors: the European Studies certificate and minor and the European Union Studies minor. All

three credentials combine core courses with elective courses from other departments and schools.

Some courses to fulfill the certificate and minors are listed under "Institute for European Studies"; others are offered through various departments. Students may combine two of these credentials but they must be completed with a distinct set of courses. Students must meet with the Institute for European Studies academic advisor to apply for the certificate and minors and to work out the course plan.

The Institute for European Studies is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

### Contact Information

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## Faculty

### Director

- Timothy Hellwig (Political Science)

### Distinguished Professor

- David Audretsch (School of Public and Environmental Affairs)

### Provost Professor

- Stephen Watt (English)

### Ameritech Endowed Chair

- David B. Audretsch (School of Public and Environmental Affairs)

### Roscoe C. O'Byrne Chair and Director of the Institute for Advanced Study

- Alfred Aman (Maurer School of Law)

### John E. Schiller Chair in Legal Ethics

- Hannah Buxbaum

### James Louis Calamaras Professor of Law

- David P. Fidler (Maurer School of Law)

### Irving M. Glazer Chair in Jewish Studies

- Alvin H. Rosenfeld

### Professors

- Joëlle Bahloul (Anthropology, Jewish Studies)
- Domenico Bertoloni Meli (History and Philosophy of Science and Medicine)
- Claudia Breger (Germanic Studies)
- Fritz Breithaupt (Germanic Studies)

- Linda Charnes (English)
- Andrea Ciccarelli (French and Italian)
- J. Clancy Clements (Linguistics, Spanish and Portuguese)
- Michelle Facos (History of Art)
- Jane Fulcher (Jacobs School of Music)
- Kari Gade (Germanic Studies)
- Kimberly Geeslin (Spanish and Portuguese)
- Gerhard Glomm (Economics)
- Kirstin Grønbjerg (School of Public and Environmental Affairs)
- David Hakken (School of Informatics and Computing)
- David Hertz (American Studies, Comparative Literature)
- Carl Ipsen (History)
- Eileen Julien (Comparative Literature, French and Italian)
- Dov-Ber Kerler (Germanic Studies)
- Daniel C. Knudsen (Geography)
- Catherine Larson (Spanish and Portuguese)
- Herbert Marks (Comparative Literature)
- Eric MacPhail (French and Italian)
- Rosemarie McGerr (Comparative Literature, Medieval Studies)
- Jacques Merceron (French and Italian)
- Emanuel Mickel (French and Italian)
- Richard Nash (English)
- William Rasch (Germanic Studies)
- Toivo U. Raun (Central Eurasian Studies)
- William Scheuerman (Political Science)
- Robert Schneider (History)
- Rex Sprouse (Germanic Studies)
- H. Wayne Storey (French and Italian, Medieval Studies)
- Lars Wilnat (Journalism)
- Lois R. Wise (School of Public and Environmental Affairs)

### Associate Professors

- Marco Arnaudo (French and Italian)
- Julie Auger (French and Italian)
- Aurelian Craiuțu (Political Science)
- Melissa Dinverno (Spanish and Portuguese)
- Lynn Duggan (Labor Studies)
- César Félix-Brasdefer (Spanish and Portuguese)
- Arthur Field (History)
- Shannon Gayk (English)
- Margaret Gray (French and Italian)
- Rae Greiner (English)
- Timothy Hellwig (Political Science)
- Owen V. Johnson (Journalism)
- Joan Pong Linton (English)
- Luise McCarty (School of Education)
- Patricia McManus (Sociology)
- Massimo Ossi (Jacobs School of Music)
- Oana Panaité (French and Italian)
- Benjamin Robinson (Germanic Studies)
- Julia Roos (History)
- Bret Rothstein (Fine Arts)
- Kevin Rottet (French and Italian)

- Massimo Scalabrini (French and Italian)
- Abdulkader Sinno (Political Science)
- Rebecca Spang (History)
- Margaret Sutton (School of Education)
- Johannes Türk (Germanic Studies)
- Steven Wagschal (Spanish and Portuguese)

#### Clinical Associate Professor

- Susanne Even (Germanic Studies)

#### Assistant Professors

- Edgar Illas (Spanish and Portuguese)
- Estela Vieira (Spanish and Portuguese)
- Reyes Vila-Belda (Spanish and Portuguese)

#### Senior Lecturers

- Troy Byler (Germanic Studies)
- Esther Ham (Germanic Studies)
- Cigdem Balim Harding (Near Eastern Languages and Cultures)
- Franklin Hess (Institute for European Studies)
- Gergana May (Germanic Studies)

#### Academic Advising

- [jeashcra@indiana.edu](mailto:jeashcra@indiana.edu), Owen Hall, (812) 855-4538

## Certificate in European Studies

#### Required Courses

Students must complete 24 credit hours of course work, including at least 9 credit hours at the 300–400 level and a minimum of 15 credit hours of courses within the College of Arts and Sciences.

1. Two Foundation Courses selected from Political Science, Geography, History and International Studies (6 cr.)
  - EURO-W 301 or POLS-Y 335 West European Politics (3 cr.)
  - EURO-W 405 or POLS-Y 350 Politics of the European Union (3 cr.)
  - EURO-W 405 or GEOG-G 428 Geography of Europe (3 cr.)
  - EURO-W 405 or HIST-B 303 Issues in Modern European History (3 cr.)
2. Two courses (such as EURO-W 405 and EURO-W406) with a regional focus on the same subregion of Europe (6 cr.)
3. Three elective courses in European Studies (9 cr.)
4. Completion of a capstone project (such as EURO-W475) directed by faculty (3 cr.)
5. Language Requirement: four semesters or equivalent proficiency in an approved European language, chosen either from a department-provided list or with the approval of the Director of the Institute for European Studies.

**Note:** Students may use a maximum of two 3-credit classes (6 cr.) from the certificate toward completion of requirements for any related major.

## Minor in European Studies

The minor in European Studies is intended to provide a broad understanding of the historical significance, social structure, political features, and cultural aspects of European countries. The minor requires 18 credit hours

of course work. Students must complete a minimum of 9 credit hours of upper-level (300–400) courses and maintain a GPA of at least 2.000 in fulfillment of all courses taken toward minor requirements. At least 9 credit hours of the minor must be completed on the Bloomington campus.

1. Two of the following Foundation course options:
  - EURO-W 301 or POLS-Y 335 West European Politics (3 cr.)
  - EURO-W 405 or POLS-Y 350 Politics of the European Union (3 cr.)
  - EURO-W 405 or GEOG-G 428 Geography of Europe (3 cr.)
  - EURO-W 405 or HIST-B 303 Issues in Modern European History (3 cr.)
2. Two courses (6 cr.), such as EURO-W 405 or EURO-W 406, with a regional focus on the same sub-region of Europe. One course must be an approved CASE S&H course; the other must be an approved CASE A&H course. The regional focus should be consistent with the language chosen to meet the language requirement (see item 4).
3. Two elective courses (6 cr.) in European Studies.
4. Six semesters (or equivalent proficiency) in an approved European language. Language courses do not count toward the required 18 credit hours for the minor.

A list of current cross-listed courses is available through the Institute for European Studies advisor.

## Minor in European Union Studies

#### Purpose

The European Union now spans from Western Europe to the Baltic Region, Eastern and Central Europe, and to Cyprus. The new Europe manifests itself in different ways—through integrated economic markets, Europe-wide elections, evolving political institutions, and emerging European identity. The European Union minor seeks to address these issues by equipping students with the analytical tools to deal with the "making of the European Union."

Students take one core course in each of three areas and 9 elective credits selected in consultation with the advisor to complete the minor. Students must meet with the Institute for European Studies academic advisor to apply for acceptance.

#### Required Courses

Students pursuing the minor in European Union Studies are required to complete 18 credit hours of course work to be distributed as follows. At least 9 credit hours must be at the 300 or 400 level.

1. Students must complete one course from each of the three areas of concentration (Politics/Public Policy, Economics/Business, and Culture/Identity):

#### Politics/Public Policy

- POLS-Y 351/EURO-W 304 Model European Union (3 cr.)
- POLS-Y 350 Politics of the European Union/EURO-W 405 Special Topics in European Studies Topic: Politics of the European Union (3 cr.)

- POLS-Y 335 Western European Politics/EURO-W 301 Modern European Politics and Society (3 cr.)

### **Economics/Business**

- BUS-D 301 International Business Environment (3 cr.)
- BUS-G 494 Public Policy and the International Economy (3 cr.)
- ECON-E 390 Undergraduate Seminar (3 cr.)  
Approved Topic: Economics of European Integration
- INTL-I 300 Topics in International Studies (3 cr.)  
Approved topic: Issues in Globalization
- POLS-Y 376 International Political Economy (3 cr.)

### **Culture/Identity**

- GEOG-G 428 Geography of Europe/EURO-W 405 Special Topics in European Studies (3 cr.) Approved topic: Geography of Europe (3 cr.)
- EURO-W 405 Special Topics in European Studies (3 cr.) Approved topic: The Idea of Europe (3 cr.)
- EURO-W 406 Special Topics in European Studies Approved topic: The Idea of Europe: Order and Identity (3 cr.)

2. Students are required to complete another 9 elective credit hours. The elective requirement can be met in two ways:

- Taking additional courses from core courses; **or**
- Taking courses selected from the numerous course offerings listed by the Institute for European Studies, the Russian and East European Institute, and Central Eurasian Studies. If the elective requirement is filled with two or more area studies courses, one elective must be related to Eastern/Central Europe and one to Western Europe.

**Note:** students must complete a minimum of 15 credit hours in College of Arts and Sciences courses within the 18 credit hours for the minor. At least 9 hours of the minor must be completed on the Bloomington campus.

## **Course Descriptions**

**Important note:** courses for the Institute for European Studies will retain the WEUR course prefix through summer 2014 but will change to the EURO course prefix beginning with the fall 2014 semester.

**EURO-W 100 European Less Commonly Taught Languages (3 cr.)** Beginning study of a European language seldom taught on the Bloomington campus of Indiana University (such as, Welsh, Breton, Basque, Gaelic, Maltese). Counts as an elective. May not be used to fulfill the Foreign Language requirement in the College. May be retaken for credit but only in a different language from that of the first enrollment.

**EURO-W 210 Honors Seminar (3 cr.)** Intensive examination of selected topics for freshman and sophomore honors students. Emphasis on critical discussion and preparation of papers. May be repeated once for credit.

**EURO-W 301 Modern European Politics and Society (3 cr.) CASE S&H, CASE GCC (POLS Y335)** The politics, economics, and social structures of West European countries. Examination of selected domestic

and international issues, including the welfare states, the European community, and West–East European relations.

### **EURO-W 304 Model European Union (1-3 cr.) (POLS Y351)**

A course with two interrelated parts. The first involves an analysis of the decision-making powers of the European Union (EU). This analysis then leads to a formal simulation of the EU. This course may be repeated for credit, for a maximum of 3 credit hours.

**EURO-W 325 European Issues Enhanced by European Language Discussion (1-3 cr.)** P: Language proficiency in target language equivalent to completion of fourth semester, or consent of instructor. C: Host course specified each semester. Seminar taught in a European language in conjunction with a subject course on a topic related to Western Europe. Topic and language vary. May be repeated with a different topic for a maximum of 3 credit hours.

**EURO-W 401 Topics in European Intellectual History (3 cr.) CASE S&H** A survey of modern European intellectual history from the French Revolution to the present. Open to advanced undergraduate and graduate students.

### **EURO-W 405 Special Topics in European Studies (3 cr.) CASE S&H**

Selected ideas, trends, and problems in contemporary Europe from the perspective of social and behavioral sciences. Specific topics will be announced each semester. I Sem., II Sem. May be repeated for up to 12 credit hours with different topics.

### **EURO-W 406 Special Topics in European Studies (3 cr.) CASE A&H**

Selected ideas, trends, and problems in contemporary Europe from the perspective of arts and humanities. Specific topics will be announced each semester. I Sem., II Sem., SS. May be repeated for up to 12 credit hours with different topics.

### **EURO-W 415 Individual Readings in European Studies (1-3 cr.)**

P: Consent of instructor and director. Independent readings or research project in European Studies. May be repeated for a maximum of 6 credit hours. I Sem., II Sem., SS. May be repeated for a maximum of 6 credit hours.

### **EURO-W 475 Capstone in European Studies (3 cr.)**

P: For students who have completed at least 9 credit hours in course work for a minor or certificate in European Studies or European Union Studies. Consolidates learning from previous courses. Sessions arranged to present papers for evaluation and criticism by fellow students.

### **Modern Greek**

**EURO-E 100 Beginning Modern Greek I (4 cr.)** A rapid survey of fundamentals designed to acquaint the student with the oral and written language. Especially useful for those planning to study or travel in Greece and for those planning to read modern Greek literature. I Sem.

**EURO-E 150 Beginning Modern Greek II (4 cr.)** P: E100 or equivalent. Second semester of a rapid survey of fundamentals designed to acquaint the student with the oral and written language. Especially useful for those planning to study or travel in Greece and for those planning to read modern Greek literature. II Sem.

### **EURO-E 200 Intermediate Modern Greek I (3 cr.)**

P: E150 or equivalent. Completion of grammar and

syntax not covered in E100-E150 and practice in reading selections from a number of modern writers. I Sem.

**EURO-E 250 Intermediate Modern Greek II: An Introduction to Modern Greek Culture (3 cr.)** P: E200 or equivalent. Continuation of first-semester E200 Second-Year Modern Greek. Students enrolling must have either taken E200 or placement exam. Course will build on language skills acquired during first semester. This will involve covering more advanced grammar and vocabulary, and developing writing skills. Emphasis placed on verbal expression.

**EURO-E 300 Advanced Modern Greek I: Cultural Literacy and Current Events (3 cr.)** P: E250 or equivalent. Assists advanced students in developing both their communicative competency in modern Greek and their awareness of Greek culture and society. The emphasis on popular culture begun in E250 continues and is augmented by an emphasis on current events.

**EURO-E 350 Advanced Modern Greek II: Literature, History, and Cinema (3 cr.)** CASE A&H, CASE GCC

P: E300 or equivalent. Assists advanced students in developing both their communicative competency and their awareness of Greek culture and history. Focuses on improving language skills by engaging Greek history through literature and cinema.

**EURO-E 406 Topics in Modern Greek Culture (3 cr.)**

**CASE A&H** Selected ideas, trends, and problems in modern Greek culture from the perspective of the arts and humanities. Specific topics will be announced each semester. May be repeated with a different topic for a maximum of 6 credit hours.

## Joint-Listed Courses

*The following courses may be joint-listed with the Institute for European Studies course number W405.*

### Economics

- ECON-E 390 Undergraduate Seminar in Economics (3 cr.) **CASE S&H** Approved topic: Economics of European Integration (3 cr.)

### Geography

- GEOG-G 428 Geography of Europe (3 cr.) **CASE S&H, CASE GCC**

### Germanic Studies

- GER-E 341 Dutch Culture: The Modern Netherlands (3 cr.) **CASE S&H, CASE GCC**

### History

- HIST-B 300 Issues in Western European History (3 cr.) **CASE S&H**
- HIST-B 303 Issues in Modern European History (3 cr.) **CASE S&H**
- HIST-B 357 Modern France (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 361-B362 Europe in the Twentieth Century I-II (3-3 cr.) **CASE S&H**
- HIST-B 366 Paris and Berlin in the 1920s: A Cultural History (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 368 Modern Italy (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 377 History of Germany since 1648 I (3 cr.) **CASE S&H, CASE GCC**

- HIST-B 378 History of Germany since 1648 II (3 cr.) **CASE S&H, CASE GCC**

### Political Science

- POLS-Y 335 Western European Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 347 German Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 350 Politics of the European Union (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 401 Topics in Political Science (Europe) (3 cr.) **CASE S&H**

*The following courses may be joint-listed with the Institute for European Studies course number W406:*

### Communication and Culture

- CMCL-C 393-C 394 History of European and American Films I-II (Europe) (3-3 cr.) **CASE A&H, CASE GCC**
- CMCL-C 398 National Cinemas (3 cr.) **CASE A&H, CASE GCC** (West European topics)

### French and Italian

- FRIT-F 311 French Francophone Studies through Film (3 cr.) **CASE A&H, CASE GCC**
- FRIT-M 390 Studies in Italian Film (3 cr.) **CASE A&H, CASE GCC**
- FRIT-M 450 Seminar in Italian Literature (up to 6 cr.) **CASE A&H**

### Germanic Studies

- GER-E 323 German Film Culture (3 cr.) **CASE A&H, CASE GCC**
- GER-E 342 The Golden Age of Dutch Culture (3 cr.) **CASE A&H, CASE GCC**
- GER-E 361 Vikings and Sagas (3 cr.) **CASE A&H**
- GER-E 362 Topics in Scandinavian Culture (3 cr.) **CASE A&H, CASE GCC**
- GER-E 363 Topics in Scandinavian Literature (3 cr.) **CASE A&H, CASE GCC**
- GER-G 418 German Film and Popular Culture (3 cr.) **CASE A&H, CASE GCC**

### Political Science

- POLS-Y 381 Classical Political Thought (3 cr.) **CASE A&H, CASE GCC**
- POLS-Y 382 Modern Political Thought (3 cr.) **CASE A&H, CASE GCC**

## Cross-Listed Courses

The following represents a list of courses considered cross-listed equivalents. Any of these courses may count toward the European Studies minor. Courses approved for the **CASE S&H** (social and historical studies) Breadth of Inquiry requirement may replace the W405 requirement, and courses approved for the **CASE A&H** (arts and humanities) Breadth of Inquiry requirement may replace the W406 requirement for the minor. All courses may count as electives. Courses not listed below may be considered if approval is granted by the Institute for European Studies advisor.

### Anthropology

- ANTH-E 332 Jewish Women: Anthropological Perspectives (3 cr.) **CASE S&H, CASE DUS**

- ANTH-E 387 The Ethnography of Europe (3 cr.)  
**CASE S&H, CASE GCC**

### **Central Eurasian Studies**

- CEUS-R 302 Finland in the Twentieth Century (3 cr.)  
**CASE S&H**
- CEUS-R 304 Modern Finnish Literature
- CEUS-R 309 Topics in Baltic-Finnish Studies

- ENG-L 365 Modern Drama: Continental (3 cr.)  
**CASE A&H**
- ENG-L 366 Modern Drama: English, Irish, American, and Post-Colonial (3 cr.)  
**CASE A&H**
- ENG-L 375 Studies in Jewish Literature (3 cr.)  
**CASE A&H, CASE DUS**
- ENG-L 383 Studies in British or Commonwealth Culture (3 cr.)  
**CASE A&H**

### **Comparative Literature**

- CMLT-C 325 The Renaissance (3 cr.)  
**CASE A&H, CASE GCC**
- CMLT-C 329 The Eighteenth Century (3 cr.)  
**CASE A&H, CASE GCC**
- CMLT-C 333 Romanticism (3 cr.)  
**CASE A&H, CASE GCC**
- CMLT-C 365 Japanese-Western Literary Relations (3 cr.)  
**CASE A&H, CASE GCC**
- CMLT-C 377 Topics in Yiddish Literature (3 cr.)  
**CASE A&H, CASE GCC**
- CMLT-C 378 Topics in Yiddish Culture (3 cr.)  
**CASE A&H, CASE GCC**
- CMLT-C 400 Studies in Comparative Literature (3 cr.)  
**CASE A&H** (Topics dealing with Modern Europe)

### **Economics**

- ECON-E 303 Survey of International Economics (3 cr.)  
**CASE S&H**

### **English**

- ENG-E 301 Literatures in English to 1600 (3 cr.)  
**CASE A&H**
- ENG-E 302 Literatures in English, 1600–1800 (3 cr.)  
**CASE A&H**
- ENG-E 303 Literatures in English, 1800–1900 (3 cr.)  
**CASE A&H**
- ENG-E 304 Literatures in English, 1900–Present (3 cr.)  
**CASE A&H**
- ENG-L 306 Middle English Literature (3 cr.)  
**CASE A&H**
- ENG-L 308 Elizabethan and Seventeenth-Century Drama (3 cr.)  
**CASE A&H**
- ENG-L 309 Elizabethan Poetry (3 cr.)  
**CASE A&H**
- ENG-L 313 Early Plays of Shakespeare (3 cr.)  
**CASE A&H**
- ENG-L 314 Late Plays of Shakespeare (3 cr.)  
**CASE A&H**
- ENG-L 317 English Poetry of the Early Seventeenth Century (3 cr.)  
**CASE A&H**
- ENG-L 320 Restoration and Early Eighteenth-Century Literature (3 cr.)  
**CASE A&H**
- ENG-L 327 Later Eighteenth-Century Literature (3 cr.)  
**CASE A&H**
- ENG-L 332 Romantic Literature (3 cr.)  
**CASE A&H**
- ENG-L 335 Victorian Literature (3 cr.)  
**CASE A&H**
- ENG-L 345 Twentieth-Century British Poetry (3 cr.)  
**CASE A&H**
- ENG-L 346 Twentieth-Century British Fiction (3 cr.)  
**CASE A&H**
- ENG-L 347 British Fiction to 1800 (3 cr.)  
**CASE A&H**
- ENG-L 348 Nineteenth-Century British Fiction (3 cr.)  
**CASE A&H**

### Fine Arts

- FINA-A 226 Survey of Medieval Art (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 231 The Age of Giants: Art in the Time of Leonardo and Michelangelo (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 233 Renaissance and Baroque Art in Italy, 1250–1700 (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 234 Renaissance Florence (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 311 The Art of the Classical Age of Greece (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 312 The Art of the Roman Empire from Augustus to Constantine (3 cr.) **CASE S&H**
- FINA-A 313 Greek Pottery and Painting (3 cr.)
- FINA-A 314 History of Greek Sculpture (3 cr.)
- FINA-A 316 Ancient Art from Alexander the Great to Augustus (3 cr.) **CASE A&H**
- FINA-A 321 Romans and Barbarians: Early Medieval Art (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 322 Romanesque and Gothic Art (3 cr.) **CASE S&H**
- FINA-A 323 Illuminated Manuscripts in the Middle Ages: Form, Function, and Audience (3 cr.) **CASE A&H**
- FINA-A 324 The Gothic Cathedral (3 cr.)
- FINA-A 329 Topics in Medieval Art (3 cr.) **CASE A&H**
- FINA-A 330 Art of Renaissance and Baroque (3 cr.) **CASE S&H**
- FINA-A 331 Fourteenth- and Fifteenth-Century Art in Italy (3 cr.) **CASE S&H**
- FINA-A 332 Sixteenth- and Seventeenth-Century Art in Southern Europe (3 cr.) **CASE S&H**
- FINA-A 333 From Van Eyck to Vermeer (3 cr.) **CASE S&H**
- FINA-A 335 Baroque Art in Italy, 1580–1700 (3 cr.) **CASE S&H**
- FINA-A 337 Age of Rubens and Rembrandt (3 cr.) **CASE S&H, CASE GCC**
- FINA-A 341 Nineteenth-Century European Art (3 cr.) **CASE S&H**
- FINA-A 412 (CLAS C412) The Art and Archaeology of the Aegean (3 cr.) **CASE A&H, CASE GCC**
- FINA-A 413 (CLAS C413) The Art and Archaeology of Greece (3 cr.) **CASE A&H**
- FINA-A 414 (CLAS C414) The Art and Archaeology of Rome (3 cr.) **CASE A&H**
- FINA-A 415 Roman Painting (4 cr.) **CASE S&H**
- FINA-A 417 Roman Sculpture (4 cr.) **CASE S&H**
- FINA-A 423 Romanesque Art (4 cr.) **CASE S&H**
- FINA-A 426 The Medieval City (3 cr.) **CASE S&H**
- FINA-A 432 Sixteenth-Century Art in Northern Italy (4 cr.)
- FINA-A 436 Italian Art of the Fifteenth Century (4 cr.) **CASE S&H**
- FINA-A 437 Playing with Pictures in the Fifteenth-Century Netherlands (4 cr.) **CASE S&H**

### Folklore and Ethnomusicology

- FOLK-F 312 European Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC**

- FOLK-F 358 Jewish Folklore/Folklife/Folk Music (3 cr.) **CASE A&H**

### French and Italian

- FRIT-F 300 Reading and Expression in French (3 cr.) **CASE A&H**
- FRIT-S 300 Reading and Expression in French—Honors (3 cr.) **CASE A&H**
- FRIT-F 305 Théâtre et essai (3 cr.) **CASE A&H**
- FRIT-F 306 Roman et poésie (3 cr.) **CASE A&H**
- FRIT-F 310 Topics in French/Francophone Culture (3 cr.) **CASE A&H, CASE GCC** (Topics vary.)
- FRIT-F 317 French in the Business World (3 cr.) **CASE S&H**
- FRIT-F 361 La France médiévale (jusqu'à 1500) (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 362 La France 1500–1800 (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 363 La France 1800–Aujourd'hui (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 375 Thèmes et perspectives littéraires (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 401 Structure and Development of French (3 cr.) **CASE S&H**
- FRIT-F 402 Introduction to French Linguistics (3 cr.) **CASE N&M**
- FRIT-F 410 French Literature of the Middle Ages (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 413 French Renaissance (3 cr.) **CASE A&H**
- FRIT-F 423 Seventeenth-Century French Literature (3 cr.)
- FRIT-F 424 Ideas and Culture in Seventeenth-Century France (3 cr.)
- FRIT-F 435 Enlightenment Narrative (3 cr.) **CASE A&H**
- FRIT-F 436 Voltaire, Diderot, and Rousseau (3 cr.) **CASE A&H**
- FRIT-F 443 Great Novels of the Nineteenth Century (3 cr.) **CASE A&H**
- FRIT-F 445 Nineteenth-Century Drama (3 cr.)
- FRIT-F 446 Great Poetry of the Nineteenth Century (3 cr.) **CASE A&H**
- FRIT-F 450 Colloquium in French Studies—Tradition and Ideas (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 451 Colloquium in French Studies—Literature and Arts (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 456 La Poésie au 20e siècle (3 cr.) **CASE A&H**
- FRIT-F 459 Le Théâtre au 20e siècle (3 cr.) **CASE A&H, CASE GCC**
- FRIT-F 461 La France contemporaine: cinéma et culture (3 cr.) **CASE GCC**
- FRIT-F 463 Civilization française I (3 cr.) **CASE GCC**
- FRIT-F 464 Civilization française II (3 cr.) **CASE GCC**
- FRIT-F 474 Thème et version (3 cr.)
- FRIT-M 300 Italian Conversation and Diction (3 cr.)
- FRIT-M 301 Italian Reading and Expression (4 cr.)
- FRIT-M 305 Civiltà italiana moderna (3 cr.) **CASE A&H, CASE GCC**
- FRIT-M 306 Italian Short Fiction (3 cr.) **CASE A&H, CASE GCC**

- FRIT-M 307 Masterpieces of Italian Literature I (3 cr.) **CASE A&H, CASE GCC**
- FRIT-M 308 Masterpieces of Italian Literature II (3 cr.) **CASE A&H, CASE GCC**
- FRIT-M 334 Power and Imagination in Italy (3 cr.) **CASE A&H**
- FRIT-M 403 Italian Renaissance Literature (3 cr.) **CASE A&H**
- FRIT-M 435 Theatre Workshop (3 cr.)
- FRIT-M 445 Risorgimento (3 cr.) **CASE A&H, CASE GCC**
- FRIT-M 446 Nineteenth-Century Italian Literature (3 cr.) **CASE A&H**
- FRIT-M 453 Twentieth-Century Italian Literature and Culture (3 cr.) **CASE A&H**
- FRIT-M 455 Readings in the Italian Cinema (3 cr.) **CASE A&H**
- FRIT-M 456 Il Decadentismo Italiano (3 cr.) **CASE A&H**
- FRIT-M 463 Contemporary and Popular Italian Culture (3 cr.) **CASE A&H, CASE GCC**
- FRIT-M 474 Temi e versioni (2–4 cr.)

#### **Germanic Studies**

- GER-E 322 German Cultural History (3 cr.) **CASE A&H, CASE GCC**
- GER-E 351 Topics in Yiddish Literature (3 cr.) **CASE A&H, CASE GCC**
- GER-E 352 Topics in Yiddish Culture (3 cr.) **CASE A&H, CASE GCC**
- GER-E 361 Vikings and Sagas (3 cr.) **CASE A&H**
- GER-G 305 Introduction to German Literature: Types (3 cr.) **CASE A&H**
- GER-G 306 Introduction to German Literature: Themes (3 cr.) **CASE A&H**
- GER-G 362 Introduction to Contemporary Germany (3 cr.) **CASE S&H, CASE GCC**
- GER-G 363 Introduction to German Cultural History (3 cr.) **CASE A&H, CASE GCC**
- GER-G 396 German Language Abroad (1–6 cr.)
- GER-G 403 Medieval German Literature (3 cr.) **CASE A&H**
- GER-G 404 Modern German Literature (3 cr.) **CASE A&H**
- GER-G 415 Perspectives on German Literature (3 cr.) **CASE A&H**
- GER-G 416 Studies in German Authors (3 cr.) **CASE A&H**
- GER-G 421 Contemporary Germany: Overview (3 cr.) **CASE S&H, CASE GCC**
- GER-G 424 Literature and Society since 1945 (3 cr.) **CASE A&H, CASE GCC**
- GER-G 464 German Culture and Society (3 cr.) **CASE S&H, CASE GCC**

#### **History**

- HIST-B 321 European Jews in the Age of Discovery (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 323 History of the Holocaust (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 351 Western Europe in the Early Middle Ages (3 cr.) **CASE S&H, CASE GCC**

- HIST-B 352 Western Europe in the High and Later Middle Ages (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 353 The Renaissance (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 354 The Reformation (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 356 French Revolution and Napoleon (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 359-B360 Europe from Napoleon to the First World War I–II (3–3 cr.) **CASE S&H, CASE GCC**
- HIST-B 400 Issues in Western European History (3 cr.) **CASE S&H**
- HIST-W 325 World War II: The Peoples (3 cr.) **CASE S&H**

#### **Medieval Studies**

- MEST-M 390 Studies in Medieval Culture (3–4 cr.) **CASE GCC**
- MEST-M 490 Topics in Medieval Studies (2–4 cr.)

#### **Philosophy**

- PHIL-P 301 Medieval Philosophy (3 cr.) **CASE A&H, CASE GCC**
- PHIL-P 304 Nineteenth-Century Philosophy (3 cr.) **CASE A&H**
- PHIL-P 330 Marxist Philosophy (3 cr.) **CASE A&H**
- PHIL-P 335 Phenomenology and Existentialism (3 cr.) **CASE A&H**
- PHIL-P 340 Classics in Ethics (3 cr.) **CASE A&H**
- PHIL-P 343 Classics in Social and Political Philosophy (3 cr.) **CASE A&H**
- PHIL-P 346 Classics in Philosophy of Art (3 cr.) **CASE A&H**

#### **Political Science**

- POLS-Y 351 Political Simulations (Model EU) (1–3 cr.)
- POLS-Y 352 The Holocaust and Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 361 Contemporary Theories of International Politics (3 cr.) **CASE S&H**

#### **Religious Studies**

- REL-A 350 Christianity, 400–1500 (3 cr.) **CASE A&H, CASE GCC**
- REL-A 351 Christianity and Modernity (3 cr.) **CASE A&H**
- REL-A 426 Gnostic Religion and Literature (3 cr.) **CASE A&H, CASE GCC**
- REL-D 330 From Christian Ethics to Social Criticism I (3 cr.) **CASE A&H, CASE GCC**
- REL-D 331 From Christian Ethics to Social Criticism II (3 cr.) **CASE A&H**
- REL-D 360 War and Peace in Western Religion (3 cr.) **CASE A&H**

#### **Spanish and Portuguese**

- HISP-S 315 Spanish in the Business World (3 cr.)
- HISP-S 326 Introduction to Hispanic Linguistics (3 cr.) **CASE N&M**
- HISP-S 407 Survey of Spanish Literature I (3 cr.) **CASE A&H**

- HISP-S 408 Survey of Spanish Literature II (3 cr.) **CASE A&H**
- HISP-S 411 Spain: The Cultural Context (3 cr.) **CASE A&H, CASE GCC**
- HISP-S 417 Hispanic Poetry (3 cr.) **CASE A&H**
- HISP-S 418 Hispanic Drama (3 cr.) **CASE A&H**
- HISP-S 419 Modern Spanish Prose Fiction (3 cr.) **CASE A&H**
- HISP-S 423 The Craft of Translation (3 cr.)
- HISP-S 450 *Don Quixote* (3 cr.) **CASE A&H**
- HISP-S 470 Women and Hispanic Literature (3 cr.) **CASE A&H**
- HISP-S 473 Hispanic Literature and Literary Theory (3 cr.) **CASE A&H**
- HISP-S 474 Hispanic Literature and Society (3 cr.) **CASE A&H**
- HISP-S 495 Hispanic Colloquium (1-3 cr.) (West European Topic)
- HISP-C 400 Catalan Language and Culture I (3 cr.)
- HISP-C 450 Catalan Literature (3 cr.) **CASE A&H**
- HISP-P 400 Literatures of the Portuguese-Speaking World I (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 401 Literatures of the Portuguese-Speaking World II (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 405 Literature and Film in Portuguese (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 411 Portugal: The Cultural Context (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 470 Poetry in Portuguese (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 475 Theatre in Portuguese (3 cr.) **CASE A&H, CASE GCC**

#### **Theatre, Drama and Contemporary Dance**

- THTR-T 323 Costume and Character in London Theatre (3 cr.)

#### **Jacobs School of Music**

- MUS-M 410 Composer or Genre (West European Topics) (3 cr.)
- MUS-Z 401 The Music of the Beatles (3 cr.) **CASE A&H**

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## Film Studies

Film and Media Studies is a humanities-style program focused primarily on the critical and theoretical study of cinema, television, and new media. We offer a broad-based curriculum that balances introductory courses in film, critical television studies, and/or new media theory, criticism, and history with advanced courses devoted to the latest developments in the field. To provide valuable hands-on experience, we also offer a number of film and video production courses. Our curriculum and requirements are flexible, so that students may craft individualized programs of study that concentrate on a specific medium; that investigate the relationships among media; or that explore the relationship of media studies to rhetoric or ethnographic and performance studies.

Students interested in taking film and media classes, as well as students seeking to major or minor with an

emphasis in film studies in the College of Arts and Sciences, should look for film and/or media course listings under the heading for the Department of Communication and Culture.

For more information, please contact Joan Hawkins, Director of Film and Media Resources, Department of Communication and Culture, (812) 855-1548; [jchawkin@indiana.edu](mailto:jchawkin@indiana.edu).

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## Fine Arts

#### **Introduction**

The Departments of the History of Art and Studio Art in the Henry Radford Hope School of Fine Arts (FINA) offer students a number of undergraduate degree programs in fine arts, including the B.A. in history of art, the B.A. in studio art, and the B.F.A. in studio art. The curricular design and goal for each of these degrees is to provide students with a balance of training in the practice, theory, and history of visual arts in order to understand and enhance the human sensibility and its diverse potential. In their classes, faculty foster an aesthetic and intellectual environment in which the highest level of creativity and critical thinking in the visual arts are studied, practiced and learned. Creative activity in Studio Art and scholarship in History of Art are enriched by the sophisticated dynamics of learning in a liberal arts context and are challenged by the rigor of knowledge generation in a leading-edge research university.

#### **Contact Information**

Fine Arts—Studio  
Indiana University  
Fine Arts 123  
Bloomington, IN 47405  
(812) 855-7766

[faoffice@indiana.edu](mailto:faoffice@indiana.edu)

History of Art  
Indiana University  
Fine Arts 132  
Bloomington, IN 47405  
(812) 855-9556  
[fflinn@indiana.edu](mailto:fflinn@indiana.edu)

<http://www.indiana.edu/~arthist/>

## Faculty

#### **Director and Chair, Studio Art**

- Professor Paul Brown

#### **Chair, Art History**

- Professor Patrick McNaughton

#### **Chancellor's Professor**

- Patrick McNaughton

#### **Distinguished Professors**

- Bruce Cole (Emeritus)
- Rudolph Pozzatti (Emeritus)

#### **President's Outstanding Faculty Awardees**

- William Itter (Emeritus)
- W. Eugene Kleinbauer (Emeritus)

- Bonnie Sklarski (Emerita)

### Rudy Professor of Fine Arts

- Robert Barnes (Emeritus)

### Ruth N. Halls Professors

- Sarah Burns (Emerita)
- Jeffrey A. Wolin

### Professors

- Michelle Facos
- Randy Long
- Patrick McNaughton

### Associate Professors

- Sarah Bassett
- Christyl Boger
- Paul Brown
- Laurel Cornell
- Blane De St Croix
- Margaret Dolinsky
- Adelheid Gealt
- Nicole Jacquard
- Giles Knox
- Arthur Liou
- Martha MacLeish
- Eve Mansdorf
- Tim Mather
- James Nakagawa
- Tina Newberry
- James Reidhaar
- Diane Reilly
- Bret Rothstein
- Malcolm Mobutu Smith
- Tracy Templeton
- Julie Van Voorhis
- Caleb Weintraub

### Assistant Professors

- Phillip Bloom
- Melody Barnett Deusner
- Margaret Graves
- Rowland Ricketts
- Jeffrey Saletnik
- Dawna Schuld

### Visiting Assistant Professors

- Michael Calway-Fagen
- Carissa Carman
- Brandon Gunn
- Danielle Head
- Steven Hixson
- Ellie Honl
- Gabe Phipps
- Tom Scicluna
- Keith Allyn Spencer
- Kevin Steele
- Grant Whipple
- Peter Williams
- James Yount IV

### Faculty Emeriti

- Robert Barnes
- Ed Bernstein

- Sarah Burns
- Wendy Calman
- Bruce Cole
- Tom Coleman
- Molly Faries
- Barry Gealt
- John Goodheart
- William Itter
- Jerald Jacquard
- Janet Kennedy
- W. Eugene Kleinbauer
- Susan Nelson
- Rudolph Pozzatti
- Bonnie Sklarski
- Joan Sterrenburg

### Lecturers

- Jenny El-Shamy
- Tim Kennedy
- Andrei Molotiu

### Academic Specialist

- Betsy Stirratt

### Associate Scholars

- Diane Pehrine
- Judith Stubbs

### Director of Undergraduate Studies, History of Art

- Bret Rothstein

### Director of Undergraduate Studies, Studio Art

- Martha MacLeish

### Academic Advising, History of Art

- Meryl Krieger, Fine Arts 136, (812) 855-4315

### Academic Advising, Studio Art

- Justin Otten, Fine Arts 126, (812) 855-1693

## Major in History of Art—B.A.

### Purpose

This program is designed to acquaint the student with the major developments in the history of art and the discipline and methods of art history, and to elucidate the work of art within the period and culture in which it was produced.

### Required Courses

Students must complete at least 30 credit hours in art history, including the following:

1. Two of the following survey courses: A101, A102, A155, and A160.
2. 24 credit hours above the 100 level, including at least two courses at the 200–300 level, at least 2 courses at the 300-level, and at least three courses at the 400 level. The 200-, 300-, and 400-level courses must be taught for at least 3 credit hours and must be distributed among at least four of the following different areas of art history: ancient, medieval, Renaissance and baroque, modern and contemporary, Islamic, Asian, African/Oceanic/pre-Columbian, or art theory. Courses must be completed with a grade of C– or higher.

Students must complete the degree requirements of the College of Arts and Sciences.

### **Recommendations**

A reading knowledge of a foreign language and a minor in the humanities are recommended. Some studio course work is also recommended.

### **Residence Requirement**

At least 18 credit hours of art history must be completed in residence on the Bloomington campus, including two courses at the 300 level and two courses at the 400 level.

### **Transferred Credit**

All art history courses transferred from another institution or campus must be evaluated by the director of undergraduate studies in the Department of the History of Art before they may be applied toward the major.

### **Limit on Fine Arts Credit Hours**

A maximum of 63 credit hours of fine arts courses and a maximum of 42 credit hours in art history will count toward the 120 credit hours required for the B.A. degree.

## **Minor in History of Art**

### **Required Courses**

Students must complete six courses in art history, with no more than two courses at the 100 level, and at least three courses (9 cr.) at the 300 or 400 level, for a minimum of 18 credit hours. Courses must be completed with a grade of C– or higher. At least three of these courses (9 cr.) must be completed on the Bloomington campus.

## **History of Art Honors Program**

The fine arts honors program in history of art is designed to provide outstanding students with opportunities to pursue creative independent study and research. Admission to the program is by application, typically during the spring semester of the junior year. To be considered, a student must have a minimum GPA of 3.500 in history of art and a minimum 3.300 GPA overall. Eligible and interested students should consult the director of undergraduate studies.

The honors program includes a two-course sequence, A400 Senior Seminar (4 cr.) and A499 Senior Honors Thesis (4 cr.), taken during the senior year. To graduate with honors in history of art, a student must earn an A– or higher in both courses and must maintain a minimum GPA of 3.500 in history of art and a minimum GPA of 3.300 overall.

## **Major in Studio Art—B.A.**

### **Purpose**

This program is designed to enable students to see, formulate, and articulate visual concepts through the manipulation of forms and materials. Its basic aim is to develop their awareness of visual expression within the humanist tradition.

### **Required Courses**

Students must complete at least 39 credit hours in studio and at least 12 credit hours in art history, including the following:

1. F100, F101, and F102 (9 cr.).
2. S200 (3 cr.).
3. Three additional studio courses at the 200 level, including at least one course in both two-dimensional and three-dimensional disciplines. (**Note:** The two-dimensional studio disciplines are graphic design,

painting and drawing, photography, digital art, and printmaking. The three-dimensional disciplines are ceramics, textiles, metalsmithing and jewelry design, and sculpture.)

4. 18 additional credit hours in studio at the 300–400 level, including both two-dimensional and three-dimensional disciplines, with at least 3 credit hours (one course) at the 400 level.
5. A102, and one of the following: A101, A155, and A160.
6. Two courses in art history: one course at the 200–400 level and one course at the 300–400 level.

Students must complete the degree requirements of the College of Arts and Sciences.

### **Residence Requirement**

At least 20 credit hours of studio and 6 credit hours of art history must be completed in residence on the Bloomington campus.

### **Transferred Credit**

All art history and studio courses transferred from another institution or campus must be evaluated by an appropriate faculty member in the School of Fine Arts before they may be applied toward a major in fine arts. See Transferred Credit Review.

### **Limit on Fine Arts Credit Hours**

A maximum of 63 credit hours of fine arts will count toward the 120 credit hours required for the B.A. degree.

## **Minor in Studio Art**

### **Requirements**

Students must complete seven courses in studio with a C– or higher for a minimum of 21 credit hours, including:

1. F100.
2. F101 or F102.
3. Two additional courses in studio art above the 100 level.
4. Three courses in studio art at the 300-400 level (which must be completed on the Bloomington campus).

## **Major in Studio Art—B.F.A.**

### **Purpose**

This program is designed to meet the needs of exceptional students who desire intensive studio experience within the context of the liberal arts. They must have demonstrated superior ability and motivation in a particular studio discipline.

Admission to the B.F.A. program in any studio area is subject to a portfolio review, judgment of grades, and a personal interview with the faculty of that area. Applications are not usually considered until students have had at least two studio courses on the Bloomington campus.

### **Required Courses**

Students must complete at least 62 credit hours in studio and at least 12 credit hours in art history, including the following:

1. F100, F101, and F102 (9 cr.).
2. S200 (3 cr.).

3. Three additional studio courses at the 200 level (at least 9 cr.), including at least one course in both two-dimensional and three-dimensional disciplines (**Note:** The two-dimensional studio disciplines are graphic design, painting and drawing, photography, digital art, and printmaking. The three-dimensional disciplines are ceramics, textiles, metalworking and jewelry design, and sculpture.)
4. 41 additional credit hours at the upper level, including both two-dimensional and three-dimensional disciplines prescribed by the director of the area in which the degree is completed, to total 62 credit hours of studio work.
5. A102, and one of the following: A101, A155, and A160.
6. Two courses in art history: one course at the 200–400 level and one course at the 300–400 level.

Students must also complete the B.A. degree requirements of the College of Arts and Sciences.

#### **Recommendations**

Students should plan the distribution of their programs within the areas offered under the guidance of area advisors.

#### **Residence Requirement**

At least 40 credit hours of studio and 6 credit hours of art history must be completed in residence on the Bloomington campus.

#### **Transferred Credit**

All art history and studio courses transferred from another institution or campus must be evaluated by an appropriate faculty member in the School of Fine Arts before they may be applied toward a major in fine arts. See Transferred Credit Review.

### **Double Major in History of Art and Studio Art**

#### **Required Courses**

Students must meet all the requirements for both majors. It will be acceptable to count a maximum of four art history courses toward both majors. A maximum of 63 credit hours in art history courses and studio courses will apply to a B.A. degree for students completing this double major. Students pursuing the double major may, however, complete up to 20 additional credit hours in Fine Arts courses. In no case may the sum of the credit hours taken outside the College and the excess major hours within the College exceed 20 credit hours.

#### **Transferred Credit Review**

Courses in art history or studio art that have been transferred to Indiana University Bloomington from another institution or campus are not counted as part of a fine arts major unless they have been reviewed by the School of Fine Arts faculty.

For an art history course review, the student should supply the reviewer with the following information: the title of the course, textbook name, and the period covered. The student should bring the course description and syllabus.

For a review of transferred studio credit, the student should provide the reviewer with the following information: the title of the course, the course description, syllabus and

a portfolio consisting of representative work from each area (e.g., painting, sculpture, etc.) for which transfer credit is desired. The portfolio should include both studies and finished work. Some studio areas accept digital images in lieu of actual objects. The portfolio should be as complete as possible.

#### **Overseas Study**

Students are encouraged to study abroad, particularly on Indiana University overseas study programs, where they can continue to make progress toward their degrees and apply financial aid to program fees. Of particular interest are the summer programs in Florence, Paris, and Venice. For information about study abroad, contact the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304.

### **Course Descriptions**

#### **History of Art**

##### **Course for the Nonmajor**

**FINA-H 100 Introduction to Art History and Visual Culture for Non-Majors (3 cr.) CASE A&H** Designed to acquaint students with outstanding works of art and to provide an approach to appreciation through knowledge of purposes, techniques, form, and content. Does not count toward the fine arts major. Credit given for only one of H100 or A108.

**FINA-A 245 Jewish Art (3 cr.) CASE A&H, CASE GCC** A survey of Jewish art from the frescoes at Dura Europos to the paintings of Leon Golub.

**FINA-A 358 Women Artists (3 cr.) CASE A&H**

Exploration of contributions by women artists from the Middle Ages to the late twentieth century.

#### **Introductory Courses**

**FINA-A 101 Ancient and Medieval Art (3 cr.) CASE S&H**

A survey of major styles and monuments in art and architecture from prehistoric times to the end of the Middle Ages.

**FINA-A 102 Renaissance through Modern Art (3 cr.) CASE S&H**

A survey of major artists, styles, and movements in European and American art and architecture from the fifteenth century to the present.

**FINA-A 150 African, New World, and Oceanic Art (3 cr.) CASE S&H**

Arts of the non-Western world outside the Orient.

**FINA-A 155 Introduction to African Art (3 cr.) CASE A&H, CASE GCC**

African art in its cultural setting. Major style areas: prehistoric Nok culture, kingdoms of Ife and Benin, Western Sudan, Guinea Coast, equatorial forests, Congo, eastern and southern Africa.

**FINA-A 160 Introduction to East Asian Art (3 cr.) CASE A&H, CASE GCC** A survey of major monuments, artists, and movements in Chinese and Japanese art.

**FINA-A 200 Topics in Art History (3 cr.)** Various topics in the history of art will be offered depending upon instructors and their area of expertise. May be repeated with a different topic for a maximum of 6 credit hours.

**FINA-A 220 American Arts/American Identities, 1776-1945 (3 cr.) CASE A&H** Introductory survey of American fine arts and popular culture from 1776 to the

end of World War II. Emphasis on changing conceptions of "Americanness."

**FINA-A 290 Architecture for Planet Earth (3 cr.) CASE S&H** Focuses on the relationship between architecture and the environment at different points in history and in various parts of the world. Students will analyze (1) the natural conditions that determine basic building forms, (2) the cultural forces that add complexity to evolving built environments, and (3) conflicting modern attitudes towards nature and culture in architecture.

#### Ancient Art

**FINA-A 206 (CLAS C206) Classical Art and Archaeology (3 cr.) CASE A&H, CASE GCC** Survey of the art and archaeology of classical lands from the Minoan-Mycenaean Age through classical Greece and Rome. Emphasis on the contributions of archaeology to our understanding of classical culture.

**FINA-A 210 Topics in Ancient Art (3 cr.)** Special topics in the history and study of ancient art. May be repeated with a different topic for a maximum of 6 credit hours.

**FINA-A 214 Art and Life in Ancient Rome (3 cr.) CASE S&H, CASE GCC** Thematic exploration of the art and architecture of ancient Rome with a focus on the relationship between art and society during the imperial period.

**FINA-A 310 Topics in Ancient Art (3-6 cr.) CASE A&H** Special topics in the history and study of ancient art. May be repeated with a different topic for a maximum of 6 credit hours.

**FINA-A 311 The Art of the Classical Age of Greece (3 cr.) CASE S&H, CASE GCC** Architecture, sculpture, and painting in the fifth and fourth centuries B.C.

**FINA-A 312 The Art of the Roman Empire from Augustus to Constantine (3 cr.) CASE S&H** Survey of art and architecture of the Roman Empire from 31 B.C.E. to 337 C.E.

**FINA-A 313 Greek Pottery and Painting (3 cr.)** Survey of Greek painted pottery and remains of painting from 1000 to 200 B.C. It illustrates the successive stages of development, drawing upon the rich collection of the IU Art Museum to illuminate the different phases. Emphasis is on period as well as individual styles and on the interpretation of subject matter as well as on technique.

**FINA-A 314 History of Greek Sculpture (3 cr.)** P: A101 and A206. The history of Greek sculpture from the early Iron Age (ca. 900 B.C.) to the late Hellenistic period. Focus on problems of change, context, and stylistic differentiation between parts of the Greek world. Original material from the IU Art Museum will also be studied.

**FINA-A 316 Ancient Art from Alexander the Great to Augustus (3 cr.) CASE A&H** Introduction to the art and architecture of the ancient Mediterranean world during the Hellenistic and Roman Republican periods.

**FINA-A 410 Topics in Ancient Art (3-4 cr.)** Special topics in the history and study of ancient and Classical art. May be repeated with a different topic for a total of 8 credit hours.

**FINA-A 412 (CLAS C412) The Art and Archaeology of the Aegean (3 cr.) CASE A&H, CASE GCC** P: A206

or CLAS C206. Introduction to the preclassical art and archaeology of the Aegean Basin: Greece, Crete, and the Aegean islands during the Stone and Bronze Ages (to about 1000 B.C.). Topics covered include Troy, Minoan Crete, and Mycenaean Greece.

**FINA-A 413 (CLAS C413) The Art and Archaeology of Greece (3 cr.) CASE A&H** P: A206 or CLAS C206. Art and archaeology of Greece from about 1000 B.C. through the Hellenistic period. Special attention given to the development of Greek architecture, sculpture, and vase painting. Continuation of A412 (C412), but A412 (C412) is not a prerequisite.

**FINA-A 414 (CLAS C414) The Art and Archaeology of Rome (3 cr.) CASE A&H** P: A206 or CLAS C206. Development of Roman architecture, sculpture, and painting from the beginning through the fourth century A.D. Consideration given to the major archaeological sites. Continuation of A413 (C413), but A413 (C413) is not a prerequisite.

**FINA-A 415 Roman Painting (4 cr.) CASE S&H** P: A101, A312, A314, A414, or consent of instructor. Critical survey of Roman painting from second century B.C. through early fourth century A.D. Emphasis is on paintings from Rome and the region of Pompeii in the period from 100 B.C. to A.D. 79.

**FINA-A 417 Roman Sculpture (4 cr.) CASE S&H** P: A101, A312, A314, A414, or consent of instructor. Analytical survey of Roman sculpture from the Republic through the reign of Septimus (circa 3rd century B.C.E. to early 3rd century C.E.)

#### Medieval Art

**FINA-A 226 Survey of Medieval Art (3 cr.) CASE A&H, CASE GCC** Origins and development of the architecture, and especially the sculpture and painting, of the period from Constantine the Great (A.D. 300) to the fall of Constantinople in 1453 in the Byzantine East and the beginning of the Renaissance in the Latin West.

**FINA-A 321 Romans and Barbarians: Early Medieval Art (3 cr.) CASE S&H, CASE GCC** Surveys the art and architecture of Western Europe from the fourth through the tenth centuries, a period of enormous change when new social and cultural systems developed. Examines visual forms such as painting, sculpture, and architecture in the context of such cultural institutions as warfare, kingship, and monasticism.

**FINA-A 322 Romanesque and Gothic Art (3 cr.) CASE S&H** Survey of the art of the High Middle Ages from the eleventh through the fifteenth centuries, with an emphasis on architecture and sculpture in England, France, Germany, and Italy.

**FINA-A 323 Illuminated Manuscripts in the Middle Ages: Form, Function, and Audience (3 cr.) CASE A&H** Starting with the invention of the codex in the first century, and continuing to the end of the Middle Ages, this course will investigate the tools, methods, and inspiration behind the creation of medieval manuscripts. Lectures will survey the most important types of manuscripts and schools of manuscript illumination, as well as their audiences.

**FINA-A 324 The Gothic Cathedral (3 cr.)** This course surveys the development of one of the most important cultural institutions of the Medieval era, the Gothic

cathedral. A study of the Gothic cathedral provides an ideal jumping-off point to examine the most important trends of the twelfth, thirteenth, and fourteenth centuries. The cathedral became the most important innovating force in Europe, leading the way in the development of architecture and the visual arts, as well as education and music. The centrality of the cathedral in the later medieval world reflects a fundamental change in the structure of medieval society, which changed from being primarily rural to urban in the course of only a century.

**FINA-A 326 The Golden Age of Justinian: Art in the Sixth Century Mediterranean (3 cr.) CASE S&H, CASE GCC** Art of the later Roman/early Byzantine world in the sixth century Mediterranean context. Comparison to Sasanian and western art traditions.

**FINA-A 329 Topics in Medieval Art (3 cr.) CASE A&H** Special topics in the history and study of Medieval art. May be repeated for a total of 6 credits.

**FINA-A 421 Pagans and Christians: Christian Art in the Roman Empire (4 cr.) CASE S&H, CASE GCC** Christian art and architecture as it developed within the Roman Empire (200–600).

**FINA-A 423 Romanesque Art (4 cr.) CASE S&H** Intensive analysis of the art of the eleventh and twelfth centuries. Emphasis on architecture and sculpture of England, France, Germany, Italy, and Spain.

**FINA-A 425 Heaven on Earth: Art and the Church in Byzantium (4 cr.) CASE S&H, CASE GCC** Art and architecture of the Byzantine Empire (A.D. 600–1453). Consideration of materials from the core territories of the Byzantine world (Constantinople, Asia Minor, Greece), the Byzantine commonwealth of Orthodox lands (Kievan Rus, Serbia) and Western Europe (Sicily, Venice, Crusader states).

**FINA-A 426 The Medieval City (4 cr.) CASE S&H** This course will examine the cities of Western Europe and the Islamic and Byzantine worlds from the perspective of the institutions of the city and the art and architecture they generated, including houses, fortifications, churches, town halls, guild halls, and markets. Medieval representations of the city also will be explored.

### Renaissance and Baroque Art

**FINA-A 231 The Age of Giants: Art in the Time of Leonardo and Michelangelo (3 cr.) CASE A&H, CASE GCC** Italian painting and sculpture in the time of Leonardo da Vinci (1452–1519) and Michelangelo Buonarroti (1475–1564), whose accomplishments represent what S. J. Freedberg has called the “most extraordinary intersection of genius art history has known.” Besides an overview of Italian High Renaissance art, major topics to be addressed include the rivalry between Leonardo and Michelangelo, Leonardo’s notebooks, and the reception of both artists’ works in later centuries.

**FINA-A 233 Renaissance and Baroque Art in Italy 1250–1700 (3 cr.) CASE S&H, CASE GCC** Survey of the major artists and monuments in Italy 1250–1700. Painting, sculpture, and architecture in Florence, Venice, and Rome will be given particular attention.

**FINA-A 330 Art of Renaissance and Baroque (3 cr.) CASE S&H** P: A102 or permission of instructor. Special topics in the history and study of Renaissance and

Baroque art. May be repeated with different topics for a maximum of 6 credit hours.

**FINA-A 331 Fourteenth- and Fifteenth-Century Art in Italy (3 cr.) CASE S&H** Survey of painting, sculpture, and architecture.

**FINA-A 332 Sixteenth- and Seventeenth-Century Art in Southern Europe (3 cr.) CASE S&H** P: A102. Beginnings of baroque style and the pictorial traditions, which spread from Italy to Spain and France.

**FINA-A 333 From Van Eyck to Vermeer (3 cr.) CASE S&H** R: A101, A102, or consent of instructor. Survey of major artists and themes in Netherlandish painting from the fifteenth to the seventeenth century.

**FINA-A 335 Baroque Art in Italy, 1580–1700 (3 cr.) CASE S&H** Sculpture, painting, and architecture in Italy, 1580–1700. Development of baroque style from the late sixteenth century through the period of the High Baroque in Rome, Florence, and Venice in the mid- to late-seventeenth century. Lectures, readings, and discussions will be centered around questions of stylistic progression, and the influence of patrons, socioeconomic conditions, and religion on artistic practice.

**FINA-A 337 Age of Rubens and Rembrandt (3 cr.) CASE S&H, CASE GCC** P: A102. Baroque art in northern Europe of the sixteenth and seventeenth century, emphasizing the art and culture of the Netherlands.

**FINA-A 432 Italian Art of the 16th Century (4 cr.)** Investigates art in Italy during one of its most important centuries. Focuses on the artists of central Italy including such luminaries as Leonardo da Vinci, Raphael, and Michelangelo. Examines the puzzling phenomenon of mannerism (Pomormo, Rosso, Bronzino, Parmigianino) and the warm, painterly naturalism of Venice (Giorgione, Titian).

**FINA-A 436 Italian Art of the Fifteenth Century (4 cr.) CASE S&H** Major artists and stylistic trends of fifteenth-century Italy. Special attention to Tuscan painting and sculpture and to the works of Masaccio, Ghiberti, and Donatello.

**FINA-A 437 Playing with Pictures in the Fifteenth-Century Netherlands (4 cr.) CASE S&H** Major artists and topics from the fifteenth-century Netherlands. Special attention to Bosch, van Eyck, and their contemporaries.

**FINA-A 482 Sixteenth-Century Visual Culture in Northern Europe (4 cr.) CASE A&H** Major themes and images from the Renaissance in England, France, Germany, and the Low Countries. Discussion of such notable painters and sculptors as Hieronymus Bosch, Pieter Bruegel the Elder, Albrecht Dürer, Jan Gossaert, Quentin Massys, Antonis Mor, and Veit Stoss. Issues include landscape and vicarious travel, assertions of artistic and intellectual self-sufficiency, forms of visual play, and the relationship between print and interpretive conflict.

### Modern and Contemporary Art

**FINA-A 243 History of Photography: An Introduction (3 cr.) CASE S&H** History of photography as a social and artistic practice from its invention in 1839 through present day digital imagery. Develops an understanding of the historical evolution of photography with particular attention

to the array of social meanings ascribed to the medium. Studies a range of photographic practices, including fine arts photography, political and social documentary, collage and photomontage, photo books, fashion photography, and advertising.

**FINA-A 260 1968 and Its Material Legacies (3 cr.)**

**CASE S&H** 1968 was a pivotal—some say revolutionary—year in art history. This interdisciplinary course considers how this year in particular came to represent the apotheosis of 1960's radicalism when viewed through the lens of its material legacies (painting, sculpture, graphic art, happenings, performance, and film).

**FINA-A 280 The Art of Comics (3 cr.) CASE A&H**

Analysis of the visual and narrative language of comics from the earliest newspaper strips to the graphic novels of today.

**FINA-A 336 The Graphic Novel (3 cr.) CASE A&H**

Focuses on the medium of the graphic novel (the long-form comic) from its inception in 1960's America to the present. Primary focus is on the visual-narrative aspects of the medium, as well as in-depth analysis of graphic novels in the social and cultural context in which they were produced.

**FINA-A 340 Topics in Modern Art (3 cr.)** Special topics in the history and study of nineteenth- and twentieth-century European and American art. May be repeated with different topics for a maximum of 6 credits.

**FINA-A 341 Nineteenth-Century European Art (3 cr.)**

**CASE S&H** P: A102. Survey of major artists and styles in painting and sculpture from c. 1770 to 1900, emphasizing developments in France, England, and Germany. Topics include neoclassicism, romanticism, realism, impressionism, and post-impressionism.

**FINA-A 342 Twentieth-Century Art (3 cr.) CASE S&H, CASE GCC**

P: A102. R: A341. Survey of major artists, styles, and movements in painting and sculpture from 1900 to the present in Europe and the United States. Topics include expressionism, cubism, futurism, dada, surrealism, and abstraction.

**FINA-A 345 American Art to 1913 (3 cr.) CASE S&H**

American architecture, sculpture, painting, photography, and graphics from seventeenth century to the Armory Show of 1913.

**FINA-A 348 American Architecture (3 cr.) CASE A&H**

P: A102 or permission of instructor. A survey of American architecture from the colonial period to the late twentieth century, including public, commercial, and domestic design, with emphasis on historical context and the role of architecture as signifier of social, cultural, and political ideologies.

**FINA-A 353 Art in America: 1945 to the Present (3 cr.)**

Explores how a specifically American paradigm shaped art and criticism in an era that saw the post-war rise of New York City as the center of Western art giving way to contemporary globalization. Course is thematically organized, utilizing case studies and emphasizing primary sources in art and critical literature.

**FINA-A 354 Contemporary Art: 1960 to the Present (3 cr.)**

A survey of art since 1960 that delves into issues of art production, presentation, and criticism from this period,

with topics ranging from globalization and new media, to identity and embodiment. Emphasis is placed on learning to analyze contemporary art and on finding and using primary sources.

**FINA-A 428 Comics and the Art World (3 cr.) CASE**

**A&H** Studies the interaction and cross-fertilization between cartoons and comics and the "high art" world of galleries and museums from 1900 to the present, with a focus on the United States. These connections are studied formally as well as critically, historiographically, and sociologically.

**FINA-A 434 Visual Culture of the Interwar Years (4 cr.) CASE A&H, CASE GCC**

Examines the creative practice of artists primarily in Germany, Russia and France from 1918 to 1939 with significant attention to texts that theorized social and artistic change during the interwar years. Includes the legacy of Expressionism, Dada as cultural critique, the so-called realism of the Neue Sachlichkeit, photography and cinema as new media.

**FINA-A 440 Nineteenth-Century Painting I (4 cr.) CASE**

**A&H, CASE GCC** P: Any 300-level course in art history or consent of instructor. A thematic look at neoclassical and romantic art throughout Europe.

**FINA-A 441 Nineteenth-Century Painting II (4 cr.)**

**CASE S&H, CASE GCC** P: Any 300-level course in art history or consent of instructor. Major European painters and artistic movements, particularly in France, with some coverage of the United States. Focus on cultural and intellectual milieu of each artist.

**FINA-A 442 Twentieth-Century Art, 1900–1924 (4 cr.)**

**CASE A&H, CASE GCC** P: A341, A342, or permission of the instructor. European artists and art movements of the first part of the twentieth century: Matisse, Picasso, cubism, and futurism, German expressionism, Dada, constructivism, the Bauhaus. Focus primarily on painting with some attention to sculpture, architecture, and design, with emphasis on the central concepts of modernism and the avant-garde.

**FINA-A 443 History of 20th-Century Photography (4 cr.) CASE S&H**

Surveys twentieth-century photography as a medium of art and communication. Considers portraiture, landscape, still life, the nude, conceptual photography, the social documentary tradition, the magazine picture story, fashion, advertising, and war photography. Examines the impact of postmodern theories on photographic practice and the understanding of photography.

**FINA-A 445 American Art to 1860 (4 cr.) CASE A&H**

P: A341, A342, or consent of instructor. History of art in the United States from the colonial period to the eve of the Civil War.

**FINA-A 446 American Art, 1865–1945 (4 cr.) CASE A&H**

P: A341, A342, or consent of instructor. History of art in the United States from the end of the Civil War to the end of World War II.

**FINA-A 447 Modernism and Anti-Modernism in**

**American Art, 1900–1945 (4 cr.) CASE A&H** P: A341, A342, or permission of instructor. A survey of American painting, sculpture, photography, design, and commercial art in the early Modern period. Topics include the urban realism of the "Ash Can School"; the early avant-garde;

New York Dada; the cult of the machine; regionalist painting and the American heartland; the expressionist landscape; and surrealism, American style.

**FINA-A 449 Twentieth-Century Art, 1925–Present (4 cr.)** P: A342 or A442. Painting, sculpture, and architecture 1925–1970. Main emphasis will be on American developments, including necessary historic background from the Armory Show to migration of surrealism, abstract expressionism, op, pop, minimal, and kinetic art. A world view of architecture will cover such topics as international style and new brutalism.

**FINA-A 450 History of Photography (4 cr.) CASE S&H** P: A341 or A342 or permission of instructor. Surveys the history of photography from its beginning to the mid-twentieth century, with focus on theoretical issues as well as the cultural and social contexts of photography and its practices.

**FINA-A 455 Modern Architecture and Design (4 cr.) CASE A&H, CASE GCC** Considers architectural practice and theory of the late-eighteenth, nineteenth, and twentieth centuries in light of contemporary disciplinary themes including globalization, new technologies, concepts of space, and sustainability. Highlights the social, political, intellectual, and technological forces that have influenced and continue to motivate modern design.

**FINA-A 469 Installation Art (4 cr.) CASE A&H, CASE GCC** Examination of the historical roots and development of installation art.

**FINA-A 480 Russian Art (4 cr.) CASE S&H, CASE GCC** R: One Russian history course or art history course. Russian art from the twelfth century to the present. Emphasis on the period 1850 to the present: realism, the Slavic revival, symbolism, constructivism, and socialist realism.

**FINA-A 484 Experience/Experiment: Modern and Contemporary Intersections of Art and Science (4 cr.) CASE A&H, CASE GCC** Examines how and in what circumstances the scientific study of human experience has influenced artistic practice (and vice versa) from the twentieth century through to the present day. Explores how intersections between these “two cultures” have led to creative and critical breakthroughs in both fields of study.

#### **Islamic Art**

**FINA-A 327 Survey of Islamic Art (3 cr.) CASE S&H, CASE GCC** Architecture, sculpture, and painting of Islam from its origins in the Fertile Crescent to the nineteenth century.

**FINA-A 459 The Painted Image in the Islamic World (4 cr.) CASE A&H, CASE GCC** Investigates the rich and vibrant tradition of painted imagery in the Islamic world. Uses materials that date from the Umayyad period (seventh-eighth centuries) to the early modern period to examine representational practice in the Middle East, representation of the human form in the Islamic world, illustration of narrative tales and scientific texts, and the circulation of topographical imagery through pilgrimage.

**FINA-A 489 Topics in Islamic Art (4 cr.)** Special topics in the history and study of Islamic art. May be repeated with a different topic for a maximum of 8 credit hours.

#### **Art of Africa, Oceania, and Pre-Columbian America**

**FINA-A 255 Topics in African Art History (3 cr.) CASE A&H, CASE GCC** Variable topics in African art and visual culture, including important issues and areas of the continent. May be repeated with a different topic for a maximum of 6 credit hours.

**FINA-A 350 Topics in African, Oceanic, and Pre-Columbian American Art (3 cr.)** Special topics in the history and study of African, Oceanic, and Pre-Columbian American art. May be repeated with different topics for a maximum of 6 credit hours.

**FINA-A 351 Art of the South Pacific (3 cr.) CASE S&H, CASE GCC** A one-semester survey of the visual art traditions of Australia and the South Pacific Island groups of Polynesia, Micronesia, and Melanesia. Focus on style regions, individual island styles, and the cultural and historical contexts of objects. Emphasis on traditional arts, but contemporary forms will also be discussed.

**FINA-A 352 Art of Eastern and Southern Africa (3 cr.) CASE S&H, CASE GCC** A one-semester survey of visual arts, traditions of eastern and southern Africa, examining architecture, personal arts of the body and household, religious arts, and contemporary painting and sculpture. Emphasis on the nineteenth and twentieth centuries, but some earlier traditions, such as Ethiopian Christian art and Swahili architecture, are also discussed.

**FINA-A 355 Art, Craft, and Technology in Sub-Saharan Africa (3 cr.) CASE GCC** Examination of technology, history, and uses of traditional African art materials, such as metals, ceramics, wood, and fiber. Emphasis is on furniture, textiles, decorative arts, and utilitarian objects.

**FINA-A 356 Art of Central Africa (3 cr.) CASE A&H, CASE GCC** Analysis of visual art traditions of central Africa, focusing primarily on the Democratic Republic of the Congo, but also including art from Cameroon, Gabon, Congo, Central African Republic, and Angola.

**FINA-A 452 Art of Pre-Columbian America (3-4 cr.) CASE S&H, CASE GCC** Survey of precontact arts of the Americas south of the Rio Grande. Emphasis on sculptural, architectural, and ceramic arts of ancient Mexico and Peru.

**FINA-A 453 Art of Sub-Saharan Africa I: Arts of Africa's Western Sudan (4 cr.) CASE S&H, CASE GCC** Analysis of visual art traditions of West Africa, focusing primarily on the peoples of the Western Sudan and including the area from northern Nigeria to Senegal. Emphasis on the concepts and themes that give the art its beauty, power, and social relevance for the peoples who use it.

**FINA-A 454 Art of Sub-Saharan Africa II: Arts of the West African Coast (4 cr.) CASE S&H, CASE GCC** Analysis of visual art traditions of West Africa, focusing primarily on the peoples of the Atlantic coast from Nigeria to the Republic of Guinea. Emphasis on the concepts and themes that give the art its beauty, power, and social relevance for the peoples who use it.

#### **FINA-A 458 Topics in the Ethnographic Arts (3 cr.)**

**CASE S&H** Specific themes of particular interest in the ethnographic arts. Topics will be based on art categories (such as textiles and music) or geographic areas (such as new developments in the study of central Bantu initiation

arts). May be repeated once with a different topic for a maximum of 6 credit hours.

### **Asian Art**

**FINA-A 262 Introduction to Japanese Art and Culture (3 cr.) CASE S&H, CASE GCC** A historical survey of Japanese art in the context of culture, society, and politics; the arts of traditional Buddhism; ink painting and other arts associated with the Zen sect; the created landscape, in painting and garden design; historical narratives and scenes of ordinary life; and decorative and useful things, e.g., ceramics, lacquer, textiles, and "golden screens." Credit given for only one of A262 or A362.

**FINA-A 360 Topics in East Asian Art (3 cr.) CASE A&H, CASE GCC** Topics vary; each is focused on a specific aspect or issue in East Asian art, studied in the context of social and intellectual history. May be repeated for a total of 9 hours of credit with different topics.

**FINA-A 464 Art and Archaeology of Early China (4 cr.) CASE S&H, CASE GCC** The arts of China from Neolithic times through the T'ang Dynasty (618–906 A.D.): prehistoric ceramics, ritual bronzes, jades, animal sculpture, Buddhist art, and early pictorial art. Particular attention will be paid to major archaeological discoveries, and the material will be discussed in the context of the development of Chinese culture and civilization.

**FINA-A 466 Early Chinese Painting (4 cr.) CASE S&H, CASE GCC** Chinese painting and pictorial art from the Bronze Age to the end of the Sung dynasty (A.D. 1279): tomb paintings and reliefs, Buddhist cave paintings, courtly art and imperial patronage, and landscapes. Materials and techniques, art theory, and the relationship between painting and calligraphy will also be considered.

**FINA-A 467 Later Chinese Painting (4 cr.) CASE S&H, CASE GCC** Chinese painting from the Yuan dynasty (A.D. 1279–1368) to the twentieth century: the emergence, development, and interaction of diverse painting schools; amateurs and professionals, regional styles, political and social contexts, the role of patronage and collecting, and art theory and criticism.

### **Art Theory**

**FINA-A 276 Eye of the Beholder: Art and Perception (3 cr.) CASE A&H** Introduction to the philosophy and psychology of perception as they are related to Western art theory and criticism from Plato to the present.

**FINA-A 375 Topics in Art Theory (3 cr.) CASE A&H** Special topics in the history and study of art theory. May be repeated with a different topic for a maximum of 6 credit hours.

**FINA-A 471 Art Theory I (4 cr.) CASE A&H** Art theory from antiquity through the thirteenth century. Topics include Classical Greek and Roman art theory/early Christian art theory, or Medieval art theory: East and West. May be repeated with a different topic for a maximum of 8 credit hours.

**FINA-A 472 Art Theory II (4 cr.) CASE A&H** Art theory of the late Middle Ages and the Renaissance. Topics include fourteenth- and early-fifteenth-century art theory in Italy and fifteenth-century art theory in Florence. May be repeated with a different topic for a maximum of 8 credit hours.

**FINA-A 473 Art Theory III (4 cr.) CASE A&H** Art theory of the seventeenth and eighteenth centuries. Topics include eighteenth-century background in romanticism; England and Germany or classicism and romanticism; 1750–1850 England and France. May be repeated once with a different topic for a maximum of 8 credit hours.

**FINA-A 474 Art Theory IV (4 cr.) CASE A&H** Art theory of the nineteenth and twentieth centuries. Topics include romanticism-realism in France, Baudelaire and romantic theory in France, nineteenth-century German art theory, or late-nineteenth-century French art theory. May be repeated once with a different topic for a maximum of 8 credit hours.

**FINA-A 483 Toys and the Visual Culture of Play (4 cr.)** Examines how cultures define the visual scope and nature of play. The primary objective is to arrive at a set of critical terms and skills, mated to a general historical awareness, with which to discuss this elusive subject.

### **General**

**FINA-A 300 Topics in Art History (1-3 cr.) R: FINA A102.** Specialized topics in the study of art history. May be repeated with different topics for a total of 6 credit hours.

**FINA-A 390 Museum Studies I: Methods, History, Issues (3 cr.)** Introduction to basic workings of an art museum: the history of museums, collection management, cataloging of objects. The course works closely with the IU Art Museum and its staff and, where applicable, with staff from other museums nearby.

**FINA-A 391 Museum Studies II: Museum Exhibitions (3 cr.)** Exhibitions in art museums: conception and development, budget, funding, catalogue writing and production, education and publicity. Students work with a chosen group of museum objects, normally at least partly from the IU Art Museum; the group of objects varies by course topic. Students will receive practical experience by involvement in all aspects of exhibition preparation.

**FINA-A 396 Foreign Study in History of Art (1-9 cr.)** Intended only for students participating in IU Overseas Study Program; all fine arts majors are required to obtain prior approval from undergraduate history of art advisor. May be repeated for a total of 9 credit hours.

**FINA-Y 398 Professional Practice in Fine Arts (1-6 cr.) P:** Junior standing, approval of the undergraduate advisor. Supervised, career-related work experience in a cooperating institution, agency, or business. Evaluation by employer and the undergraduate advisor. Does not count toward distribution or fine arts requirements. A maximum of 6 credit hours may be earned in Y398.

**FINA-Y 399 Professional Practice in the History of Art (1-3 cr.) P:** Available to juniors or seniors pursuing a major or minor in History of Art; minimum 3.000 overall GPA; permission of the Director of Undergraduate Studies. Supervised, career-related work experience in a cooperative institution, agency, or business. Evaluation by supervisor and the Director of Undergraduate Studies. S/F graded. Does not count toward CASE Breadth of Inquiry or Fine Arts requirements. May be repeated for a maximum of 6 credit hours.

**FINA-A 400 Senior Seminar (4 cr.)** Intensive examination of selected topics in art history. Open only to art history majors or with consent of instructor. Required for art

history honors students. May be repeated with a different topic for a maximum of 8 credit hours.

**FINA-A 476 History of Print (4 cr.) CASE S&H** History of printmaking from the earliest woodcuts and engravings (c. 1400) through the revival of wood engraving and the invention of lithography around 1800. Study of history of printmaking processes and the function of prints, the development of graphic conventions, and the styles of individual masters such as Dürer, Goltzius, Rembrandt, Goya, etc.

**FINA-A 490 Topics in Art History (3-4 cr.)** P: Senior or graduate standing or consent of instructor. Topic varies with the instructor and year and will be listed in the online Schedule of Classes. May be repeated twice for credit with different topics.

**FINA-A 495 Readings and Research in Art History (1-4 cr.)** P: Consent of instructor. May be repeated for a total of 8 credit hours.

**FINA-A 499 Senior Honors Thesis (4 cr.)** P: Approval of departmental honors committee.

## Studio

### Introductory Courses

**FINA-F 100 Fundamental Studio—Drawing (3 cr.) CASE A&H** Development of visual awareness and coordination of perceptual and manual skills; seeing, representing, and inventing on an experimental, exploratory level in two dimensions. Includes placement, scale, volume, light, formal articulation, and investigations of graphic tools and media.

**FINA-F 101 Fundamental Studio—3D (3 cr.) CASE A&H** Volume, space, material, and physical force studies provide the basis for exploration of three-dimensional form; includes carving, construction, and modeling, using wood, plaster, clay, etc.

**FINA-F 102 Fundamental Studio—2D (3 cr.) CASE A&H** Color, shape, line, and value structures are studied as the basis for exploration of two-dimensional spatial relationships; includes investigation of conventional and invented tools and media.

**FINA-N 110 Introduction to Studio Art for Nonmajors (3 cr.) CASE A&H** Introduction to the visual language of the studio arts. Students learn and apply the basic elements of design and begin to understand the principles of organization. Through the exploration of a variety of two-dimensional and three-dimensional media (drawing, painting, wire, and clay) students become familiar with basic techniques used to develop art works.

### Ceramics

**FINA-S 260 Ceramics I (3 cr.) CASE A&H** A limited introduction to handbuilding, throwing, glaze mixing, and glaze application, including lectures on basic ceramic techniques. Critiques of student work.

**FINA-S 361 Ceramics II (3 cr.) CASE A&H** P: S260. Continued practice in forming and glazing, with emphasis on wheel throwing, surface decoration, and kiln firing techniques. Instruction through lectures, demonstrations, and critiques. May be repeated once.

**FINA-S 461 Ceramics III (1-20 cr.)** P: 6 credit hours in ceramics or consent of the instructor. Further practice

in advanced ceramic techniques. Instruction through lectures, demonstrations, and critiques. Topics vary by instructor and semester. Consult the online Schedule of Classes for current information on content. May be repeated with different topics/instructors for a total of 20 credit hours.

**FINA-S 462 B.F.A. Ceramics (1-60 cr.)** P: Admission to the B.F.A. program in ceramics. Directed advanced study and production of a body of work leading to an exhibition. Students meet independently with instructor and in groups for critiques and lectures to maintain a dialogue with contemporary issues and to provide technical advice. May be repeated for a total of 60 credit hours.

**FINA-S 469 B.F.A. Ceramics Seminar (1 cr.)** P: Admission to the B.F.A. program in ceramics. Discussions, critiques, and research projects in ceramic art. Required each semester for B.F.A. candidates in ceramics. May be repeated for a total of 10 credit hours.

**FINA-R 478 History of Ceramics (3 cr.)** Emphasis on the historical development of pottery in individual cultures, as well as how one culture's pottery has influenced another's. No credit in History of Art.

### Digital Art

**FINA-N 130 Digital Imagery for Nonmajors (3 cr.) CASE A&H** Lecture course introduces nonmajors to the fundamental practice of creating art imagery using digital software. Demonstrations and optional hands-on lab sessions emphasize technical production in Photoshop and Illustrator. Art projects created in Photoshop and lecture topics focus on aesthetic approaches and issues facing artists working in contemporary digital imaging.

**FINA-D 210 Digital Art: Survey and Practice (3 cr.) CASE A&H** Beginning class on digital media's role in the world of art production and reception. Class emphasizes learning to use digital media to produce original, creative art work. Topics include digital imaging, communicative art, and interactivity. Credit given for only one of D210 or T230.

**FINA-D 310 Interactive Multimedia (3 cr.)** P: D210 or T230, and portfolio review. A study of the principles and fundamental techniques for creating multimedia projects that explore their potential for critical artistic expression. The course will examine issues specific to onscreen interaction and time-based media. Tools such as Flash, Dreamweaver, and other supporting programs will be covered. Credit given for only one of D310 or T330.

**FINA-D 317 Video Art (3 cr.) CASE A&H** P: F100, F101 or F102 or D210, or portfolio review. Exploration of the medium of video as an aesthetic expression. Time and sound are elements incorporated into visual composition's traditional concerns. Emphasis on technical command of video camera and digital editing procedures in conjunction with development of a visual sensitivity. Readings and a research project are required. Credit given for only one of D317 or T320.

**FINA-D 318 3D Computer Graphics (3 cr.)** P: Consent of the instructor. Hands-on studio course exploring the technical development of three-dimensional computer graphics for state-of-the-art display systems. Students will investigate user-interface design, create 3D graphical environments, and explore the parallel drives toward

content creation and visual aesthetics. Credit given for only one of D318 or T340.

**FINA-D 410 Advanced Multimedia (1-6 cr.)** P: D310 or T330, and permission of instructor. A broad range of aesthetic and conceptual issues related to digital material and electronic interactivity. Students are encouraged to develop art projects using digital multimedia, video, hypertext, or the incorporation of object-based media. Dialogue of timely issues through readings, screenings, websites, and gallery visits. May be repeated for a combined maximum of 20 credit hours in D410 and T430.

**FINA-D 411 B.F.A. Digital Art Seminar (1 cr.)** P: Admission into the B.F.A. program in digital art. Weekly or biweekly seminar that includes critiques of student work, discussion of special topics, assigned readings, multimedia lectures, visiting artist lectures, and special research projects. May be repeated for a maximum of 10 credit hours.

**FINA-D 412 B.F.A. Digital Art (1-6 cr.)** P: Admission into the B.F.A. program in digital art. Directed, advanced study and production of a body of work leading to B.F.A. exhibition. Students meet independently with instructor and in group critiques to maintain a dialogue and provide technical advice. May be repeated for a maximum of 60 credit hours.

**FINA-D 417 Digital Video (1-6 cr.)** P: D317 or T320. Advanced study of video's potential in contemporary fine art practice. Students will create a new visual vocabulary using the latest technology including high-definition video systems and interactive DVD authoring. Covers special effects and animation programs that allow artists to further explore the aesthetics of time-based media. May be repeated for a combined maximum of 20 credit hours in D417 and T420.

**FINA-D 418 Computer Graphical Environments (1-6 cr.)** P: Consent of instructor. Students develop 3D graphic environments to visualize and conceptualize creative constructs for virtual environments, explore art and spatial simulation, including animation, interaction, lighting, and design. Dialogue of timely issues is encouraged based on readings, videos, CD-ROMs and visits to galleries, websites and alternative spaces. May be repeated for a combined maximum of 20 credit hours in D418 and T440.

**FINA-D 419 Special Topics in Digital Art (3 cr.)** P: D210 or T230, and permission of instructor. Special topics in computer-related art production. May be repeated for a combined maximum of 6 credit hours in D419 and T338.

**FINA-T 439 Advanced Digital Media Project (2-6 cr.)** Independent project of digital media under the supervision and consultation of the instructor. May be repeated for a maximum of 12 credit hours.

#### Drawing

**FINA-S 200 Drawing I (3 cr.) CASE A&H** P: F100, F101, and F102. Preliminary course for advancement in drawing, stressing basic visual awareness; seeing, representing, and technical command on a two-dimensional surface. Problems in handling placement, scale, space, volume, light, and formal articulation.

**FINA-S 301 Drawing II (3 cr.) CASE A&H** P: S200. Intermediate course in drawing from the model and other

sources. Emphasis on technical command of the media in conjunction with the development of a visual awareness. Continued problems in the articulation of space, scale, volume, value, and linear sensitivity. May be repeated once.

**FINA-S 401 Drawing III (1-20 cr.)** P: S301. Advanced drawing. Continuation of S301. May be repeated for a total of 20 credit hours.

**FINA-S 403 Anatomy for the Artist (3 cr.)** P: F100, S200. Intensive lecture/studio course describing all of the bones and muscles of the body. The emphasis is on joint movement and proportion. The areas of the body are divided into 3D mass conception, bone and muscle description, and joint description. Students draw from the skeleton, plaster cadaver casts, and the human figure.

**FINA-S 405 B.F.A. Drawing (1-6 cr.)** Concentrated tutorial in the drawing craft. Craftsmanship, content, and personal style are stressed. May be repeated for a total of 60 credit hours.

#### Textiles

**FINA-S 220 Textiles I (3 cr.) CASE A&H** An introduction to textiles and fiber-related techniques and concepts. This survey course investigates a variety of materials and processes including resist dyeing, printing, and felting, emphasizing the expressive potential of each of these techniques through demonstrations, lectures, and critiques.

**FINA-S 321 Textiles II (3 cr.) CASE A&H** P: S220 or instructor permission. Expands students' technical, creative, and critical abilities when working with textile-related materials, processes, and concepts. Rotating semester topics include resist-dyeing, repeat-pattern design, screenprinting, weaving, pieced construction, single-line and off-loom construction. May be repeated for a maximum of 6 credit hours.

**FINA-S 421 Textiles III (1-20 cr.)** P: S321. A continued exploration of textile-related materials, processes, and concepts with an emphasis on independent investigation and production. May be repeated for a total of 20 credit hours.

**FINA-S 422 B.F.A. Textiles (1-60 cr.)** Intensive study in textile-related materials, processes, and concepts through the production of a body of work reflecting the student's individual interests. Regular individual meetings and group critiques are planned to foster dialogue and provide additional support. May be repeated for a total of 60 credit hours.

#### Graphic Design

**FINA-S 250 Introduction to Design Practice (3 cr.) CASE A&H** P: F100, F101, F102. Drawing and perception in the history and practice of visual communication, including a basic introduction to the field and exercises with pencil, marker, computer, and other tools, to produce symbols, letter forms, and symbol-letter combinations.

**FINA-S 351 Typography I (3 cr.) CASE A&H** P: S250 and consent of instructor. Studies in visual communication with an emphasis on typography, including measurement and structure, detail and refinement, hierarchy and legibility, tools, and application to various media in

digital and print formats. An introduction to type history, aesthetics and analysis are also considered.

**FINA-S 352 Production for the Graphic Designer (3 cr.)**

**CASE A&H** P: S351 and consent of instructor. A thorough set of practical exercises that combine design projects with related information about both presentation of ideas and printing of finished designs.

**FINA-S 451 Graphic Design Problem Solving (1-20 cr.)**

P: S352 and consent of instructor. Professional problem solving in graphic design. Using a variety of mediums to communicate messages, students apply processes from printing to multimedia as appropriate for directed projects. May be repeated for a total of 20 credit hours.

**FINA-S 452 B.F.A. Graphic Design (1-60 cr.)** Directed,

advanced study in graphic design. See description of B.F.A. program for studio majors. May be repeated for a total of 60 credit hours.

**FINA-S 455 Practice and History of Graphic Design (3 cr.)**

P: S250, S351, S352, and consent of instructor. Examines the history of graphic design with a focus on Western Civilization and comparisons to other cultures. Design projects and reports by students provide graphic design experience and reflection on the historical topics covered.

**FINA-S 459 Graphic Design Advanced Seminar:**

**Topics in History, Theory, and Criticism (3 cr.)** P: FINA S352 and permission of instructor. Background on major graphic design movements, the design of the alphabet and type styles, the use of tools (printing press, wood cut, engraving, camera, airbrush, computer). Social and political forces such as industrial development and nationalism will be considered. Writings of theorists and historians will be reviewed. Recommended for B.F.A. students in graphic design. May be repeated for a total of 12 credit hours.

**Metalsmithing and Jewelry Design**

**FINA-S 280 Metalsmithing and Jewelry Design I (3 cr.)**

**CASE A&H** P: F101, F102, or consent of instructor.

Introductory course for exploring metalworking and jewelry design as a serious form of creative expression. Focuses on the basic techniques of piercing of metals, soldering, sheet metal construction, surface embellishment, mechanical joining, wire forming and forging, stretching of sheet metals, and various metal finishing techniques.

**FINA-S 381 Metalsmithing and Jewelry Design II (3 cr.)**

**CASE A&H** P: S280. Extensive designing and model making for exploring forms and ideas in metal and mixed media, either as jewelry, hollowware objects, flatware, tea strainers and infusers, boxes, or small-scale sculpture. Focus on techniques of angle raising, repoussé and chasing, forging of flatware, stone setting, and lost-wax casting, jewelry mechanisms, hinge making, and patination of metals. May be repeated for a maximum of 6 credit hours.

**FINA-S 481 Metalsmithing and Jewelry Design III (1-20 cr.)**

P: S381. Improves and expands knowledge and skill in metalsmithing and jewelry design. Guidance toward developing a personal direction of creative expression, artistic aesthetic, and art philosophy. Advanced techniques include large-scale vessel forming from sheet metal, large-scale soldering, die forming, jewelry

mechanisms, chain making, chasing and repoussé, enameling, stone cutting, PNP etching, and working with alternative materials. May be repeated for a total of 20 credit hours.

**FINA-S 482 B.F.A. Metalsmithing and Jewelry**

**Design (1-60 cr.)** P: Admission to the B.F.A. program in metalsmithing, formal review of work. Mentor-directed, independent study in jewelry and metalsmithing leading to the development of a professional portfolio and a B.F.A. thesis exhibition. Creation of a cohesive body of work for application to graduate school or to begin working as a professional metalsmith or jeweler. May be repeated for a total of 60 credit hours.

**FINA-S 485 B.F.A. Metalsmithing Seminar (1 cr.)**

P: Admission to the B.F.A. program in metalsmithing. Seminar in metalsmithing and jewelry design that includes critiques of students' work, discussion of readings, special projects, slide lectures, technical demonstrations, visiting artist lectures, and exhibitions. Guidance toward developing a personal direction of creative expression, artistic aesthetic, and art philosophy. May be repeated for a total of 10 credit hours.

**Painting**

**FINA-S 230 Painting I (3 cr.)** **CASE A&H** P: F100, F101, and F102. Preliminary course for advancement in painting; exploring technical and visual aspects of color media. Emphasis on media command and structural problems in painting. Media: oil and acrylics.

**FINA-S 331 Painting II (3 cr.)** **CASE A&H** P: S230.

Intermediate course in painting from the model and other sources. Emphasis on technical command and understanding of the components of painting space, color, volume, value, and scale. Media: oil or acrylics. May be repeated once.

**FINA-S 431 Painting III (1-60 cr.)** P: S331. Advanced course in painting. Continuation of S331. May be repeated for a total of 20 credit hours.

**FINA-S 432 B.F.A. Painting (1-60 cr.)** P: S431.

Concentrated studio projects within the framework of the B.F.A. painting program. (See description of the B.F.A. program.) May be repeated for a total of 60 credit hours.

**FINA-S 439 B.F.A. Painting Seminar (1 cr.)** Advanced

study in painting. Weekly review of student work with attention to content, craftsmanship, intent, and resources. Periodic discussions of art history with slide material to illustrate painting problems and concepts. Group participation stressed. Open to B.F.A. painters only. May be repeated for a total of 10 credit hours.

**Photography**

**FINA-N 198 Introduction to Photography for Non-**

**Majors (3 cr.)** **CASE A&H** A contemporary introduction to fine art photography. Covers technical, aesthetic and historical issues of quality image making. Assigned projects demonstrate and develop conceptual and technical understanding of materials. Discussions provide hands-on technical assistance and help in editing and critiquing visual assignments. Requires a digital SLR camera or a digital camera with full manual controls.

**FINA-S 291 Fundamentals of Photography (3 cr.)**

**CASE A&H** Basic practice of digital camera operation, exposure calculation, exposing, image file management,

image optimization and digital printing. Guidance toward establishment of a personal photographic aesthetic. A digital SLR camera is required.

#### **FINA-S 392 Intermediate Photography (3 cr.) CASE**

**A&H** P: S291 or consent of instructor. Practice of black-and-white photography: camera work, darkroom practices, appreciation of photographs, and experience in expressive use of the medium.

**FINA-S 492 B.F.A. Photography (1-60 cr.)** May be repeated for a total of 60 credit hours.

#### **FINA-S 493 Advanced Photography (1-12 cr.)** P: S392

and consent of instructor. Emphasizes advanced conceptual and technical development in digital and traditional photographic media and the expansion of creative possibilities. Topics vary. May include such topics as alternative processes, advanced Photoshop, documentary and large format photography, photographic theory, installation art, and black and white darkroom practice. May be repeated for a total of 12 credit hours.

#### **Printmaking**

##### **FINA-S 240 Basic Printmaking Media (3 cr.) CASE**

**A&H** Introduction to printmaking. Emphasis on three basic media: intaglio, lithography, and silk screen. Problems in pictorial composition and drawing. Study of the interrelationships of all graphic media.

##### **FINA-S 341 Printmaking II—Intaglio (3 cr.) CASE A&H**

P: S240. Advanced study with emphasis on intaglio. Problems in pictorial composition and drawing stressed.

##### **FINA-S 343 Printmaking II—Lithography (3 cr.)**

**CASE A&H** P: S240. Advanced study with emphasis on lithography. Problems in pictorial composition and drawing stressed.

##### **FINA-S 344 Printmaking II—Silk Screen (3 cr.) CASE**

**A&H** P: S240. Advanced study with emphasis on silk screen. Problems in pictorial composition and drawing stressed.

##### **FINA-S 441 Printmaking III—Intaglio (1-20 cr.)** P: S341.

Advanced work in intaglio for qualified students. This course is also open for non-M.F.A. printmaking students on the graduate level. May be repeated for a total of 20 credit hours.

##### **FINA-S 442 B.F.A. Printmaking (1-60 cr.)** Directed study in printmaking. May be repeated for a total of 60 credit hours.

##### **FINA-S 443 Printmaking III—Lithography (1-20 cr.)**

P: S343. Advanced work in lithography for qualified students. This course is also open for non-M.F.A. printmaking students on the graduate level. May be repeated for a total of 20 credit hours.

##### **FINA-S 444 Printmaking III—Silk Screen (1-20 cr.)**

P: S344. Advanced work in silk screen for qualified students. This course is also open for non-M.F.A. printmaking students on the graduate level. May be repeated for a total of 20 credit hours.

##### **FINA-S 445 Relief Printmaking Media (1-3 cr.)** P: S240

or consent of instructor. Relief printmaking media: woodcut, linocut, monotype, and collograph. Students create prints in each medium in both black-and-white and color using a variety of traditional and innovative

techniques such as photo and the computer. May be repeated for a total of 20 credit hours.

#### **FINA-S 449 B.F.A. Printmaking Seminar (2 cr.)** Open to B.F.A. printmakers. Required each semester. Seminars will have different topics taught by printmaking faculty on a rotating basis. Special printmaking projects, critiques, and artists' lectures related to the field of printmaking.

Historical, technical, and conceptual issues discussed. Group critiques held once a month as part of the seminar. May be repeated with different topics for a total of 20 credit hours.

#### **Sculpture**

##### **FINA-S 270 Sculpture I (3 cr.) CASE A&H** P: F101.

Foundation in basic technical and formal methods of traditional and contemporary sculpture. Use of tools and equipment for additive and subtractive techniques including wood construction, steel fabrication, clay modeling, plaster mold making and cold casting, and assemblage. Emphasis placed on technical execution, conceptualization, and creative problem solving.

##### **FINA-S 271 Introduction to Figurative Sculpture (3 cr.)**

**CASE A&H** Figurative sculpture has been the traditional method of introducing students to form, space, and proportion in sculpture. Students work from the model with clay, creating sculpture from observation.

##### **FINA-S 371 Sculpture II (3 cr.) CASE A&H** P: S270

or consent of instructor. Development of skills in both traditional and contemporary sculpture methodology. Rotating semester topics may include figurative sculpture, carving, casting, steel/wood construction, computer-aided machining and rapid prototyping, installation art, and public art. Emphasis on the exploration of ideas through the sculptural form and knowledge of materials and historical traditions. May be repeated for a maximum of 6 credit hours.

##### **FINA-S 471 Sculpture III (3-6 cr.)** P: S371 or consent of instructor.

Advanced work in sculpture for qualified students working in the chosen materials. The course focuses on the development of ideas as manifest in sculptural form. May be repeated for a total of 20 credit hours.

##### **FINA-S 472 B.F.A. Sculpture (1-7 cr.)** Production of a body of work reflecting the student's specific interests.

Students meet independently with professor and in group critiques to maintain a dialogue and provide technical advice. Open to B.F.A. degree majors only. May be repeated for a total of 60 credit hours.

##### **FINA-S 479 B.F.A. Sculpture Seminar (1 cr.)**

P: Admission into the B.F.A. sculpture program. Weekly critiques, assigned readings, discussions, slide lectures, and special research projects. May be repeated for a total of 10 credit hours.

#### **General**

##### **FINA-G 400 B.F.A. Final Review (0 cr.)** Final portfolio review for B.F.A. program.

##### **FINA-U 201 Special Topics in Studio Art (1-3 cr.)**

Selected introductory-level topics not ordinarily covered in other studio art courses. May be repeated once with a different topic for a maximum of 6 credit hours.

**FINA-U 301 Special Topics in Studio Art (1-3 cr.)**

Selected intermediate-level topics not ordinarily covered in other studio art courses. May be repeated once with a different topic for a maximum of 6 credit hours.

**FINA-U 400 Sources and Resources: Professional Skills in Fine Arts (1-3 cr.)** P: B.F.A. major or advanced B.A. studio art major. Focuses on building professional skills for careers in art. Seminar format will be structured to foster individual growth and insight in understanding both conceptual and practical concerns of choosing to be an artist. May be repeated with different topics for a total of 6 credit hours.

**FINA-U 401 Special Topics in Studio Art (1-3 cr.)**

Selected topics in studio art not ordinarily covered in other departmental courses. May be repeated once with a different topic.

**FINA-U 402 Technical Resources in Studio Art (1-3 cr.)** Special aspects of studio training in the various disciplines focusing on technical and safety issues of equipment use and/or chemical substances. May include advanced aspects of technologies in studio areas and preparation for use of facilities in independent studio projects. May be repeated once with a different topic.

**FINA-R 408 Contemporary Art Issues and Cultural Themes (3 cr.)** Focus is on artwork from 1980 to the present. Historical references and cultural theory are considered to provoke thoughts about the intersections between art and culture.

**FINA-U 450 Independent Studio Projects (1-3 cr.)**

Individual studio projects under guidance of faculty member or committee. Does not fulfill a specific course requirement for a fine arts major. May be repeated for a maximum of 6 credit hours.

## Folklore and Ethnomusicology

### Introduction

The Department of Folklore and Ethnomusicology (FOLK) offers a major that includes the study of performance, specific cultures and regions, human diversity and worldview, and research methods. Folklore and ethnomusicology emphasize fieldwork methods to learn how societies function. Fieldwork involves documenting and learning about people's lives, expressions, and beliefs in context. Through the study of different social groups and cultures, students gain skills in observation, analysis, documentation, reporting, and multicultural understanding. The study of folklore and ethnomusicology taps capacities we possess as human beings and develops the qualities we need to be informed and responsible people.

Many courses in folklore and ethnomusicology fulfill Breadth of Inquiry and Culture Studies requirements. There are opportunities for direct student-faculty contact through individual and collaborative research, such as fieldwork projects, specially designed readings courses, internships in arts and cultural organizations, and performance. Additionally, the departmental honors program provides students with the opportunity to pursue an in-depth research project under the close supervision

of a faculty member. Students may make use of the department's archives and state-of-the-art laboratory for sound-video analysis and production.

"Folk" can refer to any group of people—from any economic, religious, generational, or ethnic background—who share a common interest. As a form of communication, folklore is created when people interact with one another. "Lore" represents the knowledge and artistry of a group in forms such as stories and jokes, art, architecture, music, dance, custom, belief, ritual, and festival. Folklore interprets, diffuses, or incites pressure points in modern society.

Ethnomusicology is the study of music of all types and from all cultures. Ethnomusicologists not only listen to the sounds of music within particular cultures and events but also inquire into people's ideas and beliefs about music. Ethnomusicology explores the role of music in human life, analyzes relationships between music and culture, and studies music cross-culturally.

### Contact Information

Folklore and Ethnomusicology  
Indiana University  
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[folklore@indiana.edu](mailto:folklore@indiana.edu)  
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### Faculty

#### Chairperson

- Diane E. Goldstein

#### Director, Folklore Institute

- Diane E. Goldstein

#### Director, Ethnomusicology Institute

- Daniel Reed

#### Professors

- Mellonee Burnim
- Diane E. Goldstein
- John H. McDowell
- Ruth M. Stone

#### Associate Professors

- Michael Dylan Foster
- Jason Baird Jackson
- Daniel B. Reed
- Gregory A. Schrempp
- Pravina Shukla

#### Assistant Professors

- Javier León
- David Anthony McDonald

#### Visiting Lecturers

- Brandon Barker
- Kate Horigan
- Allan Mugishagwe

#### Adjunct Professors

- John Bodnar (History)
- Raymond DeMallie (Anthropology)

- Iris Rosa (African American and African Diaspora Studies)
- Anya Peterson Royce (Anthropology)
- Eric Sandweiss (History)

#### **Adjunct Associate Professors**

- Jane E. Goodman (Communication and Culture)
- Lynn M. Hooker (Central Eurasian Studies)
- Stephanie C. Kane (Criminal Justice)
- Susan Seizer (Communication and Culture)

#### **Senior Lecturers**

- Fernando Orejuela
- Sue Tuohy

#### **Professors Emeriti**

##### **College Professor**

- Henry H. Glassie

##### **Distinguished Professors**

- Richard Bauman
- Linda Dégh

##### **Laura Boulton Professor**

- Portia K. Maultsby

#### **Professors**

- Mary Ellen Brown
- Sandra K. Dolby
- Hasan M. El-Shamy
- William Hansen (Classical Studies)
- Roger L. Janelli
- John Johnson
- Lewis Rowell (Jacobs School of Music)
- William Wiggins, Jr. (African American and African Diaspora Studies)

#### **Associate Scholar**

- Inta Gale Carpenter (Emerita)

#### **Director of Undergraduate Studies**

- Pravina Shukla, 506 N. Fess Avenue, (812) 855-0390

#### **Academic Advising**

- Krystie Herndon, Fine Arts 136, (812) 855-1056

## **Major in Folklore and Ethnomusicology**

#### **Purpose**

The major prepares students for a range of careers, including those involving the arts, education, historic preservation, communication, cross-cultural understanding, and human diversity and relations. Upon entering the program, the student and undergraduate advisor plan an individualized program of study. Majors may focus on either ethnomusicology or folklore, or a combination of the two.

#### **Required Courses**

Students must complete a minimum of 30 credit hours in folklore and ethnomusicology courses, including:

1. F401 Methods and Theories
2. F497 Advanced Seminar
3. One additional 400-level course
4. Two 300-level courses

5. One additional course at the 300-400 level.
6. No more than 6 credit hours at the 100 level.
7. A maximum of two approved courses from other disciplines for students completing a single major in folklore.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### **Double Major**

Students may combine the study of folklore and ethnomusicology with degrees in other departments. The requirements for the Major in Folklore and Ethnomusicology are the same for the double major as for the single major. Students completing a double major must consult with advisors in each major regarding stipulations.

## **Minor in Folklore and Ethnomusicology**

#### **Required Courses**

Students must complete at least 15 credit hours in folklore and ethnomusicology courses, with at least 9 credit hours at the 300–400 level, including:

1. F401 Methods and Theories
2. One 300-level course
3. One additional course at the 300-400 level
4. Two additional courses at any level

## **Departmental Honors Program**

Outstanding students pursuing a major in Folklore and Ethnomusicology are encouraged to apply for the departmental honors program, which provides students with the opportunity to pursue an in-depth research project under the close supervision of a faculty member.

Interested students should consult with the Honors Program Advisor (the Director of Undergraduate Studies) about the full procedures for applying to the departmental honors program and choosing a Thesis Director. To be eligible for admission, a student must have a 3.500 GPA in Folklore and Ethnomusicology and a 3.300 GPA in university courses.

To graduate with departmental honors in Folklore and Ethnomusicology, students must:

- compile a 3.500 GPA in Folklore and Ethnomusicology and a 3.300 GPA in university courses;
- fulfill all of the requirements for a major in Folklore and Ethnomusicology;
- complete—in addition to the requirements for the major—FOLK-F 399 Reading for Honors (3 cr.) and FOLK-F 499 Honors Thesis (3 cr.), preferably sequentially;
- submit a 35–50 page thesis or project to a three-person committee;
- present the thesis or project at an oral defense.

## **Course Descriptions**

Note: Prerequisites for any 300- or 400-level course are indicated in the online *Schedule of Classes* when the course is offered. If no prerequisite or special permission is indicated, the student may assume that none is required.

**FOLK-F 101 Introduction to Folklore (3 cr.) CASE A&H**

A view of the main forms and varieties of folklore and folk expression in tales, ballads, gestures, beliefs, games, proverbs, riddles, and traditional arts and crafts. The role of folklore in the life of human beings.

**FOLK-F 111 World Music and Culture (3 cr.) CASE A&H**

Introduction to ethnomusicology and the cross-cultural study of music and culture. Explores music, performance, and ideas from around the world. Analyzes the role music plays in human life, including a variety of social, political, and personal contexts. Music training is not required.

**FOLK-E 112 Black Music of Two Worlds (3 cr.) CASE A&H, CASE GCC**

An exploration of the relationships among musics of West and Central African people and their descendants in the United States, Latin America, and the Caribbean. Emphasis placed on the conceptual and aesthetic continuities between musical expression in Old and New World contexts—a uniformity which exists because of shared African cultural ancestry. Credit given for only one of FOLK E112, FOLK F112, or AAAD A112.

**FOLK-F 121 World Arts and Cultures (3 cr.) CASE S&H**

Surveying the customary arts of the world's peoples offers a means of comprehending the human condition today. This course explores how culture is made manifest, especially in such media as landscapes, architecture, material culture, and expressive performances. A sampling of world arts, it also provides an introduction to folklife studies.

**FOLK-F 131 Folklore in the United States (3 cr.) CASE A&H**

Folklore and traditional expressive behavior in the United States. Traditional arts, ideas, and practices of folk groups in the United States, including ethnic, occupational, regional, and religious groups.

**FOLK-F 205 Folklore in Video and Film (3 cr.) CASE A&H**

Acquaints students with a few of the current systems of folk belief diffused, reinforced, and, in some cases, originated by film and video, both in the form of the documentary and the feature-length drama. Aids students in the process of thinking and writing critically about the content, meaning, and social function of these modern forms of information systems.

**FOLK-F 210 Myth, Legend, and Popular Science (3 cr.) CASE S&H**

Compares three genres—myths, legends, and popular science—and asks about the ways in which they converge and diverge, and about the features of each that might lead us to believe their claims.

**FOLK-F 215 Health and Morbidity in Traditional Cultures (3 cr.) CASE S&H**

Focuses on concepts of health and illness in traditional cultures and societies. Addresses a variety of cross-cultural situations from the East and the West; special emphasis on Middle Eastern Arab traditions (Muslim, Christian, and Jewish). A student may conduct research on a traditional community in any part of the world.

**FOLK-F 225 Forms of Commemoration (3 cr.) CASE A&H**

Examines forms of commemoration in order to define their essential features and to describe how they operate in society. Highlights folk commemoration, those informal modes of remembrance that are a part of community tradition.

**FOLK-F 230 Music in Social Movements (3 cr.) CASE S&H**

Examines music in sociopolitical movements, ranging from political and cultural revolutions to government-sponsored campaigns, environmental, and social activism. Explores concepts about the transformative power of music and of organized groups of people, analyzing the practices of movements aimed at changing perception and behavior.

**FOLK-F 235 Personal Narratives: A Course in Folklore and Literature (3 cr.) CASE A&H**

Examines how writers and oral storytellers use personal experience narratives.

Though personal narratives are not traditional, they can be studied using the concepts and methods developed to

study both folklore and literature.

**FOLK-F 252 Folklore and the Humanities (3 cr.) CASE A&H**

Basic theoretical approaches to the study of folklore, emphasizing the relationship to other humanistic disciplines such as literary and religious studies and history. May be repeated for a total of 6 credits when topics vary.

**FOLK-F 253 Folklore and the Social Sciences (3 cr.) CASE S&H**

Basic theoretical approaches to the study of folklore, emphasizing the relationship to other social science disciplines such as semiotics and anthropology. May be repeated for a total of 6 credits when topics vary.

**FOLK-F 256 The Supernatural and Folklore (3 cr.) CASE A&H, CASE GCC**

Examines patterns of belief and the features of supernatural folklore to understand the nature of surviving and declining tradition. Focuses on the phenomenological features of supernatural traditions; explanatory frameworks and their internal logic; means of developing and maintaining belief; functions and structures of belief traditions; and relationships between genres of belief. Emphasis on the ethnography of belief systems.

**FOLK-F 275 Indigenous Worldviews (3 cr.) CASE S&H, CASE GCC**

A survey of some basic aspects of indigenous lifeways, this course introduces comparative cultural analysis, providing a foundational course for those interested in thinking about how others think and how we think about otherness. Students will examine mythology, ritual, health, art, and philosophy within the context of colonialism and globalization.

**FOLK-F 290 Myth, Ritual, Symbol (3 cr.) CASE S&H**

Regardless of culture or religion, the triad of myth, ritual, and symbol encompass the ways all humans come to understand their societies and themselves. This class offers a cross-cultural, humanistic, and interdisciplinary approach to learning how we believe and know through stories, ceremonies, and art.

**FOLK-E 295 Survey of Hip Hop (3 cr.) CASE A&H, CASE DUS**

Examines rap music and hip hop culture as artistic and sociocultural phenomena with emphasis on historical, cultural, economic, and political contexts. Topics include the coexistence of various hip hop styles, their appropriation by the music industry, and controversies resulting from the exploitation of hip hop as a commodity for national and global consumption. Credit given for only one of FOLK E295, FOLK F295, and AAAD A295.

**FOLK-E 297 Popular Music of Black America (3 cr.) CASE A&H, CASE DUS**

A chronological survey of Black

popular music from 1945–2000: rhythm and blues, soul, funk, disco, hip hop, and their derivative forms. Emphasis placed on the context for evolution and the contributions of African Americans to the development of a multibillion dollar music industry. Credit given for only one of FOLK E297, FOLK F397, AAAD A297, or AAAD A397.

**FOLK-F 301 African Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE GCC** Folklore, folklife, or folk music as aspects of African culture. The functions of folklore forms and performances within traditional societies and emergent nations. May be repeated once when topics vary.

**FOLK-E 302 Music in African Life (3 cr.) CASE A&H, CASE GCC** Study of how Africans create, perform, think about, and use music in their lives. Topics include traditional and popular musical styles in relationship to social and historical contexts, as well as translocal, transnational, and global cultural and musical exchanges in which Africans participate.

**FOLK-E 303 Zimbabwean Mbira Performance Ensemble (3 cr.) CASE A&H, CASE GCC** Introduction to Zimbabwean music through a combination of applied music making and lecture/discussions. Students learn to play the Zimbabwean Mbira and various percussion instruments.

**FOLK-F 305 Asian Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE GCC** Forms and functions of folklore, folklife, or folk music in the traditional and developing societies of Asia. Folklore as a reflection of culture. Relationship between folklore forms and belief systems in Asia. May be repeated once when topics vary.

**FOLK-F 307 Middle Eastern Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE GCC** Folk traditions of the Arabic, Persian- and Turkish-speaking peoples, including folk festivals, rituals, folk dances, music, theatre, and verbal behaviors; the influence of Islam. May be repeated for a total of 6 credits when topics vary.

**FOLK-F 308 Middle Eastern and Arab Mythology (3 cr.) CASE A&H** Examines "mythological" belief systems and related manifestations that exist as quasi-formal religious ideologies in Middle Eastern communities. Emphasis is placed on Arab groups and Islam-based ideologies. (Other groups may be selected for the student's research. Arabic language may be selected on individual basis for reading/research.) May be repeated for a total of 6 credits when topics vary.

**FOLK-F 312 European Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE GCC** Expressions of regional cultures and emerging nations of Europe. Social functions of folklore and folk music in rural and urban communities. May be repeated for a total of 6 credits when topics vary.

**FOLK-F 315 Latin American Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE GCC** Cultural and functional analysis of traditional folklore or music genres developed in the cultures of Latin America. Emphasis on origin and the diffusion of folklore, folklife, and folk music as well as the peoples. May be repeated once when topics vary.

**FOLK-F 320 Pacific Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE GCC** Folklore, folklife, music, and dance of Australia, New Zealand, and native Oceanic

societies. Topics include the cultures of aboriginal and settler populations, retention and adaptation of aboriginal materials, and the emergence of "native" traditions among the settler and immigrant groups. May be repeated once when topics vary.

**FOLK-F 330 Folk Culture and Related Fields (3 cr.)**

**CASE S&H** Studies of folk culture in relationship to other fields. Focuses on such interdisciplinary topics as folk culture in relationship to language, literature, psychology, history, religion, sociology, musicology, or anthropology. May be repeated with a different topic for a total of 6 credit hours.

**FOLK-E 345 Hip Hop Music and Culture (3 cr.) CASE A&H, CASE DUS P:** Junior or senior standing. Examines

rap music as artistic and sociological phenomena with emphasis on its historical and political contexts. Credit given for only one of FOLK E345, FOLK F389, AAAD A345, or AAAD A489.

**FOLK-F 351 North American Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE DUS** Folk and popular

traditions of the United States and Canada. Topics include the social base of American folklore, prominent genres of American folklore, folklife, and folk music, national or regional character, and American folk style. May be repeated once when topics vary.

**FOLK-F 352 Native American Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE DUS** Comparative

examination of various verbal, musical, and dance forms of Native American societies. Consideration of cultural systems of Native Americans within the context of general American culture. May be repeated once when topics vary.

**FOLK-F 353 Native American Film and Video (3 cr.) CASE S&H, CASE DUS** Introduction to the study of

Native American images and representations. Focuses on ethnographic, documentary, animated, and feature films from 1920 to the present. Surveying the themes of assimilation, contemporary politics, and religiosity, students will watch films, read articles, and respond to both mediums critically.

**FOLK-F 354 African American Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE DUS** African American

culture in the United States viewed in terms of history and social change. Folklore, folk music, and oral history as means of illuminating black culture and history. May be repeated once when topics vary.

**FOLK-F 356 Chicano Folklore/Folklife/Folk Music (3 cr.) CASE A&H, CASE DUS** The folk traditions of

Mexican Americans as a reflection of the historical experience and cultural identity of this people within the United States. Mexican heritage, Anglo and black influences, and the blending of these elements into a unique cultural entity. May be repeated once when topics vary.

**FOLK-F 357 American Jewish Popular Music (3 cr.) CASE A&H, CASE DUS** How does a small minority

population create its own "popular music"? This course explores the many ways American Jews have addressed the idea of popular music over the last century by examining how American Jewish communities have adapted popular music styles, built up music stars, and

created music labels and production companies. Credit given for only one of F357 or JSTU-J 357.

**FOLK-F 358 Jewish Folklore/Folklife/Folk Music (3 cr.)**  
**CASE A&H** Study of Jewish experience throughout the ages as reflected in the folklore of biblical, talmudic, and midrashic materials and in medieval and contemporary settings, including America. Analysis of folkloric expression in religion, literature, humor, music, folklife, and art. May be repeated once when topics vary.

**FOLK-F 359 Exploring Jewish Identity Today (3 cr.)**  
**CASE S&H, CASE DUS** When people describe what they believe, do, create, or experience as "Jewish," what do they mean? Using multiple perspectives and multiple forms of media, we will explore how different communities—from orthodox Jews to evangelical Christians—incorporate senses of Judaism into their cultural, religious, racial, ethnic, and artistic identities. Credit given for only one of F359 or JSTU-J 359.

**FOLK-F 360 Indiana Folklore/Folklife/Folk Music (3 cr.)**  
**CASE A&H, CASE DUS** Survey of folklore, folklife, or folk music of Indiana. Students are encouraged to do fieldwork in the state. May be repeated once when topics vary.

**FOLK-F 361 Traditional Arts Indiana: Documenting Indiana Traditions (3 cr.)** **CASE DUS** Through hands-on activities, students will explore Indiana's cultural diversity and learn cultural documentation and presentation techniques, as they identify, document, and present the traditional arts. Topics vary. Focuses each year on specific folk groups, community, or genre of Indiana folklore. May be repeated with a different topic for a total of 6 credit hours.

**FOLK-F 363 Women's Folklore/Folklife/Folk Music (3 cr.)** **CASE A&H, CASE DUS** Focuses on women's folk traditions in terms of life cycle and role and explores the range of women's occupations and related traditional knowledge. Looks at women as traditional verbal, visual, or musical artists. May be repeated once when topics vary.

**FOLK-F 364 Children's Folklore/Folklife/Folk Music (3 cr.)** **CASE A&H, CASE DUS** The traditional rhymes, riddles, stories, games, folklife, or music associated with "the culture of childhood." The role these forms play in peer-group activity and in the social and cognitive development of the child. May be repeated once when topics vary.

**FOLK-F 369 Aliens, Psychics, and Ghosts (3 cr.)**  
**CASE A&H** How do people make sense of their worlds and experiences? The study of folklore provides a unique answer through the study of narrative, symbolic expression, and discourse analysis. This course brings folk beliefs into conversation with scientific method, and examines the different ways in which people come to view or understand the uncanny.

**FOLK-F 377 Popular Culture and Politics in the Middle East (3 cr.)** **CASE A&H, CASE GCC** Through ethnographic case studies, this course examines the dynamics of popular culture and mass media in the Middle East, including the Arabic speaking nations of Israel, Turkey, Iran, and North Africa.

**FOLK-E 388 Motown (3 cr.)** **CASE A&H, CASE DUS** A survey of the development of Motown Record Corporation,

Detroit Era (1959–1972). Through lecture, discussion, guided listening, and visual experiences, the course studies the musical works, creative processes, business practices, historical events, media, technology, and sociocultural factors that contributed to Motown's identity as a unique artistic and cultural phenomenon. Credit given for only one of E388, AAAD A388, or AAAD A389.

**FOLK-E 394 Survey of African American Music (3 cr.)**  
**CASE A&H, CASE DUS** A chronological survey of sacred and secular African American musical traditions in North America from the African past to the present. Emphasis placed on context for evolution, musical processes and aesthetics, interrelationships among genres and musical change, issues of gender, and music as resistance. Credit given for only one of FOLK E394, AAAD A394, or MUS M394.

**FOLK-F 399 Readings for Honors (3 cr.)** P: Approval of instructor and honors advisor. Independent but guided readings in preparation for the honors thesis in Folklore and Ethnomusicology.

**FOLK-F 400 Individual Study in Folklore (1-3 cr.)**  
P: Must have prior arrangement with and consent of the faculty member(s) supervising research. May include fieldwork or library research components. May be repeated for up to 6 credit hours with the permission of the chair.

**FOLK-F 401 Methods and Theories (3 cr.)** **CASE S&H** Introduces students to the main methods and theories in the two fields composing Folklore and Ethnomusicology. Explores both the common ground linking these fields and some key areas of difference, delving into basic aspects of method and theory as practiced by folklorists and ethnomusicologists.

**FOLK-F 402 Traditional Arts Indiana (1-3 cr.)** Designed as a practicum for students to work collaboratively in applying the methods and approaches of folklore studies to public needs and public programs. Students will engage in a variety of outreach projects linking the university to the larger community in the areas of public arts and culture and cultural documentation. May be repeated once when topics vary.

**FOLK-F 403 Practicum in Folklore/Ethnomusicology (1-3 cr.)** P: Must have prior arrangement with and consent of the faculty member(s) supervising work. Supervised work in public programs such as arts agencies, museums, historical commissions, and archives, including those housed at IU. Relevant readings and written report required. May be repeated for up to 6 credit hours with permission of chair.

**FOLK-F 404 Topics in Folklore/Folklife/Folk Music (3 cr.)** **CASE A&H** Explores in depth a particular topic in the study of folklore, folklife, or music. Courses of an unusual, integrative, or experimental nature. May be repeated for a total of 6 credits when topics vary.

**FOLK-F 405 Studying Ethnomusicology (3 cr.)** **CASE S&H** Introduces the field of ethnomusicology through reading, writing, and ethnomusicological research. Emphasizes the study of music in social contexts, and the study of society from a musical perspective. Designed for students interested in the study of music in human life as

well as in cross-cultural approaches to the study of music and culture.

**FOLK-E 407 Applied Ethnomusicology and Folklore: Media Productions (3 cr.)** Examines the application of ethnomusicology and folklore training in media productions for cultural institutions and commercial industries. A focus on the role of humanists as researchers, consultants, music supervisors, and filmmakers for public media institutions (i.e., PBS, BBC, NPR, PRI), multimedia production companies, and commercial film industries.

**FOLK-F 410 Multimedia in Ethnomusicology (3 cr.) CASE A&H** This course explores the use of multimedia technology in five basic areas of ethnographic activity: field research, laboratory research (transcription and analysis), preservation, presentation, and publication. Knowledge of technological concepts and skill development in the use of various technologies are pursued through a project-based approach which emphasizes learning by doing. Evaluation is based on demonstration of competencies through successful completion of projects. The class is structured to include both lecture and lab components.

**FOLK-F 420 Forms of Folklore/Folklife/Folk Music (3 cr.) CASE A&H** Examination of selected forms of folklore, folk music, craft, or performance, with attention given to content, form, and function of the selected forms as well as the variety of theories and methodologies employed in their study. May be repeated twice when topics vary.

**FOLK-F 430 Folklore and Related Disciplines (3 cr.) CASE S&H** Advanced studies of folklore and/or ethnomusicology in relationship to other disciplines. Focuses on such interdisciplinary topics as folklore and literature, folklore and psychology, folklore and history, folklore and religion, or folklore, culture, and society. May be repeated twice when topics vary.

**FOLK-F 440 Folklife and Material Culture Studies (3 cr.) CASE A&H** The perspective of folklife studies. Material culture presented within the context of folklife, with attention to the role of folk museums, folklife research methods, and the history of folklife research. May be repeated once when topics vary.

**FOLK-F 450 Music in Religious Thought and Experience (3 cr.) CASE A&H** Explores the roles of music in select religious traditions of the world. Comparative analysis of relationships between music and ritual, religious music and popular culture, sacred music and mass media, music and religious identity, and music and trance. Focus on major world religious traditions, local traditions, and combinations thereof.

**FOLK-F 492 Traditional Musical Instruments (3 cr.) CASE A&H** Classification, distribution, and diffusion of folk and traditional musical instruments. Construction and performance practices. Relation to cultural and physical environment. Demonstration with instruments in the collection of the Mathers Museum.

**FOLK-F 494 Transcription and Analysis of Traditional Music (3 cr.) CASE A&H** P: Consent of instructor. Survey of theories and methods applied in transcription, analysis,

and classification of traditional music. Application of methods to selected recordings.

**FOLK-E 496 African American Religious Music (3 cr.) CASE A&H, CASE DUS** An in-depth investigation of Negro spirituals and gospel music, with some treatment of the traditions of lining-out and shape note singing. Examination of genres will address and integrate both the musical and the socio-cultural perspectives. Credit given for only one of E496 or AAAD-A 496.

**FOLK-F 497 Advanced Seminar (3 cr.) CASE S&H**

This is the final integrating course in the department, required of all majors and open to qualified students in other departments, with the instructor's approval. Topics of individual research will vary.

**FOLK-F 499 Honors Thesis (3 cr.)** P: Approval of program honors committee. Guided research culminating in an honors thesis under the direction of a faculty member and reviewed in oral examination by three faculty members. May be repeated once for credit.

## Related Courses

### African American and African Diaspora Studies

- AAAD-A 112 Black Music of Two Worlds (3 cr.) **CASE A&H, CASE GCC**
- AAAD-A 290 Sociocultural Perspective of African American Music (3 cr.) **CASE A&H, CASE DUS**
- AAAD-A 292 African American Folklore (3 cr.) **CASE A&H, CASE DUS**
- AAAD-A 295 Survey of Hip Hop (3 cr.) **CASE A&H, CASE DUS**
- AAAD-A 297 Popular Music of Black America (3 cr.) **CASE A&H, CASE DUS**
- AAAD-A 345 Rap Music (3 cr.) **CASE A&H, CASE DUS**
- AAAD-A 496 Black Religious Music (3 cr.) **CASE A&H, CASE DUS**

### Central Eurasian Studies

- CEUS-R 349 Topics in Hungarian Studies (3 cr.) Topic: European Folk Musics **CASE A&H, CASE GCC**

### Classical Studies

- CLAS-C 205 Classical Mythology (3 cr.) **CASE A&H, CASE GCC**

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## French and Italian

### Introduction

The Department of French and Italian (FRIT) offers majors in both French and Italian leading to the B.A. degree. Through study in our department, students can gain proficiency in reading, writing, listening, and speaking in French and Italian, as well as explore the literature and culture of Italy, France, and various francophone countries throughout the world. In addition, the French program offers basic courses in linguistics to discover the structure and development of the language.

## Contact Information

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(812) 855-1952  
[fritdept@indiana.edu](mailto:fritdept@indiana.edu)

<http://www.indiana.edu/~frithome>

## Faculty

### Chairperson

- Andrea Ciccarelli

### Professors

- Laurent Dekydtspotter
- Eileen Julien
- Eric MacPhail
- Jacques Merceron
- Emanuel Mickel
- Colleen Ryan
- H. Wayne Storey
- Antonio Vitti

### Associate Professors

- Guillaume Ansart
- Marco Arnaudo
- Julie Auger
- Brett Bowles
- Margaret Gray
- Oana Panaïté
- Kevin Rottet
- Massimo Scalabrin
- Barbara Vance

### Assistant Professors

- Hall Bjørnstad
- Alison Calhoun
- Nicolas Valazza

### Senior Lecturer

- Kelly Sax

### Lecturers

- Karolina Serafin
- Alicia Vitti

### Academic Advising, French

- Associate Professor Barbara Vance, Ballantine Hall 617, (812) 855-2702
- [mnuznov@indiana.edu](mailto:mnuznov@indiana.edu), Memorial E. M25, 855-6270

### Academic Advising, Italian

- Associate Professor Massimo Scalabrin, Ballantine Hall 634, (812) 855-8044
- [mnuznov@indiana.edu](mailto:mnuznov@indiana.edu), Memorial E. M25, 855-6270

## Secondary Teacher Certification

Candidates for teaching certification should consult their academic advisor and the [School of Education's World Languages Program](#). Students wishing to combine their French or Italian major with another discipline should consult with the undergraduate advisors.

## Major in French

### Required Courses

Students must complete 30 credit hours in French courses above F100-F150, including at least 27 credit hours from courses taught in French. A maximum of 3 credit hours may be earned by completing courses taught in English offered through the French program (FRIT-F courses). Course work must include:

1. F313.
2. 6 credit hours from F222, F305, F306, F310, F311, F361, F362, F363, F375. At least 3 of these credit hours must be earned in courses taught in French.
3. 15 additional credit hours with at least 11 credit hours in fourth-year courses, including at least two 3 credit hour FRIT-F courses taken on the Bloomington campus, exclusive of F495, F496, and F499.

Students should also note:

- F499 may count for up to 3 credit hours toward the French major, but F399, F495, and F496 may not count toward the 30 credit hours required.
- A minimum of 18 credit hours of course work for the major must be completed on the Bloomington campus or on an IU-administered or IU co-sponsored French-language study abroad program.
- F399, F495, F496, and F499 do not count as courses in residence at IUB.

The departmental course offerings permit French majors to focus their study on French language and linguistics (F313-F314, F315-F316, F401, F402, F474, F475), French literature (F305, F306, F375, F410 through F459), Francophone civilization (F310, F311, F361, F362, F363, F460 through F467), or any combination of the above.

Students must complete the degree requirements of the College of Arts and Sciences.

## Minor in French

### Required Courses

15 credit hours in French past the third semester, including:

1. F250.
2. F300 (must be taken on the Bloomington campus).
3. 9 additional credit hours of 300–400 level courses, including:
  - one course from the following: F305, F306, F361, F362, F363, F375
  - one course from the following: F313, F315, F316
4. Two courses at the 300–400 level must be taken on the Bloomington campus, and one of these two courses must be F300. If F250 is satisfied through a placement exam and validation course then the student must take three courses at the 300–400 level on the Bloomington campus (and one of these must be F300).

**Note:** No credit in the minor will be given for those courses listed in the Bulletin as carrying no credit toward the major.

## Major in Italian

### Required Courses

Students must complete 30 credit hours in Italian courses above M100-M150, including at least:

1. 7 credit hours in fourth-year courses including at least one 3 credit, fourth-year course taken on the Bloomington campus, exclusive of M495, M496, and M499.
2. 25 credit hours must be earned by completing courses taught in Italian; the remaining credit hours may be earned by completing courses taught in English offered through the Italian program (FRIT-M courses).
3. At least 18 credit hours at the 300–400 level.
4. A minimum of 18 credit hours on the Bloomington campus.

Students must also complete the degree requirements of the College of Arts and Sciences.

## Minor in Italian

### Required Courses

At least 15 credit hours of course work past the second semester, including:

1. M200 and M250, or M215.
2. At least two courses from among M300, M301, M305, M306, M307, M308, M390.
3. At least one course at the 400 level.

## Departmental Honors Program

Superior students are encouraged to pursue independent study and research through enrollment in "Reading for Honors" courses and the preparation of an honors thesis at the senior level. Foreign travel is encouraged, and credit may be earned for intensive study in a foreign country. Students interested in the honors program should contact the French and Italian academic advisors. Enrollment in F499 or M499 during the senior year is required.

## Overseas Study

IU offers overseas study opportunities in French- and Italian-speaking areas through programs spanning a summer, semester, or entire academic year. Outstanding students with an appropriate command of French or Italian may apply for a year's study, with full credit, in the IU programs at the University of Aix-en-Provence or at the University of Bologna; participation is not limited to French or Italian majors. For one semester or one summer of study abroad, there are French programs in Aix-en-Provence, Rennes, Paris, and Quebec and Italian programs in Bologna, Florence, Milan, and Rome (some programs are open even to beginners). For further information, contact the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304.

## French Club

The French Club is for students interested in practicing the French language and exploring French and Francophone cultures. The Club sponsors a French table every other week and a French/Francophone film series each semester. Social and cultural events, such as a *soirée québécoise* and game night, are also organized by its

members. For more information consult [the departmental website](#).

## Circolo Italiano

The *Circolo* is the department's Italian club, which meets regularly to allow students the opportunity to converse in Italian in congenial surroundings. The *Circolo* presents a film series each semester, showing four or five films on a certain theme. At the end of each fall semester, *Circolo* hosts a talent show and holiday party. For further information see [the departmental website](#).

## Course Descriptions

### Culture and Theory Courses

**FRIT-G 275 Thematic Studies (3 cr.) CASE A&H, CASE GCC** A theoretical introduction to the concept of theme in literary, visual and cultural analysis, followed by discussion of relevant variations of a specific theme drawn from French and/or Italian culture, as a case study for the semester. No credit for minor or major in French or Italian. May be repeated with a different topic for a maximum of 6 credit hours.

### Courses in French Language, Literature, and Civilization

**FRIT-F 100 Elementary French I (4 cr.)** Introduction to French language and selected aspects of French civilization and culture. Credit given for only one of F100, F115, or F491.

### FRIT-F 102 Beginning French Conversation I (1 cr.)

C: F100. This companion course to F100 gives beginning students the opportunity to practice conversational French in a relaxed setting with peers. Led by advanced students of French working under faculty guidance, group activities may include discussion, games, magazine/newspaper/movie discussions, cultural events, cooking, etc. S/F grading. No credit for French major.

### FRIT-F 115 Accelerated Elementary French (4 cr.)

P: Consent of department. An accelerated treatment of material covered in both F100 and F150 designed for superior students and students with previous training in another foreign language. Credit given for only one of F115 or F100; credit given for only one of F115 or F150.

### FRIT-F 125 Studies in French Culture (3 cr.) CASE

**A&H** Introduction to French culture through the study of a particular topic in the arts and humanities, such as film, literature, fine arts, and music. Taught in English. No credit for French major. May be repeated with a different topic for a total of 6 credit hours.

### FRIT-F 126 Studies in French Civilization (3 cr.) CASE

**S&H** Introduction to French civilization through the study of a particular topic in the social or historical sciences, such as the French Revolution, history of colonialism, World War II, the student movements of 1968. Taught in English. No credit for French major. May be repeated with a different topic for a total of 6 credit hours.

### FRIT-F 150 Elementary French II: Language and Culture (4 cr.)

P: F100. Basic structures of the French language and selected topics of French civilization and culture. Credit given for only one of F115, F150, or F491.

### FRIT-F 152 Beginning French Conversation II (1 cr.)

C: F150. This companion course to F150 gives beginning

students the opportunity to practice conversational French in a relaxed setting with peers. Led by advanced students of French working under faculty guidance, group activities may include discussion, games, magazine/newspaper/movie discussions, cultural events, cooking, etc. S/F grading. No credit for French major.

**FRIT-F 200 Second-Year French I: Language and Culture (3 cr.)** P: F150 or equivalent. Grammar, composition, conversation coordinated with the study of cultural texts. Credit given for only one of the following fourth-semester courses: F250 or F265.

**FRIT-F 202 Intermediate French Conversation I (1 cr.)** C: F200. This companion course to F200 gives intermediate students the opportunity to practice conversational French in a relaxed setting with peers. Led by advanced students of French working under faculty guidance, group activities may include discussion, games, magazine/newspaper/movie discussions, cultural events, cooking, etc. S/F grading. No credit for French major.

**FRIT-F 222 Francophone Media Studies (3 cr.) CASE A&H, CASE GCC** Study of the concepts of medium/media and mass media as they appear in the Francophone World, based on specific case studies and theoretical readings. Exploration of the ways in which Francophone people constantly interact with media in North America, Europe and Africa in a digital age.

**FRIT-F 250 Second-Year French II: Language and Culture (3 cr.)** Grammar, composition, conversation coordinated with the study of cultural texts. Credit given for only one of the following fourth-semester courses: F250 or F265.

**FRIT-F 251 Service Learning Practicum in French Teaching (1 cr.)** P: F200. Students develop and teach basic French lessons in area elementary schools under the guidance of their instructor. Requirements include four school visits, five planning meetings, and four written reflective statements. S/F grading. No credit for French major.

**FRIT-F 252 Intermediate French Conversation II (1 cr.)** C: F250. This companion course to F250 gives intermediate students the opportunity to practice conversational French in a relaxed setting with peers. Led by advanced students of French working under faculty guidance, group activities may include discussion, games, magazine/newspaper/movie discussions, cultural events, cooking, etc. S/F grading. No credit for French major.

**FRIT-F 265 Accelerated Second-Year French (4 cr.)** P: F115, F150, or equivalent. An accelerated treatment of material covered in both F200 and F250. Grammar, composition, and conversation coordinated with readings of short texts. Students who complete F265 cannot also receive credit for F200 or F250.

**FRIT-F 296 Foreign Study in France (1-6 cr.)** P: Acceptance into an approved IU overseas study program. Credit for foreign study in French language or literature when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 6 credit hours.

**FRIT-F 300 Reading and Expression in French (3 cr.) CASE A&H** P: F250 or F265, or consent of department. This course introduces students to different levels of style

and expression and to written argumentation in French. Texts representing various periods and literary genres provide the basis for in-class discussion and for exercises designed to develop oral and written fluency. Conducted in French. Credit given for only one of F300 or S300.

**FRIT-S 300 Reading and Expression in French—Honors (3 cr.) CASE A&H** P: F250 or F265, or consent of department. This course introduces students to different levels of style and expression and to written argumentation in French. It is a version of F300 for honors students. Credit given for only one of F300 or S300.

**FRIT-F 305 Théâtre et essai (3 cr.) CASE A&H** P: F300 or equivalent. Drama and literature of ideas. Dramatists such as Corneille, Racine, Molière, Beaumarchais, and Sartre; essayists and philosophers such as Descartes, Pascal, Voltaire, Diderot, and Camus. Lectures and discussion in French.

**FRIT-F 306 Roman et poésie (3 cr.) CASE A&H** P: F300 or equivalent. Novel and poetry. Novelists such as Balzac, Flaubert, and Proust; readings in anthologies stressing sixteenth-, nineteenth-, and twentieth-century poetry. Lectures and discussion in French.

**FRIT-F 310 Topics in French/Francophone Culture (3 cr.) CASE A&H, CASE GCC** Exploration of a particular theme, movement, or period within French/ Francophone culture and society. Taught in English. No credit for French major.

**FRIT-F 311 French/Francophone Studies Through Film (3 cr.) CASE A&H, CASE GCC** Study of contemporary France and/or other Francophone countries through film in political, social, and cultural context. No credit for French major. May be repeated with a different topic for a maximum of 6 credit hours. Credit given for only one of F311 or F461.

**FRIT-F 313 Advanced Grammar (3 cr.)** P: F250. Intensive study of French grammar including in-depth review and exploration of advanced topics such as the passive, the causative, and indirect discourse.

**FRIT-F 314 Advanced Composition (3 cr.)** P: F250 or equivalent. Designed to improve command of written French and build vocabulary through intensive writing. Students gain familiarity with a variety of literary, expository, and communicative writing styles. Preparation for 300-level literature classes.

**FRIT-F 315 Phonetics and Pronunciation (4 cr.)** P: F250. Five meetings per week: three lectures on problems of pronunciation and phonetic transcription, and two oral practice sessions.

**FRIT-F 316 Conversational Practice (3 cr.)** P: F250. Three meetings per week plus optional listening comprehension and oral practice in the language laboratory. Development of communicative and speaking skills.

**FRIT-F 317 French in the Business World (3 cr.) CASE S&H** P: F250 or equivalent. Study of the language of business activities in France, with an introduction to the structure and functioning of various aspects of French economic life. Useful for students preparing for the proficiency examinations of the Chambre de Commerce de Paris.

**FRIT-F 361 La France medievale (jusqu'à 1500) (3 cr.) CASE A&H, CASE GCC P:** F300 or equivalent. France's major political, religious, and economic characteristics from roughly 500 to 1500. Key moments and aspects include the Carolingian empire, feudalism, the Capetian and Valois monarchs, lords, knights and castles, women, peasants and merchants, the Crusades, the Hundred Years' War, the twilight of the Middle Ages.

**FRIT-F 362 La France 1500–1800 (3 cr.) CASE A&H, CASE GCC P:** F300 or equivalent. An introduction to the cultural history of France from the Renaissance to the Revolution. The emergence of new forms of political power, of sociability and of religious creeds, along with a variety of cultural phenomena that shaped national identity, popular culture, and daily life.

**FRIT-F 363 La France 1800–aujourd'hui (3 cr.) CASE A&H, CASE GCC P:** F300 or equivalent. The evolution of French history, society, and culture from Napoleon's Empire to the Postcolonial era. Key concepts and events of this period include Romanticism, the Paris Commune, the Dreyfus Affair, Impressionism, First and Second World Wars, Feminism, May 1968, immigration and multiculturalism.

**FRIT-F 375 Thèmes et perspectives littéraires (3 cr.) CASE A&H, CASE GCC P:** F300 or equivalent. Study of a specific subject or theme, such as society and the individual, the tragic hero from the seventeenth to the twentieth century, comedy, and satire. All work in French. May be repeated with a different topic for a maximum of 6 credit hours.

**FRIT-F 396 Foreign Study in French (1-6 cr.)**  
P: Acceptance into an approved IU overseas study program. Credit for foreign study in French language or literature when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 6 credit hours.

**FRIT-F 399 Reading for Honors (1-12 cr.)** P: Approval of departmental honors advisor.

#### 400-Level French Courses

Prerequisites for 400-level courses in literature or civilization: two courses chosen from F305, F306, F310, F311, F361, F362, F363, and F375. For work in literature, however, at least one of these must be F305, F306, or F375. For other 400-level courses, see individual listings.

**FRIT-F 401 Structure and Development of French (3 cr.) CASE S&H P:** F313 or F314 or consent of instructor. Introductory description of the structure of present-day French, including problems of social and geographical variation. Discussion of the highlights of the development of the French language from its formative period to the present.

**FRIT-F 402 Introduction to French Linguistics (3 cr.) CASE N&M P:** F313 or F314 or consent of instructor. Introduction to the structure of the French language: phonology, morphology, and syntax.

**FRIT-F 410 French Literature of the Middle Ages (3 cr.) CASE A&H, CASE GCC** Introduction to Old French language and major literary works. Readings may be broadly representative of the period or reflect a particular thematic concern.

**FRIT-F 413 French Renaissance (3 cr.) CASE A&H**  
Rabelais, Montaigne, the Pleiade, and others.

**FRIT-F 423 Seventeenth-Century French Literature (3 cr.)** Esthetic and intellectual traditions such as the Baroque, *libertinage érudit*, preciosity, the moralists, and classicism. Genres include poetry, fiction, theater, the epistle, memoirs, and the essay.

**FRIT-F 424 Ideas and Culture in Seventeenth-Century France (3 cr.)** Study of political ideology and theory, images and text, scientific and philosophic innovation, social mores, or social and religious institutions. Focus on absolutism, religious controversies, social and intellectual status of women, or other issues.

**FRIT-F 435 Enlightenment Narrative (3 cr.) CASE A&H**  
Narratives in the form of letters, memoirs, dialogues, and tales. Writers such as Marivaux, Prevost, Voltaire, Diderot, Mme de Charrière, Constant, Chateaubriand. Social, political, and cultural interchange between the writer and his/her world, from classicism to romanticism.

**FRIT-F 436 Voltaire, Diderot, and Rousseau (3 cr.)**  
**CASE A&H** Three great writers of the eighteenth century; their versatility, sensitivity, and appeal; their relations with each other and their society; their pan-European impact. Voltaire: action, tale, and satire. Diderot: knowledge, dialogue, and vitality. Rousseau: idealization, testimony, and vision.

**FRIT-F 443 Great Novels of the Nineteenth Century (3 cr.) CASE A&H** Novelists such as Stendhal, Balzac, Flaubert, and Zola.

**FRIT-F 445 Nineteenth-Century Drama (3 cr.)** Survey of the important movements in nineteenth-century theatre: romanticism, realism and naturalism, symbolism.

**FRIT-F 446 Great Poetry of the Nineteenth Century (3 cr.) CASE A&H** Poets such as Hugo, Desbordes-Valmore, Baudelaire, Rimbaud, and Mallarmé.

**FRIT-F 450 Colloquium in French Studies—Tradition and Ideas (3 cr.) CASE A&H, CASE GCC P:** Two of the following: F305, F306, or F375; or consent of the instructor. Emphasis on one topic, author, or genre. May be repeated with a different topic for a maximum of 9 credit hours for any combination of F450 and F451.

**FRIT-F 451 Colloquium in French Studies—Literature and Arts (3 cr.) CASE A&H, CASE GCC P:** Two of the following: F305, F306, or F375; or consent of the instructor. Emphasis on one topic, author, or genre. May be repeated with a different topic for a maximum of 9 credit hours for any combination of F451 and F450.

**FRIT-F 452 Capstone Course for French Majors (3 cr.)**  
Through the study of contemporary France, this course solidifies the writing and speaking skills of French majors as they conduct research, write a substantial paper, and give a presentation on a topic of their choice. Sample topics include politics, fine arts, literature, and history. Conducted entirely in French.

**FRIT-F 455 Le Roman au 20e siècle (3 cr.) CASE A&H, CASE GCC** Survey of important novelists of the 20th and 21st centuries, or seminar on one particular writer, movement, or time period. Credit given for only one of F455 or F453-F454.

**FRIT-F 456 La Poésie au 20e siècle (3 cr.) CASE A&H**

Richness and diversity of twentieth century French poetry: poets such as Chédid, Apollinaire, Valéry, *les surréalistes*, Ponge, Saint-John Perse.

**FRIT-F 459 Le Théâtre au 20e siècle (3 cr.) CASE**

**A&H, CASE GCC** Precursors of the non-realistic theater; playwrights include Jarry, Apollinaire, and Cocteau. Surrealism; plays by Vitrac. Theater of ideas; playwrights include Anouilh, Giraudoux, Sartre. Theater of the absurd; playwrights include Beckett, Adamov, Arrabal, Ionesco, and Genet. Lectures and discussions in French.

**FRIT-F 460 La francophonie nord-américaine (3 cr.)**

**CASE A&H, CASE GCC** History of the different French-speaking communities of Canada and the United States. Study of the different manifestations of their cultures: their language, music, traditions, cuisine, literature, and cinema. Also examines the impact these cultures have had on the surrounding English-speaking communities.

**FRIT-F 461 La France contemporaine: cinéma et**

**culture (3 cr.) CASE GCC** France since 1945: political, social, economic, and cultural aspects (including film). Course conducted in French. Credit given for only one of F311 or F461.

**FRIT-F 463 Civilisation française I (3 cr.) CASE**

**GCC** French civilization from medieval period through seventeenth century: art, architecture, music, thought.

**FRIT-F 464 Civilisation française II (3 cr.) CASE**

**GCC** French civilization from eighteenth century to contemporary period: art, architecture, music, thought.

**FRIT-F 467 French Beyond the Hexagon (3 cr.)**

Introduction to the literature, film, and popular culture of one or more French-speaking zones—Quebec, the Antilles, the Indian Ocean Islands, Southeast Asia, North Africa, or sub-Saharan Africa. May be repeated with a different topic for a maximum of 6 credit hours.

**FRIT-F 474 Thème et version (3 cr.)**

P: F313-F314. Translation of selected passages, alternating between English and French, to teach students to write with precision and clarity in both languages. May be taken by graduate students in preparation for F574.

**FRIT-F 475 Le Français oral: cours avancé (2 cr.)**

P: F316 or equivalent.

**FRIT-F 477 French Conversation Group Leadership**

**(1 cr.)** Under the guidance of their instructor, advanced students of French facilitate weekly French conversation groups for lower level students. Leaders are responsible for planning all group sessions, including discussion topics generated by magazine/newspaper articles and movies, and activities such as games and cooking. No credit for French major. May be repeated for a total of 4 credit hours.

**FRIT-F 495 Individual Readings in French (1-3 cr.)**

P: Consent of department. Does not count as F400-level course in residence for major. May be repeated with different topics for a total of 9 credit hours.

**FRIT-F 496 Foreign Study in French (3-8 cr.)**

P: Consent of chairperson. Course involves planning of research project during year preceding summer abroad. Time spent in research abroad must amount to at least one week for each credit hour granted. Research paper

must be presented by end of semester following foreign study. Does not count as F400-level course in residence for major. May be taken once only.

**FRIT-F 499 Reading for Honors (1-12 cr.)**

P: Approval of departmental honors advisor. Does not count as F400-level course in residence for major.

**Courses in Italian Language, Literature, and Civilization**

**FRIT-M 100 Elementary Italian I (4 cr.)** Introduction to contemporary Italian language, geography, and culture. Involves a broad variety of assignments and activities that develop grammatical competency and proficiency in listening, speaking, reading, and writing. Cultural topics and simple cultural comparisons are introduced. Credit given for only one of the following: M100, M110, M115, or M491.

**FRIT-M 110 Italian Language through Opera (4 cr.)**

P: Consent of department. An analysis of the Italian language through a close reading of the librettos of the major Italian operas. Combines language lessons of M100 and M150 into one semester. Recommended for music students with previous foreign language experience. Students who complete M110 cannot also receive credit for M100, M115, or M150.

**FRIT-M 115 Accelerated Elementary Italian (4 cr.)**

P: Consent of department. An accelerated treatment of material covered in both M100 and M150 designed for highly motivated students and students with previous language training. Students who complete M115 cannot also receive credit for M100, M110, M150, or M491.

**FRIT-M 150 Elementary Italian II (4 cr.)**

P: M100. Continued introduction to contemporary Italian language, geography, and culture. Involves a broad variety of assignments and activities that build grammatical competency and proficiency in listening, speaking, reading, and writing. Practice with new cultural topics and basic cultural analysis. Credit given for only one of the following: M110, M115, M150, or M491.

**FRIT-M 200 Intermediate Italian I (3 cr.)**

P: M110, M115, M150, or equivalent. Building on Elementary Italian I and II, students further study and practice fundamental concepts and structures in Italian grammar. Through a variety of assignments and activities, they strengthen proficiency in listening, speaking, reading, writing, cultural analysis and understanding. Includes an introduction to brief literary texts. Credit given for only one of M200 or M215.

**FRIT-M 215 Accelerated Second-Year Italian (4 cr.)**

P: M115 or equivalent, and consent of instructor. An accelerated treatment of material covered in both M200 and M250. Designed for students who have completed M115 and other highly motivated students, students with extensive experience with another language, and/or students who aspire to study abroad. Credit given for only one of the following: M215 or M200-M250.

**FRIT-M 222 Topics in Italian Culture (3 cr.) CASE A&H,**

**CASE GCC** Selected readings emphasizing a particular author, genre, or theme in Italian culture. Interdisciplinary approach combining political, historical, social, and artistic methods. Subjects vary from semester to semester and are listed in the online *Schedule of Classes*. May be

repeated with a different topic for a maximum of 6 credit hours.

**FRIT-M 234 Florence in Florence (3 cr.) CASE A&H, CASE GCC** Offered only through the Overseas Study summer program in Florence. Analysis of some specific problem, theme, or author connected with Florentine history, art, literature, or culture between the age of Dante and Giotto in the thirteenth century to the era of Machiavelli and Michelangelo in the sixteenth century. Variable topic.

**FRIT-M 235 Rome, the City and the Myth (3 cr.) CASE A&H, CASE GCC** An interdisciplinary survey of the role of Rome and Roman mythology in the postclassical culture of Italy from the humanist movement to the present. Major Italian artists, writers, musicians, and social thinkers to be treated include Petrarch, Machiavelli, Vivaldi, Tiepolo, Canova, Piranesi, Mussolini, and Fellini.

**FRIT-M 236 Dante's Divine Comedy (3 cr.) CASE A&H, CASE GCC** The inspiration for cultural movements, buildings, movies, and a video game, Dante's *Divine Comedy* is an icon of European culture. This course examines the *Comedy* in its literary context and considers its themes of cultural history, politics, philosophy, art, science, theology, and the human condition. All readings in English. Credit given for only one of M236 or M333.

**FRIT-M 237 Boccaccio's Social Decameron (3 cr.) CASE A&H, CASE GCC** One of the most influential texts of European literature, Boccaccio's *Decameron* challenges the literary, social, and ethical standards of its day. The course examines medieval social ideals and values as they are reflected and challenged in the work. Taught in English. Credit given for only one of M237 or M340.

**FRIT-M 238 Visual, Musical, and Literary Culture in Italy (3 cr.) CASE A&H, CASE GCC** In-depth examination of Italian culture, focusing on Italy's role in the development of the Western creative tradition. May focus on a period rich in artistic and literary production; the development of visual, musical and literary media over time; or the changing relationship between traditional artistic media and their modern counterparts. Taught in English.

**FRIT-M 250 Intermediate Italian II (3 cr.)** P: M200 or equivalent. The study of more complex concepts and structures in Italian grammar. Through a variety of texts, media, and assignments, students practice listening, speaking, reading, and writing, and they analyze cultural topics and situations in greater depth. Increased attention to short literary texts. Credit given for only one of M250 or M215.

**FRIT-M 300 Italian Conversation and Diction (4 cr.)** P: M250 or consent of instructor. Conducted in Italian, this course continues the study of advanced structures through a variety of media and authentic texts. While the focus is on accuracy and fluency in speaking, practice with other skills and the study of Italian culture will be integrated throughout.

**FRIT-M 301 Italian Reading and Expression (4 cr.)** P: M250 or consent of instructor. Conducted in Italian, this course introduces students to reading strategies, basic analysis, and discussion of Italian literature of different time periods and genres. Includes advanced grammar

structures and vocabulary and a focus on oral and written proficiency. Prepares students for subsequent 300-level work in Italian.

**FRIT-M 305 Civiltà italiana moderna (3 cr.) CASE A&H, CASE GCC** P: M301 or consent of instructor. Interdisciplinary study of modern Italian culture with a focus on one or more of the following areas: history, literature, art, music, film, theater; from any period(s) between the Italian national unification (1860s) and the present. Conducted in Italian. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

**FRIT-M 306 Italian Short Fiction (3 cr.) CASE A&H, CASE GCC** P: M301 or consent of instructor. Explores Italian short fiction from the Middle Ages to the present. Class will be conducted in Italian.

**FRIT-M 307 Masterpieces of Italian Literature I (3 cr.) CASE A&H, CASE GCC** P: M301 or consent of instructor. To 1800.

**FRIT-M 308 Masterpieces of Italian Literature II (3 cr.) CASE A&H, CASE GCC** P: M301 or consent of instructor. Italian Literature from 1800 to present.

**FRIT-M 311 Italian Film and Culture (3 cr.) CASE A&H, CASE GCC** Study of Italian cinema and culture, taught either as a survey course or with a focus on a particular topic in Italian culture, such as gender, politics, sports, or other social issues. Taught in English. May be repeated with a different topic for a maximum of 6 credit hours.

**FRIT-M 334 Power and Imagination in Italy (3 cr.) CASE A&H** Interdisciplinary approach to the interrelationship of literature, visual culture, and history.

**FRIT-M 390 Studies in Italian Film (3 cr.) CASE A&H, CASE GCC** P: M301 or consent of instructor. In-depth analysis of a major Italian art form as Italian culture. Emphasis on specific directors (Fellini, Pasolini, Visconti, Wertmuller, Bertolucci, etc.) or themes (literature and film, neorealism, politics and ideology, film comedy, etc.). Conducted in Italian. May be repeated with a different topic for a maximum of 6 credit hours.

**FRIT-M 391 Hollywood Italians (3 cr.) CASE A&H** The representation of Italian Americans in literature, Hollywood films, and mass media television from the silent era of Rudolph Valentino to the present of *The Godfather* and *The Sopranos*. Themes treated include immigration; Little Italys; ethnic stereotyping; and Hollywood Italian gangsters, Romeos, and Palookas.

**FRIT-M 396 Foreign Study in Italy (1-6 cr.)** P: Acceptance into an approved IU overseas study program. Credit for foreign study in Italian language or literature when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 6 credit hours.

#### 400-Level Italian Courses

M307, M308, or consent of instructor is prerequisite for all 400-level courses unless otherwise indicated. 400-level courses are conducted in Italian.

**FRIT-M 403 Italian Renaissance Literature (3 cr.) CASE A&H** This course will focus on various authors, subjects,

and literary genres of the Italian Renaissance. It may be taught as a monographic seminar on an author or topic.

**FRIT-M 435 Theatre Workshop (3 cr.)** P: M250 or consent of instructor. Examination of Italian theatre, including in-depth study of theatrical works, culminating in the staging of scenes and/or full-scale production of a play. Students must meet with the instructor the week before registration to assume one of several acting and non-acting roles. May be repeated for a maximum of 6 credit hours.

**FRIT-M 445 Risorgimento (3 cr.) CASE A&H, CASE GCC** P: Junior or senior standing. A survey of nineteenth-century Italian history and culture, seen in all its varied manifestations. Particular emphasis will be given to the Risorgimento period, as portrayed in music, art, literature, and film.

**FRIT-M 446 Nineteenth-Century Italian Literature (3 cr.) CASE A&H** P: Junior or senior standing. A survey of the major Italian authors of the century, focusing particularly on poetry but also discussing the most important narrative works. Special emphasis will be given to the analysis of the texts, as well as to the comprehension of the development in Italy of neoclassicism, romanticism, and decadence.

**FRIT-M 450 Seminar in Italian Literature (3 cr.) CASE A&H** P: M308 or consent of instructor. Selected topics in Italian literature. Course content varies and is identified in the online *Schedule of Classes*. May be repeated for up to 12 credit hours with different topics.

**FRIT-M 453 Twentieth-Century Italian Literature and Culture (3 cr.) CASE A&H** Course may be taught as a survey course on twentieth-century Italian literature, or it may focus on a specific literary genre or period.

**FRIT-M 455 Readings in the Italian Cinema (3 cr.) CASE A&H** Analysis of specific movements, topics, or directors in Italian cinema. Attendance of film series required. Subject may vary with each listing and is identified in the online *Schedule of Classes*. May be repeated with a different topic for a maximum of 6 credit hours.

**FRIT-M 456 Il Decadentismo Italiano (3 cr.) CASE A&H** An analysis of the development of Italian decadence, focusing particularly on Pascoli and D'Annunzio but also discussing the other writers such as Pirandello and Svevo. Special emphasis will be given to the analysis of the texts, as well as to the understanding of the entire cultural movement studied in its European context. May be repeated with a different topic for a maximum of 6 credit hours.

**FRIT-M 463 Contemporary and Popular Italian Culture (3 cr.) CASE A&H, CASE GCC** P: M307/M308 or permission of instructor. A study of contemporary Italian culture and literature that includes an overview of various topics such as cinema, gender issues, theater, and music. Class conducted in Italian.

**FRIT-M 474 Temi e versioni (2-4 cr.)** This course aims at improving the students' written and oral knowledge, as well as the students' ability to write original short essays on a variety of cultural topics. May be repeated once for credit with consent of the undergraduate advisor.

**FRIT-M 495 Individual Readings in Italian Literature (1-3 cr.)** P: M200-M250 and consent of instructor. May be repeated for a maximum of 6 credit hours.

**FRIT-M 496 Foreign Study in Italian (3-8 cr.)** P: Consent of chairperson or undergraduate advisor for Italian. Research paper must be presented by end of semester following foreign study. Course involves planning of research project during the year preceding period of study abroad. Time spent in research abroad must amount to at least one week for each credit hour granted. Research paper must be presented by end of semester following foreign study. Does not count as M400-level course in residence for major. May be repeated with different topics up to a maximum of 8 credit hours.

**FRIT-M 499 Reading for Honors (3 cr.)** P: Consent of department. Independent reading and research in conjunction with an advanced honors paper or project.

### Courses for Graduate Reading Knowledge

**FRIT-F 491 Elementary French for Graduate Students (3-4 cr.)** Open with consent of the instructor to undergraduates who have already completed the language requirement for the B.A. in another language. Introduction to structures of the language necessary for reading, followed by reading in graded texts of a general nature. No credit for the French major or minor. Credit given for only one of F491 or any French course at the 100 level.

**FRIT-F 492 Readings in French for Graduate Students (3-4 cr.)** P: F491 or consent of department. Open with consent of the instructor to undergraduates who have already completed the B.A. language requirement in another language. Continuation of language and reading development from F491. Credit given for only one of F492 or any of the following: F150 or F200.

### FRIT-M 491 Elementary Italian for Graduate

**Students (4 cr.)** Open with consent of the instructor to undergraduates who have already completed the language requirement for the B.A. in another language. Introduction to the structures of the language necessary for reading, followed by reading in graded texts of a general nature. Credit given for only one of M491 and any Italian course at the 100 level.

### FRIT-M 492 Readings in Italian for Graduate Students

**(4 cr.)** P: M491 or consent of department. Open with consent of the instructor to undergraduates who have already completed the B.A. language requirement in another language. Continuation of language and reading development from M491. Credit not given for both M492 and either of the following: M150 or M200.

## Gender Studies

### Introduction

The Department of Gender Studies (GNDR) offers interdisciplinary courses that explore the making and meaning of gender across cultures and social formations. Courses may undertake an analysis of gender in institutions, practices, representations, and knowledge across a range of cultural frameworks. They may also interrogate the intersections between gender and systemic forms of oppression and/or difference, including

those based on race, aboriginality, ethnicity, class, and sexual identity and desire. Students achieve a scholarly understanding of the options and situations of both women and men, in the past as well as the present; they are often encouraged to devise and execute original research projects.

### Contact Information

Department of Gender Studies  
Indiana University  
Memorial Hall 130  
1021 East Third Street  
Bloomington, IN 47405

(812) 855-0101  
[gender@indiana.edu](mailto:gender@indiana.edu)

<http://www.indiana.edu/~gender/>

## Faculty

### Chairperson

- Claudia Breger

### Director of Undergraduate Studies

- Colin R. Johnson

### Director of Graduate Studies

- Brenda Weber

### Founding Professor

- M. Jeanne Peterson

### Emerita Professor

- Fedwa Malti-Douglas (Adjunct, Maurer School of Law)

### Professor

- Stephanie Sanders (The Kinsey Institute)

### Associate Professors

- Marlon Bailey (American Studies)
- Lessie Frazier (American Studies, Adjunct, History, Anthropology, Cultural Studies)
- Sara Friedman (Anthropology)
- LaMonda Horton-Stallings (Adjunct, American Studies)
- Colin R. Johnson (Adjunct, American Studies, History, Human Biology)
- Brenda Weber (Adjunct, American Studies, Cultural Studies, English)

### Assistant Professors

- Laura Foster
- Justin Garcia (The Kinsey Institute)
- Cate Taylor (Sociology)

### Senior Lecturer

- Jennifer Maher

### Affiliate Faculty

### Professors

- Judith A. Allen (History)
- Claudia Breger (Germanic Studies)
- Maria Bucur (History)
- Mary Favret (English)
- Wendy Gamber (History)
- Susan Gubar (Emerita, English)

- Stephanie Kane (International Studies)
- Ellen Ketterson (Biology)
- Karma Lochrie (English)
- Alyce Miller (English)
- Radhika Parameswaran (Journalism)
- Brian Powell (Sociology)
- Jean C. Robinson (Political Science)
- Virginia Vitzthum (Anthropology, The Kinsey Institute)
- Richard Wilk (Anthropology)
- Susan Williams (Maurer School of Law)
- William Yarber (Rural Center for AIDS/STD Prevention)

### Associate Professors

- Penelope Anderson (English)
- Purnima Bose (English)
- Beth Buggenhagen (Anthropology)
- Lynn Duggan (School of Social Work)
- Jennifer Fleissner (English)
- Mary L. Gray (Communication and Culture)
- Scott Herring (English)
- Patricia Ingham (English)
- Ellen MacKay (English)
- Marissa Moorman (History)
- Amrita Myers (History)
- Sara Phillips (Anthropology)
- Julia Roos (History)
- Colleen Ryan-Scheutz (French and Italian)
- Ranu Samantrai (English)
- Steve Sanders (Maurer School of Law)
- Vanessa Schick (School of Public Health)
- Micol Seigel (African American and African Diaspora Studies)
- Susan Seizer (Communication and Culture)
- Margaret Peg Sutton (School of Education)
- Michiko Suzuki (East Asian Languages and Cultures)
- Shane Vogel (English)
- Deborah Widiss (Maurer School of Law)

### Assistant Professors

- Jennifer Goodlander (Theatre, Drama and Contemporary Dance)
- Sara Imhoff (Jewish Studies, Religious Studies)
- Nicole Martins (Telecommunications)
- Beth Meyerson (School of Public Health)
- Mary C. Murphy (Psychological and Brain Sciences)
- Kirsten Sword (History)

### Academic Advisor

- [helkins@indiana.edu](mailto:helkins@indiana.edu), Ballantine 749, (812) 855-4233@

## Major in Gender Studies

### Purpose

The interdisciplinary major in gender studies offers students the opportunity to achieve an up-to-date, interdisciplinary, thematic, and problem-oriented understanding of gender. The major encourages students to ask critical questions about how gender operates within the cultures of the world. This program of study can complement minors or majors that students choose

in other disciplines and area studies, and enhances the existing teaching and research on gender taking place at Indiana University Bloomington.

Fundamental objectives of the major pursued through each of its interdisciplinary courses are to:

1. Train students to think critically about how gender has been formed and altered in different cultures, contexts, and historical eras.
2. Equip students to identify and analyze assumptions about gender built into the varying approaches of disciplines and areas of knowledge, and to evaluate the effects of such assumptions on research, teaching, and professional profiles of the disciplines.
3. Provide students with a solid understanding of ways in which "gender issues" involve not only the study of women, but, as centrally, the study of men, families, workplaces, organizations, nations, economies, science, industry, laws, sexual behavior and identities, customs, mass media, sports, leisure, religion, and many other subject areas relevant to future careers of graduates.
4. Develop students' skills in undertaking research, critical analysis, and written and verbal presentations of their findings, and encourage a fully professional approach to the subject matter and content of the courses of the major.

Graduates will be prepared to enter the full range of graduate and professional education. Some will become specialized researchers and scholars. In addition, the gender studies major provides a sound background relevant to employment in a variety of occupations within the private sector, the professions, government, and the nonprofit sector. Graduates can pursue occupations in public relations, advertising, or the media. Others may become lawyers, doctors, journalists, social workers, or psychologists. Still others will work in education, social services, the arts, public administration, and international aid and social justice organizations.

### **Required Courses**

In addition to fulfilling the requirements for the B.A. degree in the College of Arts and Sciences, all Gender Studies majors must complete a minimum of 30 credit hours, including the following:

1. Required courses: G101 Gender, Culture, and Society, and G300 Gender Studies: Core Concepts and Key Debates.
2. Any three out of the following six core elective courses (9 credits).
  - G206 Gay Histories/Queer Cultures
  - G215 Sex and Gender in Cross-Cultural Perspective
  - G290 History of Feminist Thought and Practice
  - G310 Representation and the Body
  - G335 Explaining Sex/Gender Differences
  - G410 International Feminist Debates
3. At least one course must have an international/non-Western emphasis (G102, G215, or G410 are recommended, but students may also fulfill this requirement by petition).
4. Majors must include the following:
  - 3 credit hours at the 100 level.

- 3 credit hours at the 200 level
- 9 credit hours at the 300 or 400 level
- 9 additional credit hours at the 400 level
- Additional electives to meet the 30 credit hour requirement are freely chosen by the student.

Joint-listed Gender Studies courses count toward these requirements. Additionally, students may petition to count one non-joint-listed course from outside the department toward their degree requirements. Students wishing to do so should contact the undergraduate academic advisor for additional information.

## **Minor in Gender Studies**

### **Required Courses**

An undergraduate Minor in Gender Studies requires a total of 15 credit hours of course work in the field, distributed as follows:

1. 3 credit hours at the 100 level.
2. 3 credit hours at the 200 or 300 level.
3. 6 credit hours at the 300-400 level.
4. 3 additional credit hours at the 400 level.
5. At least one course must have an international/non-Western emphasis (G102, G215, or G410 are recommended, but students may also fulfill this requirement by petition).

Joint-listed Gender Studies courses count toward these requirements. Additionally, students may petition to count one non-joint-listed course from outside the department toward their degree requirements. Students wishing to do so should contact the undergraduate academic advisor for additional information.

## **Honors Track**

The Department of Gender Studies offers in-depth tutorial guidance to advanced students who wish to pursue honors research and thesis writing.

### **Requirements**

Outstanding students majoring in gender studies who are interested in departmental honors should submit an application to the department no later than the second semester of the junior year. To be eligible for the honors track, a student must first complete at least 15 credits of Gender Studies courses with a minimum GPA of 3.500, and must also have a 3.300 GPA overall. Students must have approval from the director of undergraduate studies or chairperson to be eligible for the honors track and must maintain these grade point averages in order to receive departmental honors. Starting at least two semesters prior to graduation, and after completing the requirements listed for eligibility, students must successfully complete a course of research reading (G495) and a senior honors thesis (G499) with a grade of B or higher in each course. A faculty sponsor of the student's choice (and with permission of the director of undergraduate studies or chairperson) will serve as a mentor. Students must fill out the appropriate application form and obtain the faculty mentor's signature as well as the approval of the director of undergraduate studies or chair before registering for G495 and G499.

In summary, students must:

- Maintain a 3.500 GPA in gender studies

- Maintain a 3.300 GPA overall
- Complete all requirements for major and degree
- Apply for departmental honors no later than the second semester of the junior year
- Take G495 and G499 consecutively during the senior year, earning grades of B or higher in each course
- Research and write an honors thesis which earns a grade of B or higher

Interested students should consult with the undergraduate academic advisor. Appointments may be scheduled through the department's main office at (812) 855-0101.

## Course Descriptions

### **GNDR-G 101 Gender, Culture, and Society (3 cr.) CASE A&H**

**CASE A&H** Examination of the international emergence of the field of women's studies; the achievements and limitations of scholarly work exploring oppression and discrimination based on sex and sex differences; the development of the category "gender" and its uses and abuses; and the relevance of changing understandings of the term "culture" for the study of women, gender, and/or sexuality across diverse historical periods, regions, nations, and societies. Exploration of a series of case studies. Particular attention devoted to the ways in which "gender" as practice, performance, and representation has differed for women and men according to race, class, and other divisions.

### **GNDR-G 102 Sexual Politics (3 cr.) CASE S&H**

Investigation of cross-cultural meaning for the term "sexual politics," from Kate Millett's classic 1970 text to those offered by historians, social scientists, and other critics analyzing political structures, processes and mobilizations around sex, sex differences and sexual practices and statuses, including the inextricable links between sexual politics and "other/ mainstream" politics.

### **GNDR-G 104 Topics in Gender Studies (1-3 cr.)**

Analysis of selected ideas, trends, and problems in the study of gender across academic disciplines. Explores a particular theme or themes and also provides critical introduction to the challenges of analyzing gender within the framework of different disciplines of knowledge. May be repeated with a different topic for a maximum of 6 credit hours.

### **GNDR-G 105 Sex, Gender and the Body (3 cr.) CASE S&H**

Examines the diverse and historically varying relationships forged between biological sex, culturally formulated discourses of masculinity and femininity, and the sexed body. With variable title and themes, the course may employ a range of different approaches, depending on the instructor. May be repeated once with a different topic for a maximum of 6 credit hours.

### **GNDR-G 205 Themes in Gender Studies (1-3 cr.)**

Exploration of a theme or series of themes arising from the study of gender, generally from within a particular discipline or subfield. The course will provide some critical reflection upon the challenges of analyzing gender within the framework of different disciplines of knowledge. Focus on specific instances, topics, or case studies, depending on the instructor. May be repeated with a different topic for a maximum of 6 credit hours.

### **GNDR-G 206 Gay Histories, Queer Cultures (3 cr.)**

**CASE S&H** Examines the social, cultural, and political history of same-sex relationships and desires in the United States and abroad, emphasizing the historical emergence of certain American sexual subcultures, such as the modern lesbian and gay "movement" or "community." The course also highlights particular formations such as race, class, and regional difference that interrupt unified, universal narratives of lesbian and gay history.

### **GNDR-G 215 Sex and Gender in Cross-Cultural Perspective (3 cr.) CASE S&H, CASE GCC**

**CASE S&H, CASE GCC** Investigation of forms in which gender, gender markings, gender meanings, and gender relations are arranged in different cultures of the world. Assessment of debates concerning the global salience of feminist claims about women's "oppression," political mobilization around gender, body rituals marking masculinity and femininity, indigenous women, and resistance to gender formations beyond Euro-American borders.

### **GNDR-G 225 Gender, Sexuality, and Popular Culture (3 cr.) CASE A&H, CASE DUS**

**CASE A&H, CASE DUS** Examination of popular cultural "makings" of masculinity, femininity, and sexuality through typical representation of gender within fiction, theater, cinema, radio, music, television, journalism, and other secular mass media. Analysis of the developing international telecommunications "superhighway" and struggles to secure increased representation of women and of feminist perspectives within existing culture industries.

### **GNDR-G 230 Gendered Relations (3 cr.) CASE S&H**

**CASE S&H** Examines the gendered dynamics of social relations. Explores how gender and sexuality are imagined, constructed, and lived within a diverse set of institutions and cultural locations, such as the military, the antebellum slave plantation, the global sex market, the hospital, and the contemporary workplace.

### **GNDR-G 235 Scientific Understandings of Sex and Gender (3 cr.) CASE S&H**

**CASE S&H** Interrogates the evolution of scientific approaches to, and conceptualizations of, the terminology of sex and gender from the perspective of the behavioral, medical, and social sciences. Topics may include: femininity, masculinity, and androgyny; femaleness, maleness, intersex, and transgender; heterosexuality, homosexuality, and bisexuality.

### **GNDR-G 250 Race, Sexuality, and Culture (Intersections) (3 cr.) CASE A&H, CASE DUS**

**CASE A&H, CASE DUS** Examines the construction of sexuality and sexuality studies while analyzing the intersection of race and ethnicity in the production of knowledge and particular social categories that shape racial communities and sexual cultures. May employ a range of different approaches, depending on the instructor.

### **GNDR-G 290 History of Feminist Thought and Practice (3 cr.) CASE A&H**

**CASE A&H** Introduction to historical and contemporary feminists. Critical focus is placed on criteria by which attributes of identifiable feminist discourses and their contexts may be evaluated. Disputes among feminist theorists with regard to the pertinence of differences ordained by sexuality, race, class, ethnicity, and other political and philosophical adherence emerge as central themes for appraisal.

**GNDR-G 300 Gender Studies: Core Concepts and Key Debates (3 cr.)** P: G101. Examination of the field of gender studies. Students will explore a series of themes through which gender is discussed, analyzed, and defined. Conceptual frameworks of gender, theories of sexuality, and the cultural and historical construction of the body are emphasized. Examination of gender as a contested category ranging across categories of race, ethnicity, class, and nationality.

**GNDR-G 302 Issues in Gender Studies (1-3 cr.)** This topical, variably titled course addresses selected ideas, trends, and problems in the study of gender across academic disciplines. It explores a particular theme or themes and also provides critical reflection upon the challenges of analyzing gender within the framework of different disciplines of knowledge. May be repeated with a different topic for a maximum of 6 credit hours.

**GNDR-G 303 Knowledge and Sex (3 cr.) CASE S&H** Exploration of debates about knowledge as cultural production or representation, implicated in contemporary understandings of gender and sexual difference. Feminist critiques of various disciplines and fields are interrogated, in terms of their justifiability and coherence. Significant differences in interpretations offered by such critics are identified, and their impacts upon areas of knowledge during the twentieth century are assessed.

**GNDR-G 304 Constructions of Masculinities (3 cr.) CASE S&H** An interdisciplinary examination of what constitutes (and has historically constituted) masculinity. Designed to illuminate the contested underpinnings of masculinity.

**GNDR-G 310 Representation and the Body (3 cr.) CASE A&H** Analysis of scholarship concerned with how the body is perceived, represented, and symbolically charged. This course examines concepts that include sexed bodies, desiring bodies, corporeality, body politics, and sociological bodily rituals. Thematically, the course investigates exterior/interior, solid/fluid, and sex/gender distinctions critical to discussions of the body.

**GNDR-G 325 Technologies of Gender (3 cr.) CASE S&H** Investigates “gendered” ways that technological transformations reshape social life, physical space, built environments, or medical research. Familiarizes students with how feminist inquiry remaps such fields as computer technology, urban and development studies, geography, medicine, or health sciences. May be repeated with a different topic for a maximum of 6 credit hours.

**GNDR-G 330 Looking Like a Feminist: Visual Culture and Critical Theory (3 cr.) CASE A&H** Advanced study of feminist film theory which examines gender in popular film from a variety of perspectives. Examines how cinema works as a “technology of gender,” how film constructs subject positions and identities, and what these constructions can tell us about how gender structures our culture.

**GNDR-G 335 Explaining Sex/Gender Differences (3 cr.) CASE S&H** Compares biological, psychological, and social theories regarding the development and maintenance of gender differentiated behavior, gender and sexual identities, and the meaning of sexed bodies. The course scrutinizes the social and cultural forces that

magnify, minimize, or subvert the expression of gender differences.

**GNDR-G 340 Gender, Geography, Sex, and Space (3 cr.) CASE S&H** Examines the crucially important role that space and place play in the construction and maintenance of gender norms and sexual practices. Subjects may include the gendered history of the domestic domain, feminist critiques of architecture and urban planning, the modernist art of flaneurie, or the gendered and racial politics of imprisonment in the United States.

**GNDR-G 350 Queer Theory (3 cr.) CASE A&H** Examines queer theory, particularly in relation to other intellectual/political movements (post-structuralism, critical race studies, feminism, gay and lesbian studies) which it both borrowed from and challenged. Focus on the ways in which queer theory articulates a radical transformation of the sex/gender system in opposition to normalizing and essentializing impulses.

**GNDR-G 386 British Sexual Histories: From Regency Scandals to Sexual Revolution (3 cr.) CASE S&H, CASE GCC** Examines transformations of sexuality and erotic lives within modern British history, focusing upon popular culture, demographic trends, sensational crimes and scandals (the Queen Caroline Affair, the Profumo Affair), and controversies over the regulation of sexual behaviors and identities. Concludes with analysis of the slate of 1960s “liberal” legislation on divorce, censorship, abortion, and homosexuality. Credit given for only one of G386 or HIST B386.

**GNDR-G 393 American Sexual Histories: Salem Witch Craze to the Age of Viagra (3 cr.) CASE S&H** Examines interactions between sexualities, culture, and science in America from the late seventeenth to twentieth centuries. Sexual patterns of indigenes, European settlers, and early immigrants underwent significant changes in the later nineteenth century. Specific episodes and trends fueled early twentieth century controversies over erotic practices and identities. These debates gave way to new areas of interest and concern, however, as a result of sex researchers' findings on interwar and postwar Americans' sexual histories, publicized in the Kinsey Reports and successor studies. Credit given for only one of G393 or HIST A393.

**GNDR-G 399 Regulating Gender (3 cr.) CASE S&H** Explores the regulation of gender relations through the institutions of state, church, and/or civil society, including: public policies; laws and their enforcement; religions; ethical and moral norms; and other social conventions and cultural norms. Strong focus on cross-cultural and transnational comparisons. May be thematically concentrated around case studies.

**GNDR-G 402 Problems in Gender Studies (1-3 cr.)** Topical seminar in gender studies. Analysis of a particular issue or problem that has generated debate within gender-related scholarship in a particular discipline, or across several disciplines/fields of inquiry. May be repeated with a different topic for a maximum of 6 credit hours.

**GNDR-G 410 International Feminist Debates (3 cr.) CASE GCC** Investigation of debates among feminists as to whether aspirations towards global feminism are possible and desirable. The course compares concerns about the global situation of women, as articulated by

international bodies such as the United Nations, with concerns articulated by feminists in different parts of the world.

**GNDR-G 425 Gender and Science: The Sexual Politics of Truth (3 cr.) CASE S&H** Examination of interdisciplinary interaction of feminist perspectives on science. Perspectives are diverse and have implications for different scientific disciplines—medical, physical, natural, and social. May be repeated with a different topic for a maximum of 6 credit hours.

**GNDR-G 430 Kinsey's Sexual Behavior in the Human Female (1953): Genealogies and Legacies (3 cr.) CASE S&H** Examines Kinsey's *Sexual Behavior in the Human Female* (1953) by undertaking an examination of the text itself, and its scientific, cultural, and sexual politics context, as well as its place in the genealogy of sexology and sex research and its impact and influence after Kinsey's death in 1956.

**GNDR-G 435 Health, Sex, and Gender (3 cr.) CASE S&H** Examines health as it relates to female and male sexuality and to the roles and status of men and women in society. It explores public policy decisions related to medical research practices. Topics may include research about adult sexuality and personal health, contraception, sexual abuse, gender-specific diseases, and sexually transmitted diseases.

**GNDR-G 450 Gender in Transition (3 cr.)** Examines the emerging field of transgender studies. Surveys the evolution of the field and its key theoretical frameworks. Also offers an overview of gender-variant practices, identities, and communities in the United States and around the world.

**GNDR-G 480 Practicum in Gender Studies (3-6 cr.)** P: Junior or senior standing; 12 credit hours of gender studies course work; consent of faculty advisor and department. Directed study of issues or policies related to gender or sexuality based on a field experience such as an internship. Directed readings, papers and/or an analytical journal may be required. May be repeated for a maximum of 6 credit hours.

**GNDR-G 485 Gender and Discourse (3 cr.)** Advanced-level analysis of cultural constitutions of gender in different cultures. Emphasis on understanding how different discourses operate with respect to gender, and how they can have a range of effects, including endorsement, unsettling, and resisting prevailing gender relations. May be repeated with a different topic for a maximum of 6 credit hours.

**GNDR-G 490 Gender, Race, Sexuality, and the Law (3 cr.)** Examines the complex ways in which the law structures and is shaped by gender, race, and sexuality.

**GNDR-G 495 Readings and Research in Gender Studies (1-3 cr.)** P: Consent of instructor and department. Individual readings and research available for gender studies major and minor students. May, under unusual circumstances, be repeated with a different topic for a maximum of 6 credit hours.

**GNDR-G 498 Seminar in Gender Studies (3 cr.)** This course will highlight a particular problem, theme, or controversy confronting the interdisciplinary field of gender studies, situated in relation to the development of gender

studies since the 1970s and its institutional and discursive setting.

**GNDR-G 499 Senior Honors Thesis (3-6 cr.) P:** Consent of faculty honors thesis advisor and department. Research and preparation of senior honors thesis. May be repeated for a maximum of 6 credit hours.

## Geography

### Introduction

Courses offered by the Department of Geography (GEOG) form an important component of liberal arts and science education and also provide skills and knowledge necessary for careers in geography and related fields. The undergraduate program reflects the breadth of geography and its linkages to other social and physical sciences. Courses are offered in climate, land and environmental change; food and agriculture; geographic information systems and remote sensing; globalization, development and justice; and water resources.

### Contact Information

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### Faculty

#### Chairperson

- Daniel C. Knudsen

#### Professors

- Tom Evans
- Daniel C. Knudsen
- Scott Robeson

#### Associate Professor

- Elizabeth Dunn

#### Assistant Professors

- Majed Akhter
- Ishan Ashutosh
- Darren Ficklin
- Tae Hee Hwang
- Rebecca Lave
- Justin Maxwell
- Rinku Roy Chowdhury

#### Senior Lecturer

- Roman Zlotin

#### Adjunct Faculty

- Eduardo Brondizio (Anthropology)
- Timothy Brothers (Indianapolis)
- Kelly Taylor (Princeton University)
- Danilo Dragoni (State of Nevada)
- Owen Dwyer (Indianapolis)
- Chunfeng Huang (Statistics)
- Phaedra Pezzullo (Communication and Culture)

- Faiz Rahman (University of Texas, Brownsville)
- Philip Stevens (School of Public and Environmental Affairs)
- Dallen Timothy (Arizona State University)
- Jeffrey Wilson (Indianapolis)

### **Faculty Emeriti**

- Dennis Conway
- Charles Greer
- Emilio Moran (Anthropology)
- Ernest Wohlenberg

### **Academic Advising**

- Jody K. Ferguson, Student Building 055, (812) 856-0905, [ferguson@indiana.edu](mailto:ferguson@indiana.edu)

## **Major in Geography—B.A.**

### **Purpose**

The B.A. degree is intended to provide a strong liberal arts degree focusing on the major subject areas of geography while maintaining a great deal of flexibility. This allows students to focus on a particular transcriptable concentration area while also pursuing additional majors and/or minors.

### **Required Courses**

Students must complete the following:

1. The B.A. degree requirements of the College of Arts and Sciences.
2. A minimum of 30 credit hours in Geography, including at least 18 credit hours at the 300-400 level with at least 6 credit hours at the 400 level.
3. G208.
4. G237 or G338.
5. At least one additional course in geographic methodology selected from G250, G334, G336, G350, G438, or G488.
6. ASCS-Q 299 College to Career III: Market Yourself for the Job and Internship Search.
7. G498 Capstone Seminar.
8. Students may choose
  - i. the Comprehensive option. Courses are chosen from across the breadth of the Geography curriculum such that all requirements above are met, **or**
  - ii. the Concentration option. At least 15 credit hours are chosen from a single concentration area as detailed below. When the topic is relevant, G450 and G460 may be used as part of the concentration area. The selected concentration must be declared with the undergraduate advisor and will appear on the official transcript.

### **Concentration Areas**

Students may select one of the following concentration areas. Participating faculty are listed below with the appropriate specialties. Alternatively, the comprehensive option detailed above may be chosen by students who want to draw courses from the full breadth of geography.

#### **A. Climate, Land and Environmental Change**

Select from G220 (subject to approval of topic), G250, G304, G305, G306 (subject to approval of topic), G307, G315, G320, G336, G341, G343, G350, G405, G407,

G444, G449, G450, G451, G452, G460, G461, G477, G478, G488, and G489. (Evans, Ficklin, Maxwell, Robeson, Roy Chowdhury).

#### **B. Food and Agriculture**

Select from G220 (subject to approval of topic), G306 (subject to approval of topic), G315, G320, G343, G369, G380, G411, G417, G441, G449, G450, G460, G461, G478, and G488. (Akhter, Evans, Knudsen, Roy Chowdhury)

#### **C. Geographic Information Systems and Remote Sensing**

Select from G220 (subject to approval of topic), G235, G250, G306 (subject to approval of topic), G336, G350, G436, G438, G439, G450, G460, G488, and G489. (Evans, Ficklin, Maxwell, Robeson, Roy Chowdhury)

#### **D. Globalization, Development and Justice**

Select from G220 (subject to approval of topic), G306 (subject to approval of topic), G314, G315, G316, G320, G323, G325, G326, G332, G341, G343, G369, G380, G411, G415, G417, G425, G427, G428, G441, G449, G450, G460, G478, and G488. (Akhter, Evans, Knudsen, Lave, Roy Chowdhury)

#### **E. Water Resources**

Select from G220 (subject to approval of topic), G250, G306 (subject to approval of topic), G316, G341, G343, G350, G411, G440, G449, G450, G451, G460, G461, G478, and G488. (Akhter, Evans, Ficklin, Lave)

## **Major in Geography—B.S.**

### **Purpose**

The B.S. degree provides additional science and quantitative requirements that prepare science-oriented students for graduate school and science-related jobs at the bachelor's degree level.

### **Required Courses**

Students must complete the following:

1. The same geography requirements as the B.A. degree (See numbers 2 through 8 of the B.A.)
2. Mathematics: M119-M120 or M211-M212.
3. At least 9 credit hours in
  - Biology, including L111 and L473, **or**
  - Chemistry, including C117 and at least one course at the 300-400 level, **or**
  - Computer Science, including at least one course at the 300-400 level, **or**
  - Economics, including at least one course at the 300-400 level, **or**
  - Statistics, including at least one course at the 300-400 level.
4. G250.
5. G488.
6. General requirements
  - Writing: English composition (3 cr.) and Intensive Writing (3 cr.)
  - Foreign Language: 3 credit hours at the second-year level
  - Arts and Humanities: two courses
  - Social and Historical Studies: two courses, including at least one course from Geography

- Natural and Mathematical Sciences: fulfilled by major
- Critical Approaches course: 3 credit hours
- One Public Oral Communication course
- Electives to fulfill remaining credits

Students must also complete all degree requirements of the College of Arts and Sciences.

## Certificate in Geographic Information Systems (GIS) and Remote Sensing

Students must complete a minimum of 24 credit hours of course work including:

1. GEOG G336 Environmental Remote Sensing and G338 Geographic Information Science
2. GEOG G436 Advanced Remote Sensing: Digital Images Processing *or* G438 Advanced Geographic Information Science
3. GEOG G439 Seminar in Geographic Information Science
4. At least 12 credit hours selected from the following courses:
  - G237 Mapping Our World
  - G250 Computing in the Geospatial Sciences
  - G436 Advanced Remote Sensing: Digital Image Processing (if not selected for item 2 above)
  - G438 Advanced Geographic Information Science (if not selected for item 2 above)
  - G488 Applied Spatial Statistics
  - G489 Advanced Geospatial Data Analysis
  - GEOL G424 Geographic Information Systems Applications in Geology
  - SPEA E418 Vector-Based Geographic Information Systems
  - SPEA E419 Applied Remote Sensing of the Environment
  - SPEA V465 Geographic Information Systems for Public and Environmental Affairs
5. A minimum of 9 credit hours must be completed on the Bloomington campus.

## Minor in Geography

Students must complete a minimum of 15 credit hours in geography including:

1. One course from G107, G109, G110, G120, and G208.
2. One course in geographic methodology (to be selected from G235, G237, G250, G336, G338, G350, G436, G438, or G488).
3. At least 9 credit hours in Geography courses must be completed at the 300-400 level.

## Minor in Geographic Information Systems and Remote Sensing

Students must complete a minimum of 15 credit hours in geography including:

1. GEOG G336 Environmental Remote Sensing and G338 Geographic Information Science
2. At least 9 credit hours selected from among the following Geography courses:
  - G237 Mapping Our World
  - G250 Computing in the Geospatial Sciences
  - G436 Advanced Remote Sensing: Digital Image Processing
  - G438 Advanced Geographic Information Science
  - G439 Seminar in Geographic Information Science
  - G488 Applied Spatial Statistics
  - G489 Advanced Geospatial Data Analysis

3. A minimum of 9 credit hours must be completed on the Bloomington campus.

## Departmental Honors Program

Outstanding students majoring in Geography (B.A. or B.S.) who are interested in departmental honors should submit an application to the Director of Undergraduate Studies no later than the first semester of the senior year. To be eligible for the honors track, a student must first complete at least 15 credits of Geography courses with a minimum GPA of 3.500, and must also have a 3.300 GPA overall. Students must have approval from the Director of Undergraduate Studies or departmental chair to be eligible for the honors track. The GPA requirements must be maintained in order to receive departmental honors. Students must successfully complete a sequence of a readings course (G450) and a senior honors thesis (G499) with a grade of B or higher in each course. The readings course should result in a literature review and research proposal for the topic of the thesis. At the end of the G499 course, the student will present the research to a committee composed of at least two Geography faculty members. One of these faculty members serves as mentor and course administrator for G450 and G499. Students must fill out the appropriate application form and obtain the faculty mentor's signature as well as the approval of the Director of Undergraduate Studies or departmental chair before registering for G450 and G499.

Interested students should consult with the undergraduate advisor or the Director of Undergraduate Studies.

## Course Descriptions

### GEOG-G 107 Physical Systems of the Environment

**(3 cr.) CASE N&M** Explores the physical processes of the Earth—its weather, climate, landforms, oceans and ecosystems—and analyzes a range of environmental issues.

### GEOG-G 109 Weather and Climate (3 cr.) CASE N&M

What causes tornadoes, hurricanes, and other extreme weather? What is climate change and why is it occurring? Learn about weather, climate, and how they interact.

### GEOG-G 110 Introduction to Human Geography

**(3 cr.) CASE S&H** How do languages, religions, customs, and politics change from local to global scales? Learn how humans shape geographic patterns of migration, agriculture, industry, and urbanization.

### GEOG-G 120 Regions of the World (3 cr.) CASE

**S&H** What do bananas, the 1979 Islamic Revolution, and drone warfare have in common? How do economic development, geopolitics, and resource extraction shape

current events? Answers to these and other questions are used to explain the roots of contemporary global events.

**GEOG-G 185 Environmental Change: The End of the World as We Know It? (3 cr.) CASE N&M** How has the global environment changed? How are we influencing Earth's natural processes, now and in the future? Learn about climate change, resource consumption, and land use change.

**GEOG-G 208 Environment and Society (3 cr.) CASE N&M** Just as we shape the environment, the environment shapes us. From globalization to food production to climate change, learn how humans and environments interact.

**GEOG-G 210 Place and Politics (3 cr.) CASE S&H** Geography and spatial relationships shape and are shaped by political processes. What drives the geography of elections and political parties, nationalism, environmental and urban movements, war, imperialism, and borders?

**GEOG-G 220 Topics in Geography (3 cr.)** Explore an intriguing topic from a geographic perspective. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**GEOG-G 237 Mapping Our World (3 cr.) CASE N&M** Mapping lets us visualize our world and see how patterns change across places. For example, we can analyze how a bike-share program changes commuting patterns, or how urban farming emerges in a transforming city. Students learn how to develop digital maps and interpret spatial processes while gaining valuable experience with GIS software.

**GEOG-G 250 Computing in the Geospatial Sciences (3 cr.)** P: One of MATH M118, M119, M211, or an equivalent; or consent of instructor. A first course in scientific computing that emphasizes practical applications in the geospatial and environmental sciences. Requires high-level programming using MATLAB for visualization, data analysis, and modeling. Teaches problem solving through analysis and interpretation of a wide range of environmental and geographic data.

**GEOG-G 304 Physical Climatology (3 cr.) CASE N&M** P: One of G107, G109, G185, or G208; or consent of instructor. Introduction to the physical basis of the climate system from the global to the local scale, emphasizing the surface energy and water balances. Examples are drawn from forested, agricultural, urban, and aquatic environments, as well as issues related to climate change. Develops skills used to study and quantify climate processes. Credit given for only one of G304 or GEOL-G 340.

**GEOG-G 305 Environmental Change—Nature and Impact (3 cr.) CASE N&M** P: G107 or G109 or consent of instructor. An integrated systems approach to examining the forcing, system response, and impacts of environmental change. Specific case studies will be presented in addition to methods of documenting change and identifying natural variability versus change due to anthropogenic forcing.

**GEOG-G 306 The Geography of Current Issues (3 cr.)** An examination of current problems from a geographical perspective. The specific topic to be considered will vary

from semester to semester. May be repeated once with a different topic for a maximum of 6 credit hours.

**GEOG-G 307 Biogeography: The Distribution of Life (3 cr.) CASE N&M** A survey of the present and past distributions of the world's plants and animals, emphasizing ecological explanation of species distributions. Topics include evolution and distribution of major plant and animal groups, world vegetation, plant and animal domestication, introduction of plant and animal pests, destruction of natural communities, and extinction.

**GEOG-G 314 Urban Geography (3 cr.) CASE S&H** P: Junior standing or consent of instructor. Study and interpretation of urban spatial structures, policies, and problems with an emphasis on geographic perspectives. Topics include urban housing markets, racial segregation, homelessness, and urban crime.

**GEOG-G 315 Environmental Conservation (3 cr.) CASE S&H** P: G208 or junior standing, or consent of instructor. Conservation of natural resources, including soil, water, wildlife, and forests as interrelated components of the environment emphasizing an ecological approach. Current problems relating to environmental quality.

**GEOG-G 316 Economic Geography (3 cr.) CASE S&H** The course familiarizes students with the global pattern of economic endeavor, and teaches basic economic geographic theory and how location decision making occurs.

**GEOG-G 320 Population Geography (3 cr.) CASE S&H** P: Junior standing or consent of instructor. Study of population growth, compositional change and redistribution at regional, national and global scales. Topics include population pressure, fertility control, aging of societies, AIDS epidemiology, immigration, and population policies.

**GEOG-G 323 Geography of Latin America (3 cr.) CASE S&H, CASE GCC** A geographic introduction to Latin America: the Caribbean, Mexico, Central America, South America. Focus is on elements that give coherence and identity to geographic space in Latin America. Topics include the natural environment, settlement, the agrarian sphere, urbanization and industrialization, regional development issues, and geopolitical themes.

**GEOG-G 325 Tourism Geography (3 cr.)** Tourism studies is a relatively young multidisciplinary field. This course provides an introduction to this field that focuses on the ways that geography studies tourism.

**GEOG-G 326 Geography of North America (3 cr.) CASE S&H** Continental and regional variations in terrain, climate, and economic and social life of the United States and Canada, with emphasis on geographical principles, sources of data, and techniques of investigation.

**GEOG-G 332 Geographical Globalization (3 cr.) CASE S&H** The importance of the geopolitical and geo-economic/ecological nature of the global reorganization of the world's systems. Course moves from the treatment of geographies of global change to a critical examination of the many dimensions of today's globalizing world—economic, technological, social, political, cultural, a state of affairs that is unruly and unprecedented.

**GEOG-G 336 Environmental Remote Sensing (3 cr.)**

**CASE N&M** Principles of remote sensing of the earth and its atmosphere, emphasizing satellite data in visible, infrared, and microwave portions of the electromagnetic spectrum. Emphasis on practical applications and digital image analysis.

**GEOG-G 338 Geographic Information Science (3 cr.)**

**CASE N&M** Overview of the principles and practices of geographic information systems (GIS). The course will deal with issues of spatial data models, database design, introductory and intermediate GIS operations, and case studies of real-world GIS applications. Laboratory exercises will provide significant hands-on experience. Lecture and laboratory.

**GEOG-G 341 Ecological Restoration: Science and Politics (3 cr.) CASE S&H**

P: G208 or junior standing, or consent of instructor.

Can humans restore ecosystems and undo the environmental harm they have caused? To what state/extent should ecosystems be restored? What drives the ecological restoration movement? Investigates the deeply interconnected history, philosophy, ecology, geomorphology, and political economy of restoration through readings, discussions, and fieldwork.

**GEOG-G 343 Perspectives on Environmental Decisions (3 cr.) CASE S&H**

P: G208 or junior standing.

Reviews social science theoretical frameworks to explain environmental behavior and decisions, and implications for effective environmental management policies and methodologies. Topics include global changes in land/climate systems; sustainable development; property regimes; vulnerability and adaptation; integrative-interdisciplinary methods for environmental management; equity and participatory decision-making, etc.

**GEOG-G 350 Field Methods in Physical Geography (3 cr.) CASE N&M**

P: One of G107, G109, G185, G208; or consent of instructor.

Use of instrumentation for the measurement, analysis, and interpretation of field data concerning features and processes of the natural environment. Field and laboratory equipment will be used for research projects and environmental monitoring.

Practical application of biogeographic, climatological, and hydrological principles.

**GEOG-G 369 The Geography of Food (3 cr.) CASE S&H**

Promotes understanding of the history and geographic distribution of the world's food cultures. Focuses on the material aspects of food and food's relationship to society. Increases knowledge of food and cultures through reading, discussion and cooking.

**GEOG-G 380 Cultural Geography (3 cr.) CASE S&H**

Familiarizes students with the basic concepts and ideas that underpin the study of cultural geography, including the history of cultural geography, the constitution of the cultural landscape, and how landscape fractures across the lines of ethnicity, gender, and age.

**GEOG-G 388 Qualitative Methods in Geography (3 cr.)**

Focuses on and provides practice in the various qualitative methods employed by geographers to solve problems within the geographic landscape. Each methodology is practiced in the field or within the laboratory so that students develop competency using these methods and can then apply them to a research project.

**GEOG-G 405 Ecological Climatology (3 cr.) CASE N&M**

P: G307. Surveys the relationship between climate and vegetation and explores the consequences of human impacts. Examines the role of climate on vegetation patterns, agricultural crops, and select ecosystems and in turn, the influence of vegetation on climate.

**GEOG-G 407 Climate Dynamics (3 cr.) CASE N&M**

P: G304. Climate and its inter-annual and longer-term variations from the perspectives of theory, observations and modeling. Topics include: climate sensitivity, stability and feedbacks; sea-air-land-ice interactions; teleconnections and their regional expression; drought; climate reconstruction and prediction using numerical models.

**GEOG-G 411 Sustainable Development Systems (3 cr.) CASE S&H**

P: G208 or consent of instructor. An examination of the notion of sustainable development and its meaning as well as the manner in which it has been implemented in the areas of resources, agriculture, water, transport, cities, and tourism. How such systems can be implemented in developing and developed countries will also be examined.

**GEOG-G 415 Advanced Urban Geography (3 cr.)**

**CASE S&H** P: G314 or consent of instructor. An in-depth examination of modern cities, growth dynamics, and sustainability. Explores a range of contemporary socioeconomic topics in an urban setting, including housing markets, segregation, crime, telecommunication, transportation, and regional development. Basic geographic models and spatial statistics are used to explore differences in urban areas.

**GEOG-G 417 Development Geography: Critical Perspectives on the Historical and Spatial Rhythms of Capitalism (3 cr.) CASE S&H**

Why are some places richer than others? Is inequality between classes and regions a necessary part of our economic system? What is the economic and political role of development organizations like the World Bank and the Asian Development Bank? What is the relationship between neoliberalism and globalization? These and related questions are explored through a rigorous examination of global political economy and the history and structure of capitalism.

**GEOG-G 425 Africa: Contemporary Geography Problems (3 cr.) CASE S&H**

Examines contemporary geographic problems confronting the countries of sub-Saharan Africa. Primarily focus on urbanization, rural-urban migration, unemployment, agriculture, and health care. Also analysis of terrain, resource base, and other aspects of the natural environment.

**GEOG-G 427 Russia and Its Neighbors (3 cr.) CASE S&H, CASE GCC**

Geographic problems and prospects of the former republics of the Soviet Union with an emphasis on political geography, environmental issues, population, urbanization, energy, and the location of economic activity.

**GEOG-G 428 Geography of Europe (3 cr.) CASE S&H, CASE GCC**

Emphasizes common themes across the countries of Europe and the distinctive cultures that make up the region. Begins with a discussion of the physical landscape of Europe, then explores the cultural and economic landscape of the region.

**GEOG-G 436 Advanced Remote Sensing: Digital Image Processing (3 cr.) CASE N&M** P: G336 or consent of instructor. Advanced remote sensing theory and digital image processing techniques with an emphasis on environmental applications. Hands-on computer exercises provide significant experience in introductory digital image processing for extraction of qualitative and quantitative information about the Earth's terrestrial environments.

**GEOG-G 438 Advanced Geographic Information Science (3 cr.) CASE N&M** P: G338 or consent of instructor. Intermediate and advanced topics in geographic information science and spatial analysis techniques using GIS software. This advanced course is for upper-division undergraduates and graduates who seek a greater understanding of this rapidly developing field and to learn how to construct, manage, and analyze their own GIS data and models.

**GEOG-G 439 Seminar in Geographic Information Science (3 cr.) CASE N&M** P: G336, G338, and G436 or G438. Applications of geographic information science principles in the collection and analysis of spatial data. Integration of GIS, remote sensing, and/or GPS technologies. Review of current literature on techniques, theory, technology, and applications with an emphasis on environmental issues. Discussions, laboratory, and research project. May be repeated with a different topic for a maximum of 6 credit hours.

**GEOG-G 440 Topics in Environmental Geography (1-3 cr.)** P: G305 or G315 or consent of instructor. Selected topics focus on the human dimensions of environmental change/conservation. Example focus topics: population-environment interactions, transport-environment interactions, and urban-environment interactions. May be repeated four times with a different topic for a maximum of 12 credit hours.

**GEOG-G 441 Mobility (3 cr.) CASE S&H** P: Junior standing or consent of instructor. Geographers are turning attention to the processes that drive, regulate and accompany various scales of movement, the politics of mobility, and the experience and effect of mobility. A better understanding of mobility helps them investigate processes like globalization, migration, tourism, homelessness, security and transport, international flows as well as micro-scale bodily movements in more nuanced ways.

**GEOG-G 444 Climate Change Impacts (3 cr.) CASE N&M** P: G109 or G304, or permission of the instructor. Increasing concentrations of greenhouse gases are causing climate to change at an unprecedented rate. This course will explain how and why anthropogenic activity is causing climate to change, how this impacts society and options for adaptation and mitigation, plus the potential to reduce climate change through geoengineering.

**GEOG-G 448 Capitalism and Nature (3 cr.) CASE S&H** How has nature been appropriated, reworked, and produced under capitalism; conversely, how does the materiality of nature shape the conditions of capitalism? In this seminar, we will investigate how relations between capitalism and nature have evolved from the end of feudalism through the current neoliberal era.

**GEOG-G 449 Political Ecology (3 cr.) CASE S&H** P: G208 and one of G315, G341 or G343; or consent of instructor. An introduction to political ecology, an approach which focuses on the political-economic context of natural resource conflicts with particular attention to issues of equity, justice, and power. Covers the theoretical lineage of political ecology, its development over the last twenty years, and current hot topics in the field.

**GEOG-G 450 Undergraduate Readings and Research in Geography (1-3 cr.)** P: Consent of instructor. Individual readings and research in geography. May be repeated for a maximum of 6 credit hours.

**GEOG-G 451 Water Resources (3 cr.) CASE N&M** P: G107 or G109 and at least one 300-level physical/biological science course, or consent of instructor. Introduction to hydrological processes occurring at multiple spatial and temporal scales. Principles of water resources such as infiltration, runoff, surface- and groundwater flow will be explored. Topics covered also include the environmental, economic, and social implications of floods, droughts, dams, and water usage as well as current and future issues in water quality, water pollution, and water-resource regulation.

**GEOG-G 452 Tree-Ring Science (3 cr.)** Examines the science of dendrochronology. Developing a scientific understanding of the information recorded by trees is essential to our quest to better understand natural and human processes.

**GEOG-G 453 Water and Society (3 cr.) CASE S&H, CASE GCC** Do we control water, or does it control us? Introduces geographic perspectives on the interaction of water and society. Takes the holistic view and asks the big questions about how water shapes, and is shaped by, social, political, and cultural dynamics.

**GEOG-G 460 Internship in Geographical Analysis (1-6 cr.)** P: Consent of instructor. Faculty-directed study of geographical problems based on an internship experience. Student's area of placement must be related to major field of study and may involve staff work or research. Maximum of 3 credit hours will count toward major. May be repeated for a maximum of 6 credit hours. Credit not given for both G400 and G460.

**GEOG-G 461 Human Dimensions of Global Environmental Change (3 cr.) CASE S&H** P: G208 or consent of instructor. Introduction to global environmental change (GEC), focusing on the human causes and consequences of biophysical transformations of land systems. Emphasis on socioeconomic, political, institutional, and environmental dimensions of land change; tropical forests, grasslands, and urbanizing areas; international environmental regimes; spatial methodologies in GEC research, and integrated approaches.

**GEOG-G 463 Environmental Politics of South Asia (3 cr.) CASE S&H, CASE GCC** How and why do farms, rivers, minerals, and forests shape politics? Uses in-depth case studies from South Asia to provide an introduction to theoretical approaches to environmental politics, and to one of the most complex, diverse and fascinating regions of the world.

**GEOG-G 477 Topics in Climatology (3 cr.) CASE N&M**

P: G109 or G304, or consent of instructor. Selected topics in applied climatology, climate change, climate impacts, climate modeling, field methods, quantitative analysis, or related subjects. May be repeated once for credit with a different topic.

**GEOG-G 478 Global Change, Food, and Farming**

**Systems (3 cr.) CASE S&H** P: G208 or consent of instructor. Introduction to food production and consumption systems, emphasizing linkages to land use and social change on food/farming system sustainability. Topics include urbanization, population growth, and economic liberalization; farming livelihoods, gender, and poverty; biotechnology; agro-ecology, global health.

**GEOG-G 488 Applied Spatial Statistics (3 cr.) CASE N&M**

P: 6 credit hours of geography or consent of instructor. Extension of traditional statistical analysis to spatial data. Spatial means and spatial variances, the examination of differences in samples over space, spatial autocorrelation, nearest neighbor analysis, map comparison techniques. Emphasis is on practical applications.

**GEOG-G 489 Advanced Geospatial Data Analysis**

**(3 cr.) CASE N&M** P: An introductory course in statistics. Advanced methods of data analysis for evaluating spatial heterogeneity and spatial dependence. Topics include global and local spatial autocorrelation, point pattern analysis, spatial cluster analysis, spatial regression analysis, and other multivariate approaches. Lecture and lab format with regular use of software. Emphasis on geographic applications.

**GEOG-G 499 Honors Research in Geography (3 cr.)**

P: G450, at least 18 credit hours in geography, a minimum 3.500 GPA in geography with a minimum 3.300 GPA overall, and consent of honors advisor. Training in research and scholarly writing, culminating in an honors thesis to be written under the direction of a faculty member. An oral examination of the thesis is conducted by two faculty members.

## Geological Sciences

**Introduction**

The Department of Geological Sciences (GEOL) provides training for those who want to become professional geologists and seek careers in the application of earth sciences to the minerals, energy, and environmental industries as well as federal and state agencies, research laboratories, and postsecondary education. The department also provides preparation for students who wish to teach earth science at the secondary school level, and for those who seek a general knowledge of geology and its relationship to other sciences. The recent addition of an Atmospheric Sciences track within the Geological Sciences B.S. degree provides training for those who seek professional careers in the atmospheric sciences.

**Contact Information**

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**Faculty****Chairperson**

- Lisa Pratt

**Herman Wells Professor**

- Abhijit Basu

**Provost Professor**

- Lisa Pratt

**Applied Clay Mineralogy Chair**

- David Bish

**Judson Meade Professor**

- Kaj Johnson

**Robert Schrock Professor**

- Doug Edmonds

**Professors**

- Rebecca Barthelmie
- Simon Brassell
- James Brophy
- Jeremy Dunning
- Michael Hamburger
- Gary Pavlis
- David Polly
- Sara Pryor
- Edward Ripley
- Juergen Schieber
- Robert Wintsch
- Chen Zhu

**Associate Professors**

- Claudia Johnson
- Greg Olyphant

**Assistant Professor**

- Julie Fosdick
- Jackson Njau
- Laura Wasylewski

**Senior Scientists**

- Chusdi Li
- Arndt Schimmelmann

**Assistant Scientists**

- Erika Elswick
- Peter Sauer

**Senior Lecturer**

- Bruce Douglas

**Adjunct Professors**

- Peter Ortoleva (Chemistry)
- John Steinmetz (Geological Survey)

### **Director of Undergraduate Studies**

- James Brophy, Geology 309, (812) 855-6417

### **Academic Advisor**

- Carlin C. Schrag, Geology Building 109, (812) 855-2391

## **Major in Geological Sciences—B.A.**

### **Purpose**

The B.A. in geological sciences provides a broadly based background in the fundamentals of the geological sciences. It offers maximum flexibility in course selection to enhance interdisciplinary study and makes a double major easily accessible to students in related fields. The B.A. in Geological Sciences also offers a transcriptable concentration area in Atmospheric Science.

### **Required Courses**

Students must complete 31 credit hours with a minimum of 18 credit hours at the 300–400 level, including the following:

1. 25 credit hours of courses in the geological sciences, to include
  - at least one course at the 100 level, with a maximum of three courses.
  - at least one course at the 200 level, with a maximum of two courses.
  - at least one course at the 300 level.
  - at least one course of 3 or more credits at the 400 level.
  - course work at the 200, 300, or 400 level to reach a minimum of 25 credit hours in geological sciences.
2. Students must complete at least 6 additional credit hours of College of Arts and Sciences courses that carry Natural and Mathematical Sciences Breadth of Inquiry credit, chosen from a department or departments other than Geological Sciences.

Students must also complete the degree requirements of the College of Arts and Sciences.

### **Atmospheric Science Concentration Area**

Students pursuing the Atmospheric Concentration in the Geological Sciences B.A. must complete:

- GEOL G122 and G340;
- at least 15 credit hours chosen from GEOL G118, G328, G339, G 347, G364, G410, G434, G437, G438, G448, G456, G470, G474, and G476.

## **Major in Geological Sciences—B.S.**

### **Purpose**

The B.S. curriculum includes more science requirements than the B.A. and is designed for students who plan advanced study or professional employment in the geological sciences.

### **General Course Requirements**

Students must complete the following Foundations, Intensive Writing, Foreign Language, Critical Approaches, Public Oral Communication, and Breadth of Inquiry requirements:

1. Writing, same as B.A. degree (Composition, Intensive Writing).

2. Foreign language, 3 credit hours at the second-year level.
3. Arts and humanities, two courses.
4. Social and historical studies, two courses.
5. Natural and mathematical sciences, fulfilled by major.
6. One Critical Approaches course.
7. One Public Oral Communication course.

### **Requirements for the Major**

Students must complete

1. Any 100-level course in the geological sciences. G111 or G104 is recommended.
2. G221, G222, G323, G334, and G429.
3. Three formal 3 or 4 credit hour geological sciences courses at the 400 level.
4. CHEM C117 and C127.
5. MATH M211 and M212.
6. PHYS P221 and P222.
7. BIOL L111 or L112.
8. The Allied Mathematics and Science Requirement
  - a. Two courses at the 300 or 400 level, intended for science majors, selected from Biochemistry, Biology, Chemistry, Physics, or Mathematics. (Courses for science majors are defined as having a prerequisite of BIOL L111 or L112, CHEM C117, MATH M211 or PHYS P221.) Recommended courses include Biology B300 or Z374; Chemistry C360 or C361; Mathematics M311 or M343; and Physics P331 or P340. These courses must be selected from two different departments.
  - b. One additional formal 3 credit course at the 300 or 400 level, intended for science majors, from any of the following departments: Biochemistry, Biology, Chemistry, Mathematics, or Physics, **or** one additional formal 3 credit Geological Sciences course at the 400 level.

Students should satisfy the 100- and 200-level allied sciences and mathematics requirements at the earliest possible date.

Students must also complete the degree requirements of the College of Arts and Sciences.

### **Requirements for the Atmospheric Science Track**

#### **Purpose**

The Atmospheric Science track within the Geological Sciences B.S. degree is designed for students who plan to follow advanced study or professional employment in the atmospheric sciences.

### **Required Courses**

Students must complete the same Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, and Public Oral Communication requirements above, in addition to the following courses:

1. One formal 100-level course in the geological sciences
2. A total of 6 credit hours in non-atmospheric science courses in Geological Sciences above the 100 level.

3. G340 plus at least 15 additional credit hours in atmospheric science courses (see list below), including at least 6 credit hours at the 400 level.
4. MATH-M 211 and MATH-M 212.
5. PHYS-P 221 and PHYS-P 222.
6. CHEM-C 117 and CHEM-C 127.
7. Two courses at the 300–400 level intended for science majors, selected from Biology, Chemistry, Mathematics, Physics, or Statistics.
8. A minimum of 30 credit hours in Geological Sciences.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### **Approved Atmospheric Science Courses**

1. GEOL-G 339 Weather Analysis and Forecasting (3 cr.) **CASE N&M**
2. GEOL-G 340 Physical Meteorology, Climate, and Paleoclimate (3 cr.) **CASE N&M**
3. GEOL-G 347 Instrumentation for Atmospheric Science (3 cr.) **CASE N&M**
4. GEOL-G 364 Dynamic Meteorology: Boundary-Layer Meteorology (3 cr.) **CASE N&M**
5. GEOL-G 410 Undergraduate Research in Geology (1-6 cr.) (The topic must be related to atmospheric science.)
6. GEOL-G 434 Dynamic Meteorology: Synoptic to Global Scales (3 cr.) **CASE N&M**
7. GEOL-G 437 Advanced Synoptic Meteorology and Climatology (3 cr.) **CASE N&M**
8. GEOL-G 438 Air Pollution Meteorology (3 cr.) **CASE N&M**
9. GEOL-G 448 Sustainable Energy Systems (3 cr.) **CASE N&M**
10. GEOL-G 456 Wind Power Meteorology (3 cr.)
11. GEOL-G 470 Micrometeorology (3 cr.) **CASE N&M**

## **B.S. Geological Sciences/M.S. Secondary Education**

In an effort to address the shortage of Indiana high school teachers in certain subjects, the College, in conjunction with the IU School of Education, offers an accelerated five-year program in which students can obtain a B.S. in Geological Sciences and an M.S. in Secondary Education and also complete all requirements for State licensure in Secondary Education. Under this program, students complete all of the course work required for the Geological Sciences concentration (B.S.) by their eighth semester at IU. Continuing in the summer after their fourth year and then in a fifth year of study, students complete all of the requirements for the M.S. in Secondary Education with licensure.

Students must apply and earn admittance to the School of Education's Secondary Transition to Teaching and the Master of Science in Education programs during the fall semester of their senior year. After they have completed a minimum of 90 credit hours in the College of Arts and Sciences and satisfied the Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry and concentration requirements for the B.S. in Geological Sciences, students may apply up to 30 credit hours earned in the School of Education as College electives. The requirements for the B.S. in Geological Sciences must be completed before

student teaching begins in the final spring semester of the five-year program. The two degrees (B.S. in Geological Sciences and M.S. in Secondary Education) are awarded simultaneously.

Students considering this program should seek advising from both the Department of Geological Sciences and the School of Education. Also, students are advised to check on the effect that the transition to graduate status may have on existing undergraduate funding.

## **Certificate in Atmospheric Science**

### **Purpose**

The Certificate in Atmospheric Science provides a broad and rigorous introduction to the atmospheric sciences, allowing students to study variability in and changes to the modern atmosphere. Course work within the atmospheric sciences helps students to better understand atmospheric processes and their impacts on natural ecosystems and human society through the study of such topics as air pollution, biosphere-atmosphere interactions, climate variations, the water cycle, weather forecasting, and wind energy. The certificate also emphasizes the development of skills in scientific programming, meteorological instrumentation, and statistics.

### **Requirements**

As part of completing a bachelor's degree and in addition to completing the requirements for a major in another department, students may earn a certificate in Atmospheric Science. The certificate requires a minimum of 24 credit hours (i.e., 8 courses) in atmospheric science courses. Any course taken to satisfy the requirements of the certificate must be completed with a minimum grade of C, and the GPA of all courses taken in the certificate must exceed 2.700.

1. Basic foundation courses (Both are required): GEOL-G 122 and GEOL-G 340.
2. Remaining credits to be chosen from GEOL-G 339, GEOL-G 347, GEOL-G 364, GEOL-G 410, GEOL-G 434, GEOL-G 437, GEOL-G 438, GEOL-G 448, GEOL-G 470, GEOL-G 476, PHYS P310, and SPEA E451.

**Note:** A transcriptable concentration in Atmospheric Science is available to students pursuing a B.S. in Geological Sciences. The Certificate in Atmospheric Science is not available to students who are pursuing a B.A. major in Geological Sciences.

## **Minor in Geological Sciences**

### **Required Courses**

Any 16 credit hours in formal (3 credit or more) geological sciences classes including:

1. No more than one course at the 100 level.
2. Either G221-G222 or G225.
3. A minimum of 9 credits at the 300 to 400 level, including at least one course at the 300 level and one course at the 400 level.

## **Departmental Honors Program**

Outstanding students who maintain a minimum grade point average of 3.300 are encouraged to participate in the honors program. Admission is gained through consultation

with the departmental honors advisor, usually no later than the beginning of the junior year. An honors student may take special reading courses and enroll in honors sections of regular undergraduate courses. To complete the program and graduate with honors, the student must undertake a research project that leads to a thesis no later than the end of the senior year. If the research is taken for 3 credit hours (G499), a formal written report may be substituted for one 400-level geological sciences course to fulfill the allied mathematics and science requirement. The research is guided by a faculty member, and the student is examined orally by a committee consisting of three faculty members. Research facilities are available on the Bloomington campus and at the Geologic Field Station in Montana.

## Course Descriptions

**GEOL-G 103 Earth Science: Materials and Processes (3 cr.) CASE N&M** Introduction to origin and classification of minerals and rocks. Relationships between rock types, rock structures, surficial geological processes of running water, subsurface water, glaciation, wind, tides, and landform evolution. Geologic time. Two lectures and one demonstration/ laboratory each week. Credit given for only one of the following: G103, G111.

**GEOL-S 103 Earth Science: Materials and Processes Honors (3 cr.) CASE N&M** Introduction to the origin and classification of minerals and rocks. Relationships between rock types, rock structures, surficial geologic processes of running water, subsurface water, glaciation, wind, tides, and landform evaluation. Two lectures and one laboratory each week. Credit given for only one of S103, G103, or G111.

**GEOL-G 104 Evolution of the Earth (3 cr.) CASE N&M** Earth's history interpreted through 4.5 billion years. Deductive approach to understanding the significance of rocks and fossils and reconstructing the plate-tectonic origin of mountains, continents, and ocean basins. A survey of events in earth's evolution relevant to contemporary environmental concerns. Two lectures and one laboratory each week. Credit given for only one of G104, S104, or G112.

**GEOL-S 104 Honors Evolution of the Earth (3 cr.) CASE N&M** Earth's history interpreted through 4.5 billion years. Deductive approach to understanding the significance of rocks and fossils and reconstructing the plate-tectonic origin of mountains, continents, and ocean basins. A survey of events in earth's evolution relevant to contemporary environmental concerns. Two lectures and one laboratory each week. Credit given for only one of S104, G104, or G112.

**GEOL-G 105 Earth: Our Habitable Planet (3 cr.) CASE N&M** Introduction to planet Earth as a dynamic and complex global system. Course materials will demonstrate physical and chemical linkages between biosphere, atmosphere, hydrosphere, and geosphere that directly impact lifestyles of human populations at time scales of years to centuries. Two lectures and one laboratory each week.

**GEOL-G 111 Physical Geology (3 cr.) CASE N&M** P: One high school or college course in chemistry. Basic concepts of geology. Formation of rocks, erosion and landscape evolution, plate tectonics, interpretation of earth

processes from geological data. Two lectures and one laboratory per week. One required field trip. Restricted to prospective geology and other science majors. Credit given for only one of the following: G103, G111.

### GEOL-G 112 Historical Geology (3 cr.) CASE

**N&M P:** G111 or consent of instructor. Principles of interpreting earth history from geological data. Geologic time, biological evolution, plate tectonics, and ancient environments. Two lectures and one laboratory per week. One required field trip. Credit given for only one of G112, G104, or S104.

### GEOL-G 114 Dinosaurs and Their Relatives (3 cr.)

**CASE N&M** Origin and evolution of vertebrates including dinosaurs and their distant relatives such as fish, amphibians, birds, and mammals. Course will focus on dinosaur evolution, paleobiology, paleoecology, and extinction. The scientific method and quantitative and qualitative methodologies will be presented. Two lectures and one demonstration each week. II Sem.

### GEOL-G 116 Our Planet and Its Future (3 cr.) CASE

**N&M** The interaction between geologic and environmental processes in the earth. Special emphasis on how these processes affect public policies and laws. Multimedia exercises and videotape presentations (made specifically for this course) are included. Two lectures and one discussion section/laboratory per week.

### GEOL-G 118 Sustainability in Water Resources (3 cr.)

**CASE N&M** A dependable supply of water is critical to sustaining life but this resource is increasingly at risk because of growing competition among domestic, industrial-commercial, agricultural, and environmental needs. Students will become conversant on the topic of water resources as well as develop an understanding of the key concepts in sustainability and systems thinking.

### GEOL-G 121 Meteorites and Geological Processes

**in Planets (3 cr.) CASE N&M** Geological processes operative on earth-like planetary bodies and asteroids; evidence from current meteorite, lunar, Martian, and space research; quantitative and deductive exercises. For non-science majors. Credit given for only one of G121 and S121.

### GEOL-S 121 Meteorites and Geological Processes in

**Planets, Honors (3 cr.) CASE N&M** For Hutton Honors College students and those with unusually good aptitude or preparation. Credit given for only one of S121 and G121.

### GEOL-G 122 Introduction to Atmospheric Science:

**Weather and Climate (3 cr.) CASE N&M** Specialized and general students are introduced to atmosphere science through climate-change science, atmospheric physics, atmosphere-ocean interactions, forecasting, and severe weather. Tools and techniques for analyzing atmospheric environments and assessing human impact are covered. Students will gain understanding of basic atmospheric properties and processes through rigorous critical thinking and problem solving. Credit given for only one of G122 or GEOG-G 109.

### GEOL-S 124 Honors Geology (3 cr.) CASE N&M

Physical, chemical, and biological processes of the Earth's evolution as a planet. Principles of geological reasoning. Two 75-minute seminars a week; six quizzes, one final

examination, no laboratory. Credit not given for S124 and any of G103, G104, G105, G111, and G112, I Sem., II Sem.

**GEOL-G 125 Processes in the Geological Sciences (2 cr.)** P: One 100-level course from the geological sciences. May be taken concurrently with G221. This laboratory-based course is designed to provide familiarity with the geological processes that are critical for understanding both the geological past and modern geological activity. Course intended for geological sciences majors but open to other science majors.

**GEOL-G 129 Introductory Geology in the Rocky Mountains (3 cr.)** P: One high school or college-level course in chemistry. Concepts of geology taught in the field. Formation of minerals and rocks; surficial and subsurface geologic processes responsible for deformation, erosion, deposition, and landscape evolution; plate tectonics; geologic time; biological evolution, and reconstruction of ancient environments. Interpretation of earth processes from geological data with the goal of deciphering earth history.

**GEOL-G 131 Oceans and Our Global Environment (3 cr.) CASE N&M** Introduction to oceanography, with emphasis on ocean-atmospheric interaction and global climate, plate tectonics and morphology of the ocean basins, marine geology, energy resources, environmental problems due to sea-level rise, coastal erosion, oil spills, and life in the sea. Two lectures and one laboratory each week.

**GEOL-G 138 Geology of State and National Parks Revealed (3 cr.) CASE N&M** This course introduces principles of historical, physical, and environmental geology by examining select state and national parklands that showcase the many dynamic Earth processes that help shape the Earth's surface. Additionally, emphasis is placed on the protection and degradation of natural resources within the parks. One required field trip.

**GEOL-G 141 Earthquakes and Volcanoes (3 cr.) CASE N&M** Examination of the causes and effects of earthquakes and volcanic activity. Impacts of earthquakes and volcanic eruptions, including secondary effects such as landslides, mudflows, and tsunamis; climactic effects; energy/mineral resources; and social disruption. Mitigation of effects of natural disasters. Two lectures and one laboratory per week.

**GEOL-G 150 Exploring Extraterrestrial Life in Martian Rocks (3 cr.) CASE N&M** Concept of life and fossils in geology. Purpose, strategy, and processes of data collection. Web-derived data from NASA, LPI, PSR, and JPL on Martian meteorites. Evaluation of evidence of life in Mars. In-class/lab writing is required.

**GEOL-G 161 Earth Resources (3 cr.) CASE N&M** An overview of the location, genesis, extraction, utilization of, and exploration for natural resources, including petroleum, coal, uranium, industrial minerals, gems, and metallic ores. Environmental issues related to resource extraction and processing, and the role of mineral and energy reserves in international economics are examined. Two lectures and one laboratory per week.

**GEOL-G 171 Environmental Geology (3 cr.) CASE N&M** Examination of natural and man-induced geologic

hazards: earthquakes, volcanoes, landslides, and land subsidence; environmental issues; disposal and management of solid, chemical, and radioactive waste; acid mine drainage, as well as the environmental impact of mineral extraction and water resource utilization. Two lectures and one laboratory per week.

**GEOL-G 188 Volcanoes of the Eastern Sierra Nevada: Geology and Natural Heritage of the Long Valley Caldera (3 cr.) CASE N&M** P: CLLC-L 100 or consent of instructor. Introductory-level field course. Introduces students to the natural history of the eastern Sierra Nevada mountains. Focuses on the geological processes, natural hazards, and environmental issues facing a unique and environmentally sensitive area of the western United States. I SS.

**GEOL-G 190 The Evolving Earth (1-3 cr.)** Processes that have produced the earth and are continuing to change it. Topics include origin and evolution of life, dynamic forces within the earth (earthquakes and volcanism), geological sources of energy, and the effect of humans on the geologic environment. Occasional field trips.

**GEOL-Q 203 Earth Science for Teachers (4 cr.)**

P: PHYS Q202. Introduction to origin, composition, and structure of the lithosphere, hydrosphere, and atmosphere as well as the interrelationship among spheres. Modern astronomy, including solar system, origin of stars, astronomical measurement, and astrogeology. Special emphasis on subjects commonly taught in elementary schools. Credit available only to students majoring in elementary education.

**GEOL-G 221 Introductory Mineralogy (4 cr.) CASE N&M** P or C: College-level course in chemistry. The assembly of minerals from atoms in nature. Atomic bonding, structures, and symmetry. Control of physical properties by symmetry. Interaction of light with crystals.

Crystal fields and forces driving the growth of crystals from melts and aqueous solutions. The chemistry of silicates and other minerals. Three lectures, one two-hour lab. Credit given for only one of GEOL G221 or G225. I Sem.

**GEOL-G 222 Introduction to Petrology (4 cr.) CASE N&M** P: G221. Study of the principal representatives of the major chemical groups of minerals. Emphasis on rock-forming and useful minerals, their crystal structure, chemistry, physical properties, association, and occurrence. Study of major rock types. Two lectures and one three-hour laboratory per week. II Sem.

**GEOL-G 225 Earth Materials (4 cr.) CASE N&M** P: One course in chemistry. This course sequentially considers minerals, rocks, sediments, and soils; the materials that comprise the solid earth. The distribution and environmental significance of these materials are studied, as are their chemical and physical interactions with groundwater and plants. Three 50-minute lectures and one 2-hour laboratory per week. Laboratory attendance is required. Credit given for only one of GEOL G225 or G221.

**GEOL-G 271 Introduction to Environmental Field Methods (3 cr.)** P: 100-level course in environmental science from geology, biology, or SPEA. R: GEOL-G 171.

Application of knowledge gained in introductory courses to the evaluation and remediation of environmental

contaminants. Explanation and practice of sampling methods to prepare for further environmental course work.

**GEOL-G 300 Environmental and Urban Geology (3 cr.)**  
**CASE N&M P:** One course in physical or general geology or physical geography. Significance of regional and local geologic features and processes in land use. Use of geologic factors to reduce conflict in utilization of mineral and water resources and damage from geologic hazards.

**GEOL-G 302 Development of the Global Environment (3 cr.)** **CASE N&M P:** One semester of college chemistry, physics, or astronomy; MATH M118 or equivalent. Origin of the chemical elements, formation of the solar system and planets, development of the terrestrial atmosphere and rise of atmospheric oxygen, evolution of complex life, and prospects for the future of our planet.

**GEOL-G 308 Paleontology and Geology of Indiana (3 cr.)** **P:** 100-level geology, evolution, biodiversity or archaeology course, or consent of instructor. Paleontology and geology with a regional focus, emphasizing life, the sedimentary record, changing paleo-environments, and the origin of Indiana's modern landscape, biota, and natural resources. Includes fossil identification and analyses of paleontological data.

**GEOL-G 316 Mineral Fuels and Materials (3 cr.)**  
**CASE N&M P:** One course in general geology. Origin of petroleum, coal, industrial minerals, and ore deposits; reserves, resources, and future needs; history, economic, and environmental considerations; national minerals policy; and international aspects of energy and raw materials distribution.

**GEOL-G 319 Elementary Field Geology (2 cr.)** **P:** MATH M014 or equivalent. **C:** MATH M014 or equivalent. Use of geologic surveying instruments; aneroid barometer, Brunton pocket transit, telescopic alidade. SS.

**GEOL-G 321 Field Geology for Business Students (3 cr.)** **CASE N&M P:** G103 or G104 or consent of instructor. A field-based course taught in Montana. General topics include topographic and aerial maps and their role in resource exploration; rocks, minerals, and associated industrial uses; oil, natural gas, groundwater migration and concentration, mining and environment, streams (economic importance, floodplains, practical uses and limitations).

**GEOL-G 323 Structural Geology (4 cr.)** **CASE N&M P:** G104 or G112. **P or C:** G222. Geometry and origin of folds, faults, joints, and cleavage. Modes and principles of rock deformation. Regional tectonics of selected fold-mountain systems. Laboratory and field trip. II Sem.

**GEOL-G 328 Energy, Resources, and the Environment (3 cr.)** **CASE N&M P:** Students without a prior college-level science or mathematics course must seek consent of instructor. Introduction to energy supply and demand using a scientific basis for understanding interactions between energy usage, the production of electricity, and the environment. Focuses on the relationships between energy resources, climate change, and the need to provide electricity and fuel in an environmentally sustainable manner. Credit given for only one of G328 or GEOG-G 329.

**GEOL-G 329 Introductory Field Experience in Environmental Science (5-6 cr.)** **CASE N&M P:** One

course in environmental science and G225. Introduction to field-based scientific investigations. Experience in various environmental sciences including ecology, environmental chemistry, geology, hydrology, and meteorology. Field exercises are carried out within an instrumented demonstration watershed close to the IU Geologic Field Station in Montana. Course includes visits to several Superfund sites. SS.

**GEOL-G 334 Principles of Sedimentology and Stratigraphy (4 cr.)** **P:** G222. Interrelationship of sedimentation and stratigraphy; processes and factors influencing genesis of sedimentary strata; provenance, depositional environment, sedimentary facies, paleoecology; analytical techniques; application of principles of interpretation of stratigraphic record. Laboratory study of sediments and sedimentary rocks. I Sem.

**GEOL-G 339 Weather Analysis and Forecasting (3 cr.)**  
**CASE N&M P:** G122 or GEOG-G 109 or G107; or consent of instructor. Analysis and interpretation of meteorological data with a focus on forecasting applications for the mid-latitudes. Students learn the practical skills that weather forecasters use. Credit given for only one of G339 or GEOG-G 339.

**GEOL-G 340 Physical Meteorology, Climate, and Paleoclimate (3 cr.)** **CASE N&M P:** Any introductory science course or consent of instructor. Topics span multiple scales of atmospheric processes including past/recent/projected climate change, weather forecasting, severe weather, and surface energy budgets. Students gain knowledge concerning physical processes and properties of Earth's atmosphere and acquire skills used to study and quantify atmospheric processes through problem solving with models and remote sensing data. Credit given for only one of G340 or GEOG-G 304.

**GEOL-G 341 Natural History of Coral Reefs (3 cr.)**  
**CASE N&M P:** 100-level biology course for majors and a course in organism biology, ecology, sedimentology, or stratigraphy; demonstrated proficiency in swimming; approved application. Introduction to principles of biology, ecology, and geology of coral reef ecosystems.

**GEOL-G 347 Instrumentation for Atmospheric Science (3 cr.)** **CASE N&M P:** G340 or GEOG-G304, or consent of instructor. Introduces the principles of atmospheric measurement including sampling strategies, instrumentation and data analysis to quantify atmospheric variables and processes. Covers standard meteorological techniques: ground-based, satellite and airborne remote sensing; atmospheric chemistry and aerosol measurements. Research projects in experimental design use field and laboratory equipment to investigate climatological and meteorological principles.

**GEOL-G 349 Field Geology and Paleoanthropology at Olduvai Gorge (6 cr.)** **CASE N&M P:** Minimum 3.000 GPA and at least one course in geology, anthropology, physical geography, or related field of study. Interdisciplinary field course in geo-paleoanthropology in the Olduvai Gorge. Develops skills in the application of innovative theory and techniques in human evolutionary research. Promotes understanding of evolutionary processes, such as tectonics and climate episodes,

and how these processes influence the development of savanna environments in the East African Rift Valley.

**GEOL-G 351 Elements of Hydrology (3 cr.)** P: C118, P201/P221, and M212 or M216, or consent of instructor. Introduction to hydrology, physical properties of water relating to heat transfer and flow, phases of water and phase changes, water as a solvent and transporting agent, water budgets at various scales of inquiry, fluid pressure and potential, and fluid flow at the surface and subsurface of the earth.

**GEOL-G 364 Dynamic Meteorology: Boundary-Layer Meteorology (3 cr.) CASE N&M** The atmospheric-boundary layer is the interface between the free atmosphere and the surface. Basic meteorological theory for processes in the atmospheric boundary-layer that scale from the microscale to the mesoscale. Aerodynamic and energy budget concepts. Development and application of boundary-layer models and associated parameterizations. Lecture and laboratory format. Credit given for only one of G364 or GEOG-G 362.

**GEOL-G 399 Reading for Honors (1-6 cr.)** P: Approval of departmental honors advisor. May be repeated for a maximum of 12 credit hours. I Sem., II Sem.

**GEOL-G 404 Geobiology (3 cr.) CASE N&M** P: One of BIOL-L 111, GEOL-G 308, or GEOL-G 334; or consent of instructor. Application of biological principles and use of fossils in the study of earth history. The vertebrate fossil record; evolution; approaches to taxonomy; ecology of ancient life; use of fossils in the solution of geologic problems.

**GEOL-G 406 Introduction to Geochemistry (3 cr.)** P: G222, MATH M212 or M216, and CHEM C117; or consent of instructor. Chemistry in the study of the earth, employing elementary chemical thermodynamics, the phase rule, chemical equilibria, redox reactions, the radioactive decay law, and organic chemistry.

**GEOL-G 410 Undergraduate Research in Geology (1-6 cr.)** P: Junior standing and consent of advisor. Field and laboratory research in selected problems in geology. I Sem., II Sem., SS. May be repeated for a maximum of 6 credit hours.

**GEOL-G 411 Invertebrate Paleontology (3 cr.)** P: BIOL L111 or L112, and one 300- or 400-level course in biology or geology. Structure, classification, habitats, and geological history and significance of the invertebrate phyla. Laboratory study of fossils.

**GEOL-G 413 Introduction to Geophysics (3 cr.)** P: PHYS P202 and P222 and MATH M212 or M216. Application of physics in the study of geologic and environmental problems. Theory and application of seismic, gravity, magnetic, and electric methods in exploration of the earth's subsurface, with emphasis on near-surface processes. Two lectures and one laboratory per week.

**GEOL-G 415 Principles of Geomorphology (3 cr.)** P: G222; college chemistry and mathematics or consent of instructor. Natural processes that form landscapes, surficial geologic materials and soils. Physics and chemistry of weathering. Dynamics of streams, wind,

waves, glacier ice, and mass movement. Interactions of geomorphology and environment.

**GEOL-G 416 Economic Geology (3 cr.)** P: G334; CHEM C118 or consent of instructor. Geologic occurrence and genesis of economic mineral deposits, including petroleum and coal. Introduction to mining, processing, and exploration methods. Two lectures and one 2-hour laboratory per week.

**GEOL-G 417 Optical Mineralogy (3 cr.)** P: G222. Theory and use of optics in the identification and classification of rock-forming minerals in fragments and thin sections. One lecture and two 2-hour laboratory meetings per week.

**GEOL-G 418 Igneous and Metamorphic Petrology (3 cr.)** P: G222 or equivalent. The petrogenesis of igneous and metamorphic rocks. Both the lecture and laboratory portions of the course stress the application of modern petrographic, mineralogic, geochemical, and phase equilibria techniques to the solution of relevant petrologic problems. Two lectures and one 2-hour laboratory meeting per week.

**GEOL-G 419 Sedimentary Geology of Dinosaur-Bearing Rocks (2 cr.)** Five-day, six-night field course in Wyoming for primary and secondary science educators requiring licensing certification renewal. Focus is on presenting simple concepts of geology and paleontology utilized in reconstructing the ancient landscape, climate, and environments of deposition of important dinosaur-bearing formations. Additional course fee required.

**GEOL-G 420 Regional Geology Field Trip (1-2 cr.)** P: Consent of instructor. Field investigation of selected regions of North America for study of mineralogic, lithologic, stratigraphic, structural, paleontologic, geomorphologic, or other geological relationships. Six to 15 days in the field. May be repeated.

**GEOL-G 423 Methods in Applied Geophysics (4 cr.)** P: G413 or equivalent. Application of geophysical principles to field and laboratory experiments, with emphasis on data acquisition, analysis, and geologic interpretation. Experiments include earthquake seismology, electrical resistivity, magnetic and gravity surveys, and reflection and refraction seismology.

**GEOL-G 424 Geographic Information Systems Applications in Geology (3 cr.)** Concepts and use of geographic information systems (GIS) and global positioning system (GPS) technologies are introduced during intensive laboratory sessions. Fieldwork, conducted in the Indiana University Research and Teaching Preserve, involves mapping of pertinent features using GPS units followed by additional data collection aimed at attributing specific mapped features.

**GEOL-G 426 Field Techniques in Basin Analysis (1-3 cr.)** P: G334. R: G323. Instruction in sedimentological techniques including facies, paleocurrent and provenance analysis; measured sections, facies mapping and approaches to regional study of sedimentary basins in the field. Application of these techniques to actual field problems in basin analysis. May be repeated for a maximum of 3 credit hours.

**GEOL-G 427 Introduction to X-ray Mineralogy (3 cr.)** P: G221. Advanced topic in mineralogy, including non-ideal solid solutions, order-disorder, exsolution, and

strain. Theory and practice of X-ray powder diffraction. Measurement and analysis of digital diffraction data, including profile fitting and Rietveld refinement. Two lectures and one 2-hour laboratory per week.

**GEOL-G 429 Field Geology in the Rocky Mountains (5-8 cr.)** P: G222, G323 Six weeks, including five weeks at the Geologic Field Station in Montana. Geologic reconnaissance, measurement of stratigraphic sections, mapping on aerial photographs, construction of structure sections. Regional geomorphology, stratigraphy, and structure through South Dakota, the Black Hills, Wyoming, Montana, Yellowstone Park, and Glacier Park. SS.

**GEOL-G 433 Geology, Hydrology and Geochemistry in the Rocky Mountains (6 cr.) CASE N&M** P: At least 22 credit hours of course work in geology or consent of instructor. Surface and near-surface environmental processes are examined within the geologic setting of the IU Judson Mead Geologic Field Station. Components of the Willow Creek Demonstration Watershed are studied within the same general field areas to illustrate their interconnectedness. Includes trips in and around Yellowstone National Park and Butte, Montana.

**GEOL-G 434 Dynamic Meteorology: Synoptic to Global Scales (3 cr.) CASE N&M** P: G340 or GEOG-G 304. R: G339 or GEOG-G339, MATH M211-M212, and PHYS P221. Introduction to dynamical processes at the synoptic to global scales. Principles of fluid dynamics and thermodynamics and their application to the atmosphere. Basic conservation laws and equations of motion. Topics covered also include planetary waves and blocking mechanisms, teleconnections, and the global general circulation. Credit given for only one of G434 or GEOG-G 431.

**GEOL-G 437 Advanced Synoptic Meteorology and Climatology (3 cr.) CASE N&M** P: G339 or G340, or GEOG-G304 or G339; or consent of instructor. Analysis and prediction of synoptic scale weather systems, emphasizing the mid-latitudes. Other topics include severe weather and atmospheric/oceanic teleconnections. Credit given for only one of G437 or GEOG-G 433.

**GEOL-G 438 Air Pollution Meteorology (3 cr.) CASE N&M** P: G340 or GEOG-G 304, or consent of instructor. Analysis of the physical laws that govern the transport, transformation, and removal of atmospheric pollutants. Primary emphasis will be on physical and chemical processes, although biological impacts also will be considered. Credit given for only one of G438 or GEOG-G 434.

**GEOL-G 444 Methods in Analytical Geochemistry (1-2 cr.)** An overview of basic collection and preparation of water, soil, and geologic materials for analysis by analytical geochemistry techniques for environmental, and exploration geology, and geochemistry applications. Techniques include Inductively Coupled Plasma (ICP), Atomic Spectrometry Absorption (AAS) by flame and graphite furnace, X-ray fluorescence, and Leco carbon and sulfur concentration determinations. May not be repeated.

**GEOL-G 448 Sustainable Energy Systems (3 cr.) CASE N&M** P: Junior standing or consent of instructor. Examination of current energy use and the role of renewable energy resources in meeting future demand.

Covers the physical and technological basis for geothermal, wind, solar, hydro and marine energy, in addition to the environmental, economic, and social impacts of developing and utilizing these sustainable resources. Credit given for only one of G448 or GEOG-G 442.

**GEOL-G 451 Principles of Hydrogeology (3 cr.)** P: C118, M212 or M216, and consent of instructor. Physical and chemical properties of water; chemical equilibria and stable isotopes in groundwaters; acid drainage, landfills, and agricultural pollution; Darcy's Law, fluid potential, unsaturated flow; fluid and aquifer properties affecting groundwater flow; fluid mass-balance equation and its application; contaminant transport.

**GEOL-G 454 Fundamentals of Plate Tectonics (3 cr.) CASE N&M** P: G323, G334 or consent of instructor. Synthesis of observations from diverse disciplines of geology leading to the development of modern plate tectonic theory. Applications of plate tectonic principles to fundamental problems of continental and marine geology. Meets jointly with G554.

**GEOL-G 456 Wind Power Meteorology (3 cr.)** P: G340 and G364, or GEOG-G304 and GEOG-G362, or consent of instructor. Explains the science of wind power meteorology with a focus on practical elements, such as how to measure wind resources, estimate wind turbine loads, and optimize wind turbine siting. Lecture and lab format with project work. Credit given for only one of G456 or GEOG-G455.

**GEOL-G 466 Hydrometeorology (3 cr.) CASE N&M** P: P: G340. Hydrometeorology is a branch of meteorology that deals with problems involving the hydrologic cycle, the water budget, and the rainfall statistics of storms. Students gain experience with the physics controlling these processes and with the tools and techniques used to observe and predict hydrometeorological processes.

**GEOL-G 470 Micrometeorology (3 cr.) CASE N&M** P: G340 or GEOG-G304, MATH M211-M212, or consent of instructor. Atmospheric processes at the micro and local scale. Topics include energy and mass exchange over simple nonvegetated surfaces, vegetated surfaces, nonuniform terrain, and inadvertent climate modification. Credit given for only one of G470 or GEOG-G 470.

**GEOL-G 474 Topics in Micro and Boundary-Layer Meteorology (3 cr.) CASE N&M** P: G470 or GEOG-G 470, MATH-M 211-M212, PHYS-P 201 or P221 (P221 recommended); or consent of instructor. Topics may include surface-vegetation-atmosphere interaction, dynamics of turbulent transport, boundary layer dynamics, turbulent kinetic energy and stability, dimensional analysis and similarity theory, effects of surface inhomogeneity on boundary layer dynamics, patchiness, urbanization, regional aggregation of surface atmosphere exchange, applications to mesoscale modeling, and air pollution dispersion modeling. Credit given for only one of G474 or GEOG-G 471.

**GEOL-G 476 Climate Change Science (3 cr.) CASE N&M** P: At least two undergraduate physical science courses or consent of instructor. Evidence for and theories of climate change over a range of time scales. Sources of natural climate forcing are presented, historical evolution of climate change is quantified, and model tools and

climate projections are presented along with analyses of climate change impacts. Credit given for only one of G476 or GEOG-G 475.

**GEOL-G 490 Undergraduate Seminar (1-3 cr.)** Open to junior and senior majors by special permission. Readings and discussion of selected topics. May be repeated for a maximum of 4 credit hours.

**GEOL-G 499 Honors Research in Geology (1-6 cr.)**

P: Approval of departmental honors advisor. I Sem., II Sem., SS. May be repeated for a maximum of 6 credit hours.

## Germanic Studies

### Introduction

The Department of Germanic Studies (GER) offers a full curriculum including German language, linguistics, literature, and culture, as well as courses in Dutch, Yiddish, and Norwegian. Faculty members teach at all levels; class sizes are moderate to small; and there are many opportunities for direct student-faculty contact.

Many Germanic studies majors complement their study of German with a major in another department or with a teaching certificate. The department encourages students with interests in business or international studies to learn German.

Information on exams for placement and credit can be found in the Foreign Language Requirement section of this Bulletin.

### Contact Information

Department of Germanic Studies  
Indiana University  
Ballantine Hall 644  
Bloomington, IN 47405

(812) 855-1553  
[germanic@indiana.edu](mailto:germanic@indiana.edu)

[www.indiana.edu/~germanic](http://www.indiana.edu/~germanic)

## Faculty

### Chairperson

- Professor Fritz Breithaupt

### Professors

- Claudia Breger
- Fritz Breithaupt
- Kari Ellen Gade
- Tracy Alan Hall
- Hildegard Keller
- Dov-Ber Kerler
- William Rasch
- Rex Sprouse
- Marc Weiner

### Associate Professors

- Michel Chaouli
- Benjamin Robinson
- Johannes Türk

### Clinical Associate Professor

- Susanne Even
- Troy Byler
- Esther Ham
- Nikole Langjahr
- Gergana May

### Senior Lecturers



### Academic Advising

- Sioux Hill, Ballantine Hall 873, (812) 855-1553

## Major in Germanic Studies

### Required Courses

Students must complete 30 credit hours in the major, including 26 credit hours of Germanic Studies courses at the 300 and 400 level. At least 20 credit hours must be in courses taught in German; a minimum of 12 of these 20 credit hours must be at the 400 level.

Students must also complete the degree requirements of the College of Arts and Sciences.

## Certificate in Dutch Studies

### Required Courses

Students must complete 27 credit hours in Dutch language and culture courses, including

- 15 credit hours in core Dutch language courses such as GER-N200\*, N250, N300, N330 and N400.
- GER-E 341 Dutch Culture: The Modern Netherlands (3 cr.) and GER-E 342 The Golden Age of Dutch Culture (3 cr.)
- at least 6 credit hours from a choice of courses with Dutch culture content, approved by the Director. Some options are
  - FINA-A 333 From Van Eyck to Vermeer
  - FINA-A 437 Playing with Pictures in the Fifteenth-Century Netherlands
  - GER-E 343 Topics in Dutch Literature
  - POLS-Y 335 Western European Politics
- at least 9 credit hours of course work at the 300-level or above.
- at least 9 credit hours on the Bloomington campus.

\*Note: 100-level language courses do not count toward the certificate.

## Minor in German

### Required Courses

Students must complete 15 credit hours of Germanic Studies course credit at the 300 and 400 level, including at least 12 credit hours in courses taught in German.

## Minor in Germanic Studies

### Requirements

Students must complete 15 credit hours of Germanic Studies course credit at the 300 and 400 level. Courses may include 300-level English-language courses, as well as any course or courses taught in German, Dutch, Norwegian, or Yiddish at the 300–400 level. No course taken in fulfillment of another major or minor in the department may be applied to the Minor in Germanic Studies.

## Minor in Dutch Studies

### Courses Required

Students must complete the following:

- N150
- N200
- N250

Nine additional credit hours chosen from the following:

- N300
- N330
- E341
- E342
- E343
- FINA-A 437

## Minor in Norwegian

### Required Courses

Students must complete the following:

1. K150, K200, K250.
2. 9 additional credit hours chosen from
  - E361,
  - E362,
  - E363, or
  - HIST-B 303/D300/CEUS R309 (approved topic: Modern Scandinavia and the Baltic States).

## Minor in Yiddish Studies

### Required Courses

Students must complete the following:

- GER-Y 150 (4 cr.).
- GER-Y 200 (3 cr.).
- GER-Y 250 (3 cr.).

9 additional credit hours chosen from the following:

- GER-E 351/CMLT-C 377
- GER-E 352/CMLT-C 378
- GER-Y 495
- HIST-D 304

## Departmental Honors Program

Students are identified as potential candidates for the honors program through recommendation by a professor in any 300- or 400-level course. Outstanding students with a minimum grade point average of at least 3.500 in German courses and a 3.300 GPA overall may apply for admission to the honors program.

In addition to regular course work toward a major in Germanic studies, honors students complete from one to three honors tutorials (G399) and an honors thesis (G499). Honors work is guided and approved by the departmental honors advisor, who also serves as the candidate's major advisor. Work in G399 and G499 is closely supervised by individual faculty members. On the basis of outstanding performance in the regular major program, in tutorials, and on the thesis, the departmental honors advisor will recommend graduation with departmental honors in Germanic Studies. For detailed information, please contact the honors advisor.

## Overseas Study

All students who have completed G250 or the equivalent may apply to participate in Indiana University's Overseas Study Program in Graz, held each year in May and June. This program features residential placement with Austrian families, while each student takes an Austrian culture course and a German language course.

Students with 300-level proficiency or higher may spend one or both semesters of their junior or senior year, with full credit, at the Indiana University Overseas Study Program in Freiburg, Germany. With consent of the Director of Undergraduate Studies, the junior year may be taken in other overseas programs in Germany or Austria. Before enrolling in foreign institutions, students must consult the director of undergraduate studies. For information about study abroad, contact the [Office of Overseas Study](#) in the Leo R. Dowling International Center, 111 South Jordan Avenue, (812) 855-9304.

## Secondary Teacher Certification

For information on Secondary Teacher Certification, interested students should consult the *School of Education Undergraduate Academic Bulletin* and the advisor for Germanic Studies.

## German at the German House

The German House offers extracurricular activities, such as a weekly language table, German film showings, and museum tours. For more information on German House events please contact the department.

## Course Descriptions

### German

#### Courses Taught in German

To advance in the G100-G150-G200-G250 sequence, students must earn a grade of C- or higher in the preceding course.

**GER-G 100 Beginning German I (4 cr.)** Introduction to present-day German and to selected aspects of the cultures of German-speaking countries. Introduction to German grammatical forms and their functions. Development of listening comprehension, simple speaking proficiency, controlled reading skills and simple written compositions. Active oral participation required. I Sem., II Sem., SS. Credit given for only one of the following: G100–G150 or G105.

#### GER-G 105 Accelerated First-Year German (5 cr.)

R: Highly motivated students or those with proficiency in another foreign language. All elements of grammar, principles of word formation, phonetic and phonemic concepts, structure analysis, extensive reading, and active use of German. Offered only in the fall semester. Credit given for only one of the following: G105 or G100–G150.

**GER-G 150 Beginning German II (4 cr.)** P: G100 with a minimum grade of C-. Introduction to present-day German and to selected aspects of the cultures of German-speaking countries. Introduction to German grammatical forms and their functions. Development of listening comprehension, simple speaking proficiency, controlled reading skills and simple written compositions. Active oral participation required. I Sem., II Sem., SS. Credit given for only one of the following: G100–G150 or G105.

**GER-G 200 Intermediate German I (3 cr.)** P: G150 or G105 with a minimum grade of C-. Further development of oral and written command of language structures. Review of selected grammatical items. Listening comprehension. Reading of literary and non-literary texts. Discussion of selected films. Oral presentations. Writing of compositions based on the material covered. Emphasis on both speaking proficiency and structural awareness. Conducted in German. I Sem., II Sem., SS. Credit given for only one of G200 or G106.

**GER-G 250 Intermediate German II (3 cr.)** P: G200 with a minimum grade of C-. Further development of oral and written command of language structures. Listening comprehension. Review of selected grammatical items. Discussion of modern German literary and non-literary texts, as well as films. Oral presentations. Writing of compositions based on the material covered. Emphasis on both speaking proficiency and structural awareness. Conducted in German. I Sem., II Sem., SS. Credit given for only one of G250 or G106.

**GER-G 300 Fifth-Semester College German (3 cr.)** P: G250 or G106 or equivalent. Comprehensive review of grammatical points introduced in G100 through G250. Reading proficiency, systematic vocabulary building, composition, and discussion through the assignment of short literary texts and one novel or play. Conducted in German.

**GER-G 305 Introduction to German Literature: Types (3 cr.) CASE A&H** P: G300 or equivalent. Study of literary types (narrative, dramatic, lyric), with examples of each selected from two or more periods. Conducted in German.

**GER-G 306 Introduction to German Literature: Themes (3 cr.) CASE A&H** P: G300 or equivalent. Study of a single literary theme (such as music, generational conflict, love, revolution) as represented in two or more periods. Conducted in German.

**GER-G 330 Sixth-Semester College German (3 cr.)** P: G300 or equivalent. Advanced oral and written communication. Study of selected advanced grammatical topics. Reading of primarily non-literary texts. Required for teacher certification. Conducted in German.

**GER-G 361 Contemporary Austria (3 cr.) CASE S&H, CASE GCC** P: Participation in the Graz Summer Program. An on-site introduction to Austrian culture and its roots. Family, education, religion and the arts, music, customs and traditions; the economy and tourist industry; historical relations with Germany and the new identity of the Second Republic. Conducted in German.

**GER-G 362 Introduction to Contemporary Germany (3 cr.) CASE S&H, CASE GCC** P: G300 or equivalent. An overview of contemporary German civilization, with attention to the other German-speaking countries. Political, economic, and social organization. Conducted in German.

**GER-G 363 Introduction to German Cultural History (3 cr.) CASE A&H, CASE GCC** P: G300 or equivalent. A survey of the cultural history of German-speaking countries, with reference to its social, economic, and political context.

**GER-G 375 Conversational German (3 cr.)** P: G330. Emphasis on developing oral proficiency. Students

are expected to increase their vocabularies, gain more accuracy in self-expression, and develop a sensitivity to appropriate usage. Texts for the course will include examples from contemporary German media. Assignments may include dialogues, skits, and parodies. Conducted in German.

**GER-G 400 Advanced College German (3 cr.)** P: G330 or equivalent. Reading, discussion, and analysis (structural and grammatical) of advanced non-literary texts (academic essays, scientific articles, journals, newspaper articles, interviews, etc.). Development of writing skills. Conducted in German.

**GER-G 403 Medieval German Literature (3 cr.) CASE A&H** P: G330 or equivalent. Introduction to reading Middle High German and survey of Middle High German literature. Historical and cultural background on the Middle Ages in German-speaking countries. Conducted in German.

**GER-G 404 Modern German Literature (3 cr.) CASE A&H** P: G330 or equivalent. Selection of significant German literary works since 1500. Topic announced in online [Schedule of Classes](#). Conducted in German. May be repeated with a different topic for a maximum of 6 credit hours.

**GER-G 415 Perspectives on German Literature (3 cr.) CASE A&H** P: G330 or equivalent. Study of one aspect of German literature: formal, historical, political, psychological, etc. Relation to wider concerns in and outside of literature. Topic announced in the online [Schedule of Classes](#). Conducted in German. May be repeated with a different topic for a maximum of 6 credit hours.

**GER-G 416 Studies in German Authors (3 cr.) CASE A&H** P: G330 or equivalent. Life and works of a major author or a group of authors. Topic announced in the online [Schedule of Classes](#). Conducted in German. May be repeated with a different topic for a maximum of 6 credit hours.

**GER-G 418 German Film and Popular Culture (3 cr.) CASE A&H, CASE GCC** P: G330 or equivalent. Study of German film and/or other manifestations of German popular culture (television, music, cabaret, *Trivialliteratur* of the twentieth century).

**GER-G 421 Contemporary Germany: Overview (3 cr.) CASE S&H, CASE GCC** P: G330 or equivalent. Political, sociological, economic, and cultural aspects of present-day Germany. Comparison with adjacent states. Conducted in German. Credit given for only one of G421 or V400.

**GER-G 422 Contemporary Germany: Special Topics in German Studies (3 cr.) CASE S&H, CASE GCC** P: G330 or equivalent. Topics dealing with language, literature, and culture of any of the German-speaking countries, generally in the more recent historical periods. Conducted in German. May be repeated with different topics for a maximum of 12 credit hours in G422 and V405.

**GER-G 424 Literature and Society since 1945 (3 cr.) CASE A&H, CASE GCC** P: G330 or equivalent. Major public concerns as reflected in German literature since World War II. Literary art in its cultural and political

context. Conducted in German. Credit given for only one of G424 or V406.

**GER-G 448 Introduction to German Phonetics and Phonology (3 cr.) CASE N&M** P: G330 or equivalent.

Phonetics of modern German, including practice in transcription, contrastive analysis of English and German, and attention to pronunciation. Brief historical sketch of principal phonological developments. Conducted in German.

**GER-G 451 Introduction to German Syntax (3 cr.)**

**CASE N&M** P: G330 or equivalent. The syntax of modern German, with a practical introduction to the methods of grammatical analysis. Conducted in German.

**GER-G 453 Introduction to German Sociolinguistics (3 cr.) CASE S&H, CASE GCC** P: GER-G330 or

equivalent. Examines the relationship between language and society in the German-speaking world. Issues include early linguistic socialization, language of institutions (education, medicine, law), language and identity (age, gender, sexuality, ethnicity, region), language and multiculturalism, German as a polycentric and as a pan-European language. Conducted in German.

**GER-G 458 Introduction to German Morphology (3 cr.)**

**CASE N&M** P: G330 or equivalent. In-depth study of the principles underlying word formation (morphology) in German. Comparative study of inflection, derivation, and compounding in German and English. Conducted in German.

**GER-G 459 Introduction to the History of the German Language (3 cr.) CASE S&H** P: G330 or equivalent.

Introduction to the German language from its Indo-European origins to the present. Examination of the changing role of German in a changing Europe and to the structure, geo-politics, and sociolinguistics of standard and non-standard varieties of the language. Conducted in German.

**GER-G 464 German Culture and Society (3 cr.) CASE S&H, CASE GCC** P: G330 or equivalent. The interaction

of social, intellectual, and artistic forces in German life of the past two centuries, with emphasis on important developments and figures. Conducted in German. May be repeated with a different topic for a maximum of 6 credit hours.

**Reading Knowledge Courses Primarily for Graduate Students**

**GER-G 491 Elementary German for Graduate Students (3-4 cr.)**

Introduction to structure of the language necessary for reading, followed by reading in graded texts of a general nature. Open, with consent of the instructor, to undergraduates who have already completed the language requirement for the B.A. in another language. I Sem., SS. Credit not given for G491 and G100 or G150.

**GER-G 492 Readings in German for Graduate Students (3-4 cr.)** P: G491 or consent of department. II

Sem., SS. Credit not given for G492 and G106, G200, or G250.

**Courses Taught in English**

**GER-E 121 An Introduction to German Culture (3 cr.)**

**CASE S&H, CASE GCC** Introduction to important events of German cultural history. Rather than sticking to the

strict chronology of history, it introduces concepts that lend meaning to chronology in the first place. The course is built around ideas—religion, language, literature, sports, for example—that make sense of the changing flow of events and yield historical narratives.

**GER-E 311 Tradition and Innovation in German Literature (3 cr.) CASE A&H** Major themes and ideas in

prominent works of German literature (lyric, fiction, drama) in translation, selected from various historical periods. Conducted in English. Credit given for only one of E311 or G255.

**GER-E 321 Gender and Sexuality in Germany (3 cr.) CASE S&H, CASE GCC** Study of the shifting definitions

and social constructions of masculinity, femininity, homosexuality, and related topics, as reflected in the cultural documents (texts, films, music, etc.) of German-speaking society from the Enlightenment to the present. Conducted in English. Credit given for only one of E321 or G277.

**GER-E 322 German Cultural History (3 cr.) CASE A&H, CASE GCC** A survey of the cultural history of German-speaking countries, with reference to its social, economic, and political context. Conducted in English. Credit given for only one of E322 or G364.

**GER-E 323 German Film Culture (3 cr.) CASE A&H, CASE GCC** An introduction to the methods of film studies

by examining the aesthetic, sociological, political, and philosophical contexts of German film, as well as its role in the development of European and American cinematic tradition. Conducted in English. Credit given for only one of E323 or G390.

**GER-E 333 Introduction to the Germanic Languages (3 cr.) CASE S&H** Introduction to the history, comparative

structure, and geo-politics of the Germanic languages. Does not require specific background in general linguistics or knowledge of a particular language other than English.

**GER-E 361 Vikings and Sagas (3 cr.) CASE A&H**

Introduction to Viking culture (c. 800–1100) and its reflections in selected sagas. Readings, lectures, and discussions. Conducted in English. Credit given for only one of E361 or G350.

**GER-E 371 Special Topics in Germanic Studies (1-3 cr.)**

Topics dealing with Germanic languages, literatures, and cultures. Conducted in English. May be repeated with different topics for a maximum of 6 credit hours.

**Dutch**

**GER-N 100 Intensive Dutch I (4 cr.)** Development of speaking ability, with stress on pronunciation, leading to fluency on restricted topics. Introduction to grammar. Reading of annotated stories.

**GER-N 105 Accelerated Elementary Dutch (5 cr.)**

Recommended for motivated students or those with proficiency in another foreign language. All elements of grammar, principles of word formation, phonetic, phonemic concepts, structure analysis, extensive reading, and active use of elementary Dutch. Credit given for only one of N105 or N100-N150.

**GER-N 150 Intensive Dutch II (4 cr.)** P: N100 or consent of instructor. Completion of grammatical study begun in

N100; continued stress on speaking Dutch on selected topics; rapid expansion of reading ability using literary and cultural materials.

**GER-N 200 Dutch Reading, Composition, and Conversation I (3 cr.)** P: N150 or consent of instructor. Development of oral fluency; attention to idiom. Further grammatical study; attention to formal writing style. Readings in Dutch literature and culture.

**GER-N 250 Dutch Reading, Composition, and Conversation II (3 cr.)** P: N200 or consent of instructor. Further development of style and idiom in speaking and writing. Reading of novels. Oral and written practice on topics of contemporary Dutch life.

**GER-N 300 Advanced Dutch I (3 cr.)** P: N250 with a minimum grade of C-. Comprehensive review of grammatical points introduced in N100 through N250. Reading proficiency, different levels of style and expression, and written argumentation. Discussion through short literary texts and one novel. Conducted in Dutch.

**GER-N 330 Advanced Dutch II (3 cr.)** P: N300 with minimum grade of C-. Introduction to different levels of style and expression and to written argumentation in Dutch. Texts include various literary genres and form the basis for in-class discussion and for exercises designed to develop oral and written fluency. Conducted in Dutch.

**GER-E 341 Dutch Culture: The Modern Netherlands (3 cr.) CASE S&H, CASE GCC** Development of a complex modern society of 15 million people in a physically unique area one-third the size of Indiana. The interaction of geography, social structure, political system, religion, and literature. Readings in English. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours in E341 and N350.

**GER-E 342 The Golden Age of Dutch Culture (3 cr.) CASE A&H, CASE GCC** Rise of the Dutch Republic; impact on technology, shipping, global commerce, and finance. Politics, social developments, religion, ideas, and culture of the Dutch Golden Age. Vermeer, Spinoza, Grotius, and other artists and writers. Special attention to Rembrandt, and to what can be learned about his times from his work. Conducted in English. Credit given for only one of E342 or N450.

**GER-E 343 Topics in Dutch Literature (3 cr.) CASE A&H, CASE GCC** Topics dealing with literature in Dutch. Readings in English translation of novels, plays, and poetry that reflect a specific topic chosen by the instructor. May be repeated with a different topic for a maximum of 6 credit hours.

**GER-N 400 Topics in Dutch Culture and Literature (3 cr.) CASE A&H, CASE GCC** P: N330 or equivalent. Dutch literature and culture since the Middle Ages. Analyzing, discussing, evaluating and writing about literary texts and articles about Dutch culture through the ages. Conducted in Dutch.

**GER-N 495 Individual Readings in Netherlandic Studies (1-3 cr.)** P: Permission of instructor. Individualized reading program in Netherlandic studies, generally designed to deepen foundation laid in previous course work with the same instructor.

## Scandinavian

**GER-K 100 Beginning Norwegian I (4 cr.)** Development of listening comprehension, speaking, reading and writing skills in a cultural context. Introduction to grammar. I Sem.

**GER-K 150 Beginning Norwegian II (4 cr.)** P: K100 with a grade of C- or higher, or equivalent. Further development of listening comprehension, speaking, reading and writing skills. Introduction to Norwegian literature and culture. Review of grammar and study of new grammatical topics. II Sem.

**GER-K 200 Intermediate Norwegian I (3 cr.)** P: K150 with a grade of C- or higher, or equivalent. Further development of oral and written command and language structures. Reading and discussion of literary and non-literary texts in a cultural context. Review of grammar and study of grammatical topics.

**GER-K 250 Intermediate Norwegian II (3 cr.)** P: K200 with a grade of C- or higher, or equivalent. Advanced reading proficiency, systematic vocabulary building, composition, and discussion of literary and non-literary texts in cultural and historical contexts. Review of grammar. Conducted in Norwegian.

**GER-K 300 Advanced Norwegian I (3 cr.)** P: GER-K250 with a minimum grade of C-, or equivalent. Focuses on increasing the structural and textual complexity of speaking and writing in Norwegian. Reviews complex grammar issues and uses a large number of contemporary literary and non-literary texts and visual materials to significantly expand vocabulary. Themes include health, lifestyle, communication, love, gender roles, and socialization.

**GER-K 330 Advanced Norwegian II (3 cr.)** P: GER-K300 with a minimum grade of C-, or equivalent. Focuses on increasing the structural and textual complexity of speaking and writing in Norwegian. Reviews complex grammar issues and uses a large number of contemporary literary and non-literary texts and visual materials to significantly expand vocabulary. Themes include language, politics, work, environment, family and education.

**GER-E 362 Topics in Scandinavian Culture (3 cr.) CASE A&H, CASE GCC** Topics dealing with language, literature, and culture in Norway and other Scandinavian countries in more recent historical periods. Discussions located within a comparative overview of political, economic, and social realms of the Nordic nations. Lectures in English. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours in E362 and K350.

**GER-E 363 Topics in Scandinavian Literature (3 cr.) CASE A&H, CASE GCC** Topics dealing with literature in Norway and other Scandinavian countries. Discussions incorporate literary criticism, biography, and adaptations on film and stage in the Nordic nations. Lectures in English. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours in E362 and K350.

**GER-S 491 Scandinavian Languages for Reading Knowledge (4 cr.)** Introduction to the structure of Swedish, Norwegian, and Danish necessary for reading, followed by reading in graded texts in the area of Scandinavian studies. Open to undergraduates who have

already completed the language requirement for the B.A. in another language, and to other undergraduates with the consent of the instructor.

**GER-K 495 Individual Readings in Scandinavian Studies (1-3 cr.)** P: Permission of instructor.

Individualized reading program in Scandinavian studies, generally designed to deepen foundation laid in previous course work with the same instructor.

**Swedish**

**GER-S 100 Beginning Swedish I (4 cr.)** Development of communicative skills: listening comprehension, speaking, reading, and writing in a cultural context. Introduction to grammar and vocabulary.

**GER-S 150 Beginning Swedish II (4 cr.)** P: S100 with a grade of C– or higher, or equivalent proficiency. Further development of listening comprehension, speaking, reading, and writing skills in Swedish. Introduction to Swedish literature and culture. Review of grammar and introduction to new grammatical topics.

**Yiddish**

**GER-Y 100 Beginning Yiddish I (4 cr.)** No previous knowledge of Yiddish or German required for Y100. Introduction to the Yiddish language and selected aspects of Yiddish-language culture. Development of listening comprehension, simple speaking proficiency, controlled reading and writing skills.

**GER-Y 150 Beginning Yiddish II (4 cr.)** P: Y100.

Introduction to the Yiddish language and selected aspects of Yiddish-language culture. Development of listening comprehension, simple speaking proficiency, controlled reading and writing skills.

**GER-Y 200 Intermediate Yiddish I (3 cr.)** P: Y150 or consent of instructor. Development of speaking, reading, writing, and listening skills. Review of basic grammar and study of new grammatical topics. Reading of short fictional texts and other writings on Jewish culture. Taught in alternate years.

**GER-Y 250 Intermediate Yiddish II (3 cr.)** P: Y200 or consent of instructor. Continuing development of active and passive skills. Additional new grammar concepts. Emphasis on development of reading skills and cultural knowledge through literary and journalistic texts including texts in nonstandardized orthographies. Taught in alternate years.

**GER-E 351 Topics in Yiddish Literature (3 cr.) CASE A&H, CASE GCC** Selected topics focusing on Yiddish fiction and drama (1810–1914) or twentieth-century Yiddish fiction, drama, and poetry. Taught in English. No prior knowledge of Yiddish required. Topics vary. May be repeated with a different topic. Students may receive a maximum of 6 credit hours for any combination of E351, Y300, and CMLT-C 377.

**GER-E 352 Topics in Yiddish Culture (3 cr.) CASE A&H, CASE GCC** Selected topics on history of Ashkenazic Jews; Old Yiddish and premodern Yiddish folklore and popular culture; history and sociology of Yiddish; modern Yiddish culture; and centers of modern Yiddish culture. Conducted in English. No prior knowledge of Yiddish required. Topics vary. May be repeated with a different topic. Students may receive a maximum of

6 credit hours for any combination of E352, Y350, and CMLT-C 378.

**GER-Y 495 Individual Readings in Yiddish Studies: Language, Literature, Culture (1-3 cr.)** P: Consent of instructor. Guided readings. May be repeated for a maximum of 12 credit hours.

**Other Courses**

**GER-G 396 German Language Abroad (1-6 cr.)** P: G250 or equivalent; acceptance into an Indiana University–approved overseas study program. Credit for intermediate to advanced German language study in a German-speaking country when no specific equivalent is available among departmental offerings. May be repeated for a maximum of 9 credit hours.

**GER-G 397 Residential Workshop (1-2 cr.)** P: Consent of chairperson and instructor. Discussion and workshop (performance, drama reading, etc.) given in residential units; conducted in German. Topic set in consultation with student group. May be repeated for a maximum of 6 credit hours.

**GER-G 399 Honors Tutorial (1-2 cr.)** P: Consent of departmental honors advisor. Honors course. Tutorial may be taken for 1 credit hour in conjunction with an upper-level course in which the student is concurrently enrolled, or independently for 2 credit hours under the supervision of a faculty member. May be repeated for a maximum of 4 credit hours.

**GER-G 430 College Teaching Internship (2 cr.)**

P: G330 and consent of director of undergraduate studies. Observation of and participation in the teaching of an undergraduate German course. Recommended for teacher certification candidates. Counts toward teacher certification but not toward 400-level concentration in German.

**GER-G 495 Individual Readings in Germanic Literatures (German, Scandinavian, Netherlandic) (1-3 cr.)** P: Consent of departmental chairperson. May be repeated for a maximum of 6 credit hours.

**GER-G 496 Advanced German Language Abroad (1-6 cr.)**

(1-6 cr.) P: G330 or equivalent; acceptance into an Indiana University–approved overseas study program. Credit for advanced German language study in a German-speaking country when no specific equivalent is available among departmental offerings. Maybe repeated for a maximum of 6 credit hours.

**GER-G 499 Honors Thesis (3 cr.)** P: G399 and consent of departmental honors advisor. Honors course.

## Introduction

The School of Global and International Studies (SGIS), established in 2013, builds on the unique resources of Indiana University to prepare students for careers in international affairs. SGIS academic programs focus on the global competencies of the twenty-first century by providing a thorough and interdisciplinary education in the study of economics, culture, politics, business, law, technology, and other fields.

The Departments, Programs, and Centers of SGIS offer more than twenty distinct undergraduate degrees and certificates and provide formal instruction in more than 70 languages. Overseas study and internship opportunities

for students extend to more than 250 destinations around the world.

The school will be housed in a new state-of-the-art building located at the heart of IU's beautiful campus, and presently operates out of Memorial Hall. A complete list of SGIS departments and programs offering undergraduate credentials is available [here](#).

### Contact Information

School of Global and International Studies  
 College of Arts and Sciences  
 Indiana University  
 Memorial Hall E., 127, 1021 East Third St.  
 Bloomington, IN 47405-7105

[sgis@indiana.edu](mailto:sgis@indiana.edu)

[sgis.indiana.edu](http://sgis.indiana.edu)

## Affiliated Departments and Programs

The departments and programs of the [School of Global and International Studies](#) (SGIS) provide Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. SGIS degree programs emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies.

### SGIS Departments:

- Central Eurasian Studies
- East Asian Languages and Cultures
- International Studies
- Near Eastern Languages and Cultures

### SGIS Programs:

- African Studies
- India Studies offered through The Madhusudan and Kiran C. Dhar India Studies Program
- Institute for European Studies
- Islamic Studies
- Latin American and Caribbean Studies
- Polish Studies
- Russian and East European Institute

## History

### Introduction

The study of history prepares students to understand our changing world. Department of History (HIST) courses cover a wide range of issues in all time periods and parts of the world. History students learn how change takes place, the tensions and conflicts it causes, and how individuals, groups, and societies change over time. The history major develops skills that are essential for any career: research, analysis, synthesis, and effective writing.

### Contact Information

Department of History  
 Indiana University  
 Ballantine 742  
 Bloomington, IN 47405

(812) 855-7581  
[histadm@indiana.edu](mailto:histadm@indiana.edu)

<http://www.indiana.edu/~histweb/>

### Faculty

#### Chairperson

- Eric Sandweiss

#### Chancellor's Professor

- John Bodnar

#### Bernardo Mendel Chair

- Daniel James

#### Pat M. Glazer Chair

- Mark Roseman

#### Donald F. Carmony Chair

- Eric Sandweiss

#### John W. Hill Professor

- Maria Bucur-Deckard

#### Paul V. McNutt Professor

- Michael McGerr

#### Thomas and Kathryn Miller Professor

- Christina Snyder

#### Sally Reahard Professor

- Michael Grossberg

#### Rudy Professor

- Jeffrey Gould

#### Ruth N. Halls Professor

- Dror Wahrman

#### Professors

- Judith Allen
- Maria Bucur
- Claude Clegg
- Nick Cullather
- Ben Eklof
- Wendy Gamber
- Peter Guardino
- Carl Ipsen
- Padraic Kenney
- Hiroaki Kuromiya
- Edward Linenthal
- Eric Robinson
- Robert Schneider

#### Associate Professors

- Deborah Deliyannis
- Arlene Diaz
- Konstantin Dierks
- Michael Dodson
- Arthur Field
- John Hanson
- Sarah Knott

- Lara Kriegel
- Alex Lichtenstein
- Marissa Moorman
- Amrita Myers
- John Nieto-Phillips
- Scott O'Bryan
- Julia Roos
- Leah Shopkow
- Rebecca Spang
- Jakobi Williams

#### **Assistant Professors**

- Pedro Machado
- Krista Maglen
- Jason McGraw
- Roberta Pergher
- Kaya Sahin
- Jonathan Schlesinger
- Kirsten Sword
- Fei-Hsien Wang
- Ellen Wu

#### **Academic Advising**

- James Basore, Ballantine Hall 706, (812) 855-1437

## **Major in History**

#### **Required Courses**

Students must complete a minimum of 30 credit hours to include:

1. A concentration of 12 credit hours.
2. One field of 6 credit hours.
3. Additional electives (6 credit hours) from areas other than the concentration and field areas.
4. J300 (Junior Seminar) and J400 (Senior Seminar).
5. At least 18 credit hours at the 300 and 400 level.
6. A minimum of 18 credit hours completed on the IU Bloomington campus.

Students must complete the degree requirements of the College of Arts and Sciences. Further details, including concentration and field areas, may be found at [www.indiana.edu/~histweb/ugrad](http://www.indiana.edu/~histweb/ugrad).

#### **Recommendations**

Students should consult with departmental and faculty advisors regarding their selection of courses within the primary concentration. Suggestions for programs of study are available from the History advisor and on the Department of History website: [www.indiana.edu/~histweb](http://www.indiana.edu/~histweb).

#### **Prelaw Advice**

The history major provides an excellent preparation for students intending to study law. In addition, those interested in legal careers should concentrate on developing particular kinds of skills needed in legal education and practice. They should, for example, develop their analytical skills by taking courses such as logic, their writing skills by taking seminars and other courses that offer structured writing exercises, and their speaking skills by taking courses in speech. Finally, since much of the law deals with marketplace issues, students interested in law should consider taking micro- and macroeconomics.

## **Interdepartmental Major in History and African American and African Diaspora Studies**

#### **Required Courses**

Students must meet the following course requirements for a minimum total of 40 credit hours. No course counting toward completion of the upper-level hours requirement of the history concentration can also be counted toward completion of the upper-level hours requirement of the African American and African Diaspora Studies concentration. Students must complete an Intensive Writing course in either History (J300) or African American and African Diaspora Studies (A379 or A380).

#### **History**

At least 18 credit hours of history courses, including:

1. At least 15 credit hours of 300–400 level courses (only one of A355 African American History I or A356 African American History II taken in either History or African American and African Diaspora Studies can be counted toward these 15 credit hours).
2. At least one seminar chosen from J400, J450, or K392.
3. Any two courses in non-U.S. History (i.e., Western Europe, Russia and Eastern Europe, Ancient, Middle East, Africa, Latin America, or East Asia).
4. At least 12 credit hours of these history courses must be completed in residence at the IU Bloomington campus.

#### **African American and African Diaspora Studies**

At least 18 credit hours of African American and African Diaspora Studies courses at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above. Requirements include:

1. A150 Survey of the Culture of Black Americans.
2. A355 African American History I or A356 African American History II.
3. A379 Early Black American Writing or A380 Contemporary Black American Writing.
4. 9 additional credit hours from the History, Culture and Social Issues Concentration. These 9 credit hours may include the Senior Seminar.

## **Minor in History**

#### **Required Courses**

1. Students must complete 15 credit hours of history, at least 9 of which must be taken on the Bloomington campus.
2. Of the 15 credit hours in history, 9 must be at the 300 or 400 level.

## **Departmental Honors Program**

Students who are admitted to the history department's honors program must complete an Honors seminar (HIST-K 392) in place of J300 and J400. Honors students also complete a senior year honors thesis with oral defense (K499, 6 cr.) or honors paper (K498, 3 cr.), take a minimum of 33 credits in history, and earn a minimum A– in all completed history honors courses. To graduate

with honors, students must maintain a minimum 3.300 cumulative and 3.500 major GPA.

## Overseas Study

History majors in good standing may earn credit toward the major and toward other degree requirements in the university's overseas study programs. See "Overseas Study Programs" in this *Bulletin* or inquire at the [Office of Overseas Study](#) in the Leo R. Dowling International Center, 111 South Jordan Avenue, (812) 855-9304.

## Course Descriptions

### Introductory Courses

**HIST-H 101 The World in the Twentieth Century I (3 cr.) CASE S&H, CASE GCC** Enrollment limited to freshmen and education majors. Principal world developments in the twentieth century, stressing Latin America, Africa, Asia, and Europe; global and regional problems; political revolutions; social and cultural diversity.

**HIST-H 102 The World in the Twentieth Century II (3 cr.) CASE S&H, CASE GCC** Enrollment limited to freshmen and education majors. Principal world developments in the twentieth century, stressing Latin America, Africa, Asia, and Europe; global and regional problems; political revolutions; social and cultural diversity.

**HIST-H 103 Europe: Renaissance to Napoleon (3 cr.) CASE S&H, CASE GCC** Enrollment limited to freshmen and sophomores only. Major developments in European thought during the Renaissance, Reformation, scientific revolution, and Enlightenment; traditional politics, economy, and society and their transformation by enlightened despotism, the French Revolution, and Napoleon.

**HIST-H 104 Europe: Napoleon to the Present (3 cr.) CASE S&H, CASE GCC** Enrollment limited to freshmen and sophomores only. The development of European society from the downfall of Napoleon in 1815 to the present; the impact of the industrial revolution; the rise of the middle class; liberalism, Marxism, and mass politics; nationalism and imperialism; international communism and fascism.

**HIST-H 105 American History I (3 cr.) CASE S&H** Evolution of American society: political, economic, social structure; racial and ethnic groups; sex roles; Indian, inter-American, and world diplomacy of the United States; evolution of ideology, war, territorial expansion, industrialization, urbanization, international events and their impact on American history.

**HIST-H 106 American History II (3 cr.) CASE S&H** Evolution of American society: political, economic, social structure; racial and ethnic groups; sex roles; Indian, inter-American, and world diplomacy of the United States; evolution of ideology, war, territorial expansion, industrialization, urbanization, international events and their impact on American history.

**HIST-W 125 Cities and History (3 cr.) CASE S&H, CASE GCC** Global history of urban life from ancient Athens to twenty-first century Asian hypercities. Regular lectures by the instructor on changes in the urban world are supplemented by weekly presentations by faculty

specialists on particular great cities at moments of social, cultural, and environmental crisis.

### Comparative History

**HIST-B 391 Themes in World History (3 cr.) CASE S&H** The shared experience of humankind from earliest times to the present. Topics include the Neolithic "evolution," Eurasian and African cultural exchanges, the era of European reconnaissance, the development of the world economy, "underdevelopment," and contemporary world interrelationships.

**HIST-H 239 Blood and Guts! An Introduction to the History of Western Medicine from Antiquity to the Present (3 cr.) CASE S&H, CASE GCC** The history of medicine can best be understood in the context of the society of which it is a part. Stories of health and illness are placed within deeper historical contexts to enhance understanding of past societies.

**HIST-H 333 Epidemics in History (3 cr.) CASE S&H** Epidemic infectious disease in human history, explored in a wide variety of cultures and civilizations.

**HIST-W 100 Issues in World History (3 cr.) CASE S&H, CASE GCC** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 9 credit hours.

**HIST-W 200 Issues in World History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 9 credit hours.

**HIST-W 300 Issues in World History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 9 credit hours.

**HIST-W 325 World War II: The Peoples (3 cr.) CASE S&H** This course will study the lives of the millions of peoples all over the world who participated in World War II as factory workers, propagandists, soldiers, mothers, political leaders, and survivors. Beginning with military strategy and diplomacy, we will focus on life on the home fronts of many nations.

**HIST-W 400 Issues in World History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 9 credit hours.

### United States History

**HIST-A 100 Issues in United States History (3 cr.) CASE S&H**

Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with different topics for a maximum of 9 credit hours.

**HIST-A 200 Issues in United States History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics vary from semester to semester but are usually broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-A 205 Asian American History (3 cr.) CASE S&H,**

**CASE DUS** Examines the history of Asian migration to the United States from the mid-nineteenth century to the present as part of the making of the "Pacific World." Major themes to be explored include community formation, race, citizenship, nation, and transnationalism.

**HIST-A 207 Introduction to Native American History (3 cr.) CASE S&H, CASE DUS**

This introductory course surveys the history of Native peoples of North America from the earliest times to the present. It seeks to provide students with a broad understanding of Native American history, prepare students for more advanced course work in Native studies, and enhance students' understanding of colonialism and American history.

**HIST-H 220 American Military History (3 cr.) CASE**

**S&H** From settlement of colonies to present. European background, colonial militia, Indian fighting. Principal foreign wars and their strategic objectives. Technological changes and effect of military on American society. Army is emphasized, with some attention to the Navy, Marines, and Air Force.

**HIST-A 222 Law in America (3 cr.) CASE S&H**

This course will examine the American legal system from the Revolution to the present. It will use trials, judicial opinions, statutes, stories, films, and other materials to study criminal prosecutions, private law suits, constitutional conflicts, and other critical parts of the American legal experience. The basic goals of the course are to help students understand why law has had a powerful role in the development of American society and the consequences of the American reliance on law.

**HIST-A 225 Elvis, Dylan, and Post-War America (3 cr.)**

**CASE S&H** Surveys changes in American society from World War II through the 1960s. Using lectures, readings, and films, the course looks at key debates of the times over war, sexuality, patriotism, and the counter-culture and pays attention to pivotal figures like Kinsey, Elvis, Dylan, and John Kennedy.

**HIST-A 230 American Pleasure: Leisure and Enjoyment in Modern U.S. History (3 cr.) CASE S&H**

Transformation of pleasures in industrial/post-industrial US, 1860s–present. Nature of different pleasures and ways Americans have experienced and justified them. Particular focus on attempts to regulate and abolish certain forms of enjoyment. Topics include alcohol, eating, prostitution, contraception, pornography, smoking, dancing, amusement parks, vacations, music, movies, television, Christmas and other holidays.

**HIST-H 259 American Jewish History (3 cr.) CASE**

**S&H, CASE DUS** American Jewry from its colonial beginnings to the present, emphasizing such topics as immigration; political, economic, religious, cultural, philanthropic, communal, and intellectual activities; anti-Semitism; and Zionism. Credit given for only one of H259, REL-C 230, or JSTU-J 259.

**HIST-A 261 Modern American Women's History (3 cr.) CASE S&H**

Surveys U.S. women's history from 1820 to the present. Themes include changing ideals of gender and sexuality; women's labor in industrial and postindustrial America; racial, class, ethnic, and regional diversity; and women's participation in religious, political, social reform, and women's rights movements.

**HIST-A 265 Gender and Sexuality in American History (3 cr.) CASE S&H**

Examines how changing social definitions of masculinity and femininity, and changing attitudes toward sexual behaviors influenced selected issues and events in American history such as the European "discovery" of America, the Industrial Revolution, race relations, the Spanish American War, and the Cold War.

**HIST-A 300 Issues in United States History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues through the whole of United States history. Topics will vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-A 302 Revolutionary America (3 cr.) CASE S&H**

Political, social and cultural history of the Revolution. What did it take to make a revolution? What did it take to make a nation? How has the revolution lived on in popular memory? Includes strong focus on experience of women and enslaved blacks.

**HIST-A 307 American Cultural History (3 cr.) CASE**

**S&H** Major themes in American cultural life since the Civil War. Focus on the cultural expressions of immigrants, racial minorities, religious groups, social classes, women, artists, and professional groups in response to changing conditions.

**HIST-A 309 The South before the Civil War (3 cr.)**

**CASE S&H** Social, intellectual, and cultural features of the American South, from English settlement to secession. Emphasis on the development of a distinctive southern regional culture and how it helped shape the buildup to the Civil War.

**HIST-A 313 Origins of Modern America, 1865–1917 (3 cr.) CASE S&H**

Social, economic, cultural, and political ways in which Americans accommodated and resisted changes introduced by large-scale industrialization. Populism and progressivism receive special attention.

**HIST-A 317 Modern American Social and Intellectual History (3 cr.) CASE S&H**

Development of modern American intellectual and social patterns since 1880. Social thought, literature, science, the arts, religion, morals, education.

**HIST-A 325 American Constitutional History I (3 cr.)**

**CASE S&H** Changing constitutional system from seventeenth-century colonies to contemporary nation. Structure of government: federalism, division of powers, political institutions. Relationship of government to society and economy. Civil liberties and democracy. Constitutional law and politics, 1607–1865.

**HIST-A 347 American Urban History (3 cr.) CASE**

**S&H** Evolution of cities and urban life in United States from colonial times to present. Rise of cities (New York, Chicago, Indianapolis, Los Angeles, Miami, and others). Creation of modern urban districts (ghettos, suburbia), city

planning, political and economic power structures, ethnic and race relations, law and order (crime, police, prisons).

**HIST-A 348 Civil War and Reconstruction (3 cr.) CASE S&H** The era of the Civil War and its aftermath; military, political, economic, and social aspects of the coming of the war, the war years, and the "reconstruction" era following the conflict.

**HIST-A 352 History of Latinos in the United States (3 cr.) CASE S&H, CASE DUS** Latino experience in the United States from 1848. Economic and social factors of the Latino role in a non-Latin nation. Credit given for only one of HIST A352 and LATS L210.

**HIST-A 355 (AAAD A355) African American History I (3 cr.) CASE S&H, CASE DUS** History of blacks in the United States. Slavery, abolitionism, Reconstruction, post-Reconstruction to 1900. Credit given for only one of A355 or AAAD A355.

**HIST-A 356 (AAAD A356) African American History II (3 cr.) CASE S&H, CASE DUS** History of blacks in the United States 1900 to present. Migration north, NAACP, Harlem Renaissance, postwar freedom movement. Credit given for only one of A356 or AAAD A356.

**HIST-A 363 Hoosier Nation: Indiana in American History (3 cr.) CASE S&H** Indiana history and life, from early human interactions to our own time. Emphasis on the relationship of distinctive regional traits and challenges to broader transformations in American and global culture.

**HIST-A 369 Issues in Early United States History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems in United States history to 1870. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-A 379 Issues in Modern United States History (3 cr.) CASE S&H** Study and analysis of selected historical issues in United States history from 1870 to the present. Topics will vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-A 380 The Vietnam War (3 cr.) CASE S&H** The story of America's longest war—the battles, the protests, the movies, and the controversies. The Vietnam War was an epic event, the climax of the Cold War and the high-water mark of American power. Students will learn about the experiences of combatants on both sides, the reasoning behind American strategy, and the history of Vietnam's struggle for independence. The course will also deal with the war's legacies, its place in popular culture, and the war's economic and political aftershocks. Credit given for only one of A380 and H228.

**HIST-A 382 The Sixties (3 cr.) CASE S&H** An intensive examination of the decade that tore apart post-World War II American society, beginning with the confident liberalism that believed the nation could "pay any price" and "bear any burden" in order to stop communism abroad and to promote reform at home. Focuses on the internal contradictions and external challenges that destroyed this liberal agenda: civil rights and black power, the New Left, the counterculture, second-wave feminism, the sexual revolution, the Vietnam War, and the globalization of the economy; and finishing with the more conservative order that emerged in the early 1970s to deal with the conflicting

realities of limited national power and wealth on the one hand, and rising demands for rights and opportunities on the other.

**HIST-A 383 Rock, Hip Hop, and Revolution: Popular Music in the Making of Modern America, 1940 to the Present (3 cr.) CASE S&H** Role of popular music in the social, cultural, political, economic, and technological history of the modern United States. Examines a broad range of musical cultures including rhythm and blues, country, rock and roll, modern jazz, pop, folk, soul, funk, and hip hop. Focus on role of popular music in shaping democracy and power, including class, gender, race, and generation relations.

**HIST-A 384 Antebellum America (3 cr.) CASE S&H** This course examines major issues in the United States between 1815 and 1860. Topics include the market revolution, the expansion of slavery, the "second party system," "Jacksonian democracy," evangelical Christianity, reform movements, and the coming of the Civil War. This course stresses the interconnections between economic, social, cultural, and political developments.

**HIST-A 385 America's Pacific (3 cr.) CASE S&H, CASE DUS** The Pacific has been critical to the United States' emergence as a global power over the past 120 years. This course explores the historical problems posed by American ambitions in this region, using case studies such as Hawai'i, Japan, and the Philippines.

**HIST-A 386 History of the American Home (3 cr.) CASE S&H** Considers the changing ways in which various Americans have defined "home." Topics include colonial households, nineteenth-century middle-class homes, "modern" early twentieth-century homes, and post-World War II suburbia. Devotes considerable attention to residences excluded from dominant definitions, including slave cabins, tenements, utopian communities, boardinghouses, apartments, institutions, internment camps, dormitories, and communes.

**HIST-A 393 American Sexual Histories: Salem Witch Craze to the Age of Viagra (3 cr.) CASE S&H** Examines interactions between sexualities, culture, and science in America from the late seventeenth to twentieth centuries; changes in sexual patterns of indigenes, European settlers, and early immigrants in the later nineteenth century; early twentieth century controversies; and sex researchers' findings on interwar and postwar Americans' sexual histories as published in the *Kinsey Reports* and successor studies. Credit given for only one of A393 or GNDR G393.

**HIST-A 394 Wenches, Witches, and Welfare Queens: Images of Black Women in U.S. History (3 cr.) CASE S&H** This course examines when, where, how, and why particular stereotypes about African American women were created, and by whom, and how black women grappled with these images and ideas and struggled to create lives and images that reflected their own understandings of liberty, power, equality, rights, citizenship, sexuality, and self.

**HIST-A 395 Sex, Lies, and Diaries: Untold Southern Stories (3 cr.) CASE S&H** Examines life in the American South before 1865 from the perspective of Native Americans, African Americans, and Whites. Centers

interracial sex as the genesis of American ideas about race, gender, class and sexuality. Studies how Southerners grappled with issues of race, class, gender and sex, and struggled to create lives that reflected their own understanding of freedom, power, rights, and citizenship.

**HIST-A 400 Issues in United States History (3 cr.)**

**CASE S&H** Intensive study and analysis of selected historical issues and problems of limited scope. Topics vary but ordinarily cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**Medieval and Modern Europe**

**HIST-B 100 Issues in Western European History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with different topics for a maximum of 9 credit hours.

**HIST-B 200 Issues in Western European History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics vary from semester to semester but usually are broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-B 204 Medieval Heroes (3 cr.) CASE S&H, CASE GCC**

An introduction to the history of the European Middle Ages through the study of its heroes. Teaches skills necessary for students to succeed in any field of history.

**HIST-H 206 Medieval Civilization (3 cr.) CASE S&H, CASE GCC**

European institutions, social and intellectual history from late Roman Empire to Renaissance. Greco-Roman legacy, Christian institutions, Byzantine and Islamic influences, town revival and trade, rise of universities, emergence of national states and literatures. II Sem.

**HIST-B 208 Pagans and Christians in the Middle Ages (3 cr.) CASE S&H, CASE GCC**

Between 33 and 1400 C.E., Europeans gradually converted from a variety of other religions to Christianity. Considers both the (scanty) evidence for pre-Christian religions and the narratives of conversion for each region of Europe, focusing on the post-Roman period after 400 C.E.

**HIST-H 210 Britain's Road to Modernity (3 cr.) CASE S&H, CASE GCC**

England from 1688 to present. Political and economic movements, such as liberalism and socialism, arising out of the industrialization of Britain. II Sem.

**HIST-H 213 The Black Death (3 cr.) CASE S&H, CASE GCC**

Europe in the age of bubonic plague, 1348–1715, with emphasis on changes in climate, population, food supplies, public health measures, economy, social relations, and religious and artistic responses to disaster.

**HIST-B 226 The Mafia and Other Italian Mysteries (3 cr.) CASE S&H, CASE GCC**

This course focuses on the Italian Mafia since 1870 as well as links to the U.S. Mafia. Also considers related areas of Italian “deep politics” (or Italy’s Mysteries), including right- and left-wing

terror and the strategy of tension. Lecture and discussion plus assorted feature and documentary films.

**HIST-H 231 The Family in History (3 cr.) CASE S&H**

In every era the family has served as the most basic human institution, but it has always been subject to other forces in society, such as religion, politics, the economy, and the tragic consequences of high death rates. Traces the history of the European family from 1500 to the early twentieth century. Examines changes in relationships within the family (parents/children, husbands/wives) and the changing role of the family in society. Topics include courtship, marriage, child-bearing, child labor, the origins of family limitation and birth control, the definitions of male and female roles, and the effects of other institutions (community, church, schools, state) on the family. Readings will include contemporary novels, and students will participate in group projects using original sources from the nineteenth century and earlier.

**HIST-H 251 Introduction to Jewish History: From the Bible to Spanish Expulsion (3 cr.) CASE S&H, CASE GCC**

Topics include the origins of Judaism, Jewish life in ancient Israel and the Diaspora, Judaism and the origins of Christianity, Jewish society and culture under Christian and Muslim rule in the Middle Ages. Credit given for only one of H251 or JSTU J251.

**HIST-H 252 Introduction to Jewish History: From Spanish Expulsion to the Present (3 cr.) CASE S&H, CASE GCC**

Jewish history from early modern times to the present. Topics include Jewish daily life in early modern Europe and Ottoman Turkey, Jewish mysticism, Hasidism, Jewish emancipation, modern Judaism, anti-Semitism, the Holocaust, Zionism, the State of Israel, and the history of American Jewry. Credit given for only one of H252 or JSTU J252.

**HIST-B 260 Women, Men, and Society in Modern Europe (3 cr.) CASE S&H, CASE GCC**

An overview of the development of gender roles in Europe since the French Revolution; development of the private and public spheres; political ideology and women's roles in society; the industrial revolution, Darwinism, imperialism, nationalism, communism and gender roles; feminism and the sexual revolution.

**HIST-B 270 Inside Nazi Germany (3 cr.) CASE S&H, CASE GCC**

Explores the Nazis' origins, vision, and appeal, and the path to war and destruction. Examines how far the Nazis were able to revolutionize German society, the nature of Nazi violence, the challenges they posed to the international community, and their ultimate failure and defeat.

**HIST-B 300 Issues in Western European History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems across more than one period of Western European history. Topics vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-B 301 Issues in Medieval European History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems in the history of the European Middle Ages (200–1500 C.E.). Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-B 302 Issues in Early Modern European History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems in the early Modern Period (1400–1800 C.E.). Topics will vary but usually cut across fields and regions. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-B 303 Issues in Modern European History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems in modern European history (1750–present). Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-B 315 European Anti-Semitism from the Enlightenment to the Holocaust (3 cr.) CASE S&H** Examines the origins, character, and development of anti-Semitism from the Enlightenment to the post-Holocaust period. Asks whether anti-Semitism is a single phenomenon with a clear tradition and cause, or whether it has varied markedly over time and from country to country.

**HIST-B 321 European Jews in the Age of Discovery (3 cr.) CASE S&H, CASE GCC** Jewish history from 1492 to 1789. Topics include the expulsion from Spain; the Inquisition and the marranos; the society and culture of Italian, Turkish, and Polish Jewry; Court Jews in central Europe; Hasidism in eastern Europe; the Enlightenment; Jews and the French Revolution.

**HIST-B 322 Jews in the Modern World (3 cr.) CASE S&H, CASE GCC** Topics include Emancipation, the Jewish Enlightenment, modern Judaism, Eastern European Jewry, Jewish politics, women in Jewish society, American Jewry, the Holocaust, Israel.

**HIST-B 323 History of the Holocaust (3 cr.) CASE S&H, CASE GCC** Anti-Semitism in imperial and Weimar Germany; the Nazi rise to power; the destruction of European Jewry; Jewish behavior in crisis and extremity; the attitude of the Allied nations; mass murder in comparative historical perspective; theological, moral, and political implications. Credit given for only one of B323 or JSTU-J 323.

**HIST-B 324 Zionism and the State of Israel (3 cr.) CASE S&H, CASE GCC** Origins of modern Jewish nationalism in nineteenth-century Europe, creation of a Zionist political movement, varieties of Zionist ideology, alternatives to Zionism, its international diplomatic context, growth of Jewish settlements in the land of Israel, the State of Israel from 1948 to the present.

**HIST-B 330 The Jews of Spain (3 cr.) CASE S&H, CASE GCC** Provides a survey of the culture and history of the Jews in medieval Spain under both Muslim and Christian rule, as well as of the Judeo-Spanish Diaspora after 1492 in the Ottoman Empire, Morocco, and the Atlantic world down to the twentieth century.

**HIST-B 348 Byzantine History (3 cr.) CASE S&H, CASE GCC** Introduces the history and civilization of the Byzantine Empire (A.D. 330–1453). Explores the survival of the eastern Roman empire after the "fall" of its western half; how it developed a distinctive culture and ideology; and how it changed in response to economic, political, and military challenges.

**HIST-B 351 Western Europe in the Early Middle Ages (3 cr.) CASE S&H, CASE GCC** Evolution of European civilization from the fall of Rome, development of Christianity and the Germanic invasions through Charlemagne's empire and the subsequent development of feudalism, manorialism, papacy, and Romanesque architecture.

**HIST-B 352 Western Europe in the High and Later Middle Ages (3 cr.) CASE S&H, CASE GCC P:** One of the following: H206, B351, an upper-level medieval history seminar, or permission from the instructor. Expansion of European culture and institutions: chivalry, the Crusades, rise of towns, universities, Gothic architecture, law, revival of central government. Violent changes in late medieval Europe: overpopulation, plague, Hundred Years' War, peasant revolt, crime, inquisition, and heresy.

**HIST-B 353 The Renaissance (3 cr.) CASE S&H, CASE GCC** Italian Renaissance as a political and cultural phase in the history of Western civilization. Its roots in antiquity and the Middle Ages; its characteristic expression in literature, art, learning; social transformations; manners and customs. Expansion of the Renaissance into France, Germany, and England.

**HIST-B 354 The Reformation (3 cr.) CASE S&H, CASE GCC** Economic, political, social, and religious background of the Protestant Reformation; Lutheran, Reformed, Anglican, and Anabaptist movements, with reference to their political and theological trends; Catholic Reformation.

**HIST-B 356 French Revolution and Napoleon (3 cr.) CASE S&H, CASE GCC** Crisis of Old Regime; middle-class and popular revolt; from constitutional monarchy to Jacobin commonwealth; the Terror and revolutionary government; expansion of revolution in Europe; rise and fall of Napoleonic empire.

**HIST-B 357 Modern France (3 cr.) CASE S&H, CASE GCC** Social, political, and cultural survey of France in the nineteenth and twentieth centuries.

**HIST-B 359 Europe from Napoleon to the First World War I (3 cr.) CASE S&H, CASE GCC** Vienna settlement and period of reaction in Europe; liberalism and nationalism; revolutions; industrial revolution, capitalism; socialist movement; unification of Italy and Germany; clericalism and anticlericalism; struggles for political democracy; social legislation; imperialism, nationalist rivalries, and background of World War I.

**HIST-B 360 Europe from Napoleon to the First World War II (3 cr.) CASE S&H, CASE GCC** Vienna settlement and period of reaction in Europe; liberalism and nationalism; revolutions; industrial revolution, capitalism; socialist movement; unification of Italy and Germany; clericalism and anticlericalism; struggles for political democracy; social legislation; imperialism, nationalist rivalries, and background of World War I

**HIST-B 361 Europe in the Twentieth Century I (3 cr.) CASE S&H** Economic, social, political, and military-diplomatic developments, 1900 to present. I: 1900–1930: origins, impact, and consequences of World War I; peacemaking; postwar problems; international communism and fascism; the Great Depression. II: 1930–present: Depression politics; crisis of democracy; German

national socialism; World War II; Cold War; postwar reconstruction and recovery.

**HIST-B 362 Europe in the Twentieth Century II (3 cr.)**

**CASE S&H** Economic, social, political, and military-diplomatic developments, 1900 to present. I: 1900–1930: origins, impact, and consequences of World War I; peacemaking; postwar problems; international communism and fascism; the Great Depression. II: 1930–present: Depression politics; crisis of democracy; German national socialism; World War II; Cold War; postwar reconstruction and recovery.

**HIST-B 366 Paris and Berlin in the 1920s: A Cultural History (3 cr.) CASE S&H, CASE GCC** A cultural history of Paris and Berlin in the 1920s, focusing on the French avant garde; Dada and surrealism; expressionist painting and cinema; Bauhaus architecture; Brechtian theater; Reichian psychoanalysis; and the American expatriate literature of Stein, Hemingway, and Miller.

**HIST-B 368 Modern Italy (3 cr.) CASE S&H, CASE GCC** Risorgimento and unification; liberal Italy and the mutilated victory (WWI); Italian opera; Fascism; alliance with Nazi Germany and defeat (WWII); Christian Democrats v. Communists; major cultural movements; the economic miracle; Mafia, left- and right-wing violence and terrorism; the kickbacks scandal and the Second Republic.

**HIST-B 374 The Cultures of Modern Europe (3 cr.)**

**CASE S&H, CASE GCC** Explores the modern history of Western Europe through culture. Examines a series of symbols and myths (literary, musical, journalistic, cinematic, and theatrical) over the past two centuries and through them explores historical, political, and intellectual issues (touching on issues of empire, gender, race, nationalities, etc.).

**HIST-B 377 History of Germany since 1648 I (3 cr.)**

**CASE S&H, CASE GCC** Political, economic, and cultural state of Germany in 1648; growth of absolutist dynasties, especially Habsburg and Hohenzollern; economic and cultural development under absolutism; impact of French Revolution; struggles between reaction and liberalism; unification; industrialization; imperialism, international friction; internal political conflicts; World War I; Weimar Republic; Hitler regime; problems since 1945.

**HIST-B 378 History of Germany since 1648 II (3 cr.)**

**CASE S&H, CASE GCC** Political, economic, and cultural state of Germany in 1648; growth of absolutist dynasties, especially Habsburg and Hohenzollern; economic and cultural development under absolutism; impact of French Revolution; struggles between reaction and liberalism; unification; industrialization; imperialism, international friction; internal political conflicts; World War I; Weimar Republic; Hitler regime; problems since 1945.

**HIST-B 386 British Sexual Histories: From Regency**

**Scandals to Sexual Revolution (3 cr.) CASE S&H, CASE GCC** Examines transformations of sexuality and erotic lives within modern British history, focusing upon popular culture, demographic trends, sensational crimes and scandals (the Queen Caroline Affair, the Profumo Affair), and controversies over the regulation of sexual behaviors and identities. Concludes with analysis of the slate of 1960s "liberal" legislation on divorce, censorship,

abortion, and homosexuality. Credit given for only one of B386 or GNDR G386.

**HIST-B 400 Issues in Western European History (3 cr.)**

**CASE S&H** Intensive study and analysis of selected historical issues and problems of limited scope. Topics vary but ordinarily cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**Ancient and Near Eastern History**

**HIST-C 200 Issues in Ancient History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics vary from semester to semester but usually are broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-C 205 Introduction to Islamic Civilization (3 cr.)**

**CASE S&H, CASE GCC** Introduces Islamic civilization from the rise of Islam to 1800 C.E. Topics include pre-Islamic Arabia; the Prophet Muhammed; the Koran; the basic teachings of Islam; the Islamic conquests and the caliphate; and the major aspects of mature Islamic civilization such as law, theology, science and philosophy, mysticism, literature, and art. Credit given for only one of C205 or NELC-N 265.

**HIST-C 210 The Making of the Modern Middle East**

**(3 cr.) CASE S&H, CASE GCC** Examines the political, economic, social, and cultural forces that have most profoundly affected the Middle East in the nineteenth and twentieth centuries. Topics include the role of foreign rule in the region; the emergence of nationalism and modern nation-states; regional conflicts; Islamism; the evolution of ethnic, class, and gender identities.

**HIST-H 205 Ancient Civilization (3 cr.) CASE S&H, CASE GCC**

From birth of civilization in Mesopotamia and Egypt until Constantine's conversion to Christianity (337 A.D.). Role of the city in ancient world; nature of imperialism; and impact of Alexander the Great, Julius Caesar, and other charismatic leaders. Archaeology as a source for political and social history.

**HIST-C 300 Issues in Classical and Byzantine History**

**(3 cr.) CASE S&H** Study and analysis of the history of Greece or Rome, the history of Late Antiquity in the Greco-Roman world, or of the Byzantine Empire. Topics will vary in focus, region, and period. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-C 305 Issues in Near Eastern History (3 cr.)**

**CASE S&H** Study and analysis of the history of the Near East, apart from the Greco-Roman World or of the Islamic world. Topics vary but may cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-C 376 Greek History: Bronze Age to the Persian Wars (3 cr.) CASE S&H, CASE GCC**

An introductory survey of early Greek history, beginning with the rise and fall of the Minoans and Mycenaeans of the Bronze Age, then moving on to the rebirth of Greek civilization in the following centuries, ending with Greece's clash with the Persian Empire in the early fifth century B.C. Credit given for only one of C376 or C386.

**HIST-C 377 Greek History: The Persian Wars to the Legacy of Alexander (3 cr.) CASE S&H, CASE**

**GCC** A survey of ancient Greek history, ranging from the aftermath of the early fifth century B.C. clash with the Persians and subsequent Athenian Empire to the Hellenistic era initiated by the conquests of Alexander the Great. Credit given for only one of C377 or C387.

**HIST-C 388 Roman History (3 cr.) CASE S&H, CASE GCC** History of Roman people, from legendary origins to death of Justinian (A.D. 565), illustrating development from city-state to world empire. Evolutionary stages exemplify transition from early kingship to republican forms, finally replaced by monarchy of distinctively Roman type.

**HIST-C 390 The Decline and Fall of the Roman Empire (3 cr.) CASE S&H, CASE GCC** History of the Roman Empire from the Golden Age of the second century A.D. until the collapse of Roman power in the West (476 A.D.) and the rise of Islam; Christianity and the fate of classical culture in an age of political, social, and religious transformation; the impact of recent archaeological discoveries on "the fall of Rome" as a historical problem.

**HIST-C 400 Issues in Ancient History (3 cr.) CASE S&H** Intensive study and analysis of selected historical issues and problems of limited scope. Topics vary but ordinarily cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

### Russian and East European History

**HIST-D 100 Issues in Russian and East European History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with different topics for a maximum of 9 credit hours.

**HIST-D 102 Icon and Axe: Russia from Earliest Times to 1861 (3 cr.) CASE S&H, CASE GCC** Introduction to main events and issues in Russian history from earliest times to the Crimean War in the mid-nineteenth century. Covers foundation of a great Slavic state into the Eurasian plain, the Kievan era of early state building, colorful rulers such as Ivan the Terrible, Peter the Great, Catherine the Great. Credit given for only one of D102, D101, or H261.

**HIST-D 103 Icon and Axe: Russia from 1861 to Present (3 cr.) CASE S&H, CASE GCC** Introduction to main events and issues in Russian history from the middle of the nineteenth century to present. Covers the great liberating reforms of Tsar Alexander II, the last tsar, Nicholas II, the revolutionary leader Vladimir Lenin, the brutal tyrant Joseph Stalin, and the last Communist leader Mikhail Gorbachev. Credit given for only one of D103, D101, or H261.

**HIST-D 200 Issues in Russian/East European History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics vary from semester to semester but usually are broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-D 201 Democratic Revolutions since 1980 (3 cr.) CASE S&H, CASE GCC** In recent decades democratically-oriented revolutions have occurred in Eastern Europe, the Soviet Union, Latin America, Africa,

East and Southeast Asia, and the Middle East. What accounts for this phenomenon? What common ideas and practices link them? Why were some more successful than others?

### HIST-D 300 Issues in Russian/East European History (3 cr.) CASE S&H

Study and analysis of selected historical issues and problems of limited scope. Topics vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

### HIST-D 302 The Gorbachev Revolution and the Collapse of the Soviet Empire (3 cr.) CASE S&H, CASE GCC

The revolution in Soviet politics, culture, and daily life wrought by Mikhail Gorbachev (1986–1991) and the end of the Soviet Empire. Examination of selected issues: political structures, family, education, youth, status of women and minorities. Historical roots traced. Credit given for only one of D302 or REEI R302.

### HIST-D 303 Heroes and Villains in Russian History (3 cr.) CASE S&H, CASE GCC

Biographies of a number of Russia's most colorful personalities and the times in which they lived; among them, Ivan the Terrible, Pugachev, Peter the Great, Catherine the Great, Bakunin, Tolstoy, Lenin, Trotsky, Stalin.

### HIST-D 304 Jews of Eastern Europe (3 cr.) CASE S&H, CASE GCC

Study of the history of Jewish life in Eastern Europe. Topics to be discussed will include Hasidism, Kabbalah, shtetl life, Haskalah (the Jewish Enlightenment), Socialism, Yiddish literary traditions, and the Holocaust.

### HIST-D 306 Muscovy and Imperial Russia, 1500–1801 (3 cr.) CASE S&H, CASE GCC

Russian history from 1500 to 1801, including cultural, religious, and secular trends; political theory and administration; social stratification and social psychology; industrialization; rural and agricultural life; enlightenment and the development of national self-consciousness; and revisions in traditional historiography. Credit given for only one of D306 or D406.

### HIST-D 308 Empire of the Tsars (3 cr.) CASE S&H, CASE GCC

Russian empire under Peter the Great, Catherine the Great, Napoleon's invasion, expansion across Asia into the Americas, nationalism, war, and revolution. Other topics include daily life of the common people, gender issues, religion, and the emergence of a modern industrial society. Credit given for only one of D308 or D409.

### HIST-D 309 Russia in World War II: Battles and People (3 cr.) CASE S&H, CASE GCC

Issues covered include Soviet politics and society on the eve of WWII, prewar diplomacy, the major battles of WWII on the Eastern Front, the Soviet "home front," popular culture, and the impact of WWII on the Soviet Union and on the Soviet Union's international position.

### HIST-D 310 Russian Revolutions and the Soviet Regime (3 cr.) CASE S&H, CASE GCC

Causes and development of Russian revolutions and civil war; Lenin, Trotsky, and Stalin; purges, terror, economic development, society, and arts under Stalin; struggle against Hitler; scope and limits of de-Stalinization under Khrushchev; minorities, dissent, and life in the Soviet Union. Credit given for only one of D410 or D310.

**HIST-D 320 Modern Ukraine (3 cr.) CASE S&H, CASE GCC** A history of one of the most neglected nations in European history, once the breadbasket of the Soviet Union and now one of the largest nations in Europe. Examines issues of national identity and national consciousness and explores the place of Ukraine in Eurasian history.

**HIST-D 321 Hungarian History and Civilization to 1711 (3 cr.) CASE S&H, CASE GCC** Origin of the Hungarian people; settlement of the Danubian basin; adoption of Christianity; formation of Hungarian state; impact of western European civilization and economic system during Middle Ages and Renaissance; effect of Ottoman domination; Ottoman-Habsburg conflict; liberation of Hungary from Turkish rule. Credit given for only one of D421 or D321.

**HIST-D 322 Hungarian History and Civilization 1711–1918 (3 cr.) CASE S&H, CASE GCC** Modernization and rebuilding of Hungary during Habsburg enlightened absolutism; age of reform and the revolution of 1848–1849; compromise of 1867; social and economic transformation of Hungary within the framework of the Austro-Hungarian monarchy; problems of a multinational state; World War I and collapse of historical Hungary. Credit given for only one of D422 or D322.

**HIST-D 327 Nation-Making and Imperial Decline in East Central Europe, 1780–1918 (3 cr.) CASE S&H, CASE GCC** Enlightened despotism; Metternichian system; struggle for German unification; Habsburg culture and civilization. German-Austrian, Hungarian, Czechoslovak, South Slavic, Rumanian, and Polish nationalism. Industrialization; Christian socialism and Austro-Marxism; murder at Sarajevo; destruction of the empire; its legacy to Europe. Credit given for only one of D427 or D327.

**HIST-D 329 Eastern Europe in the First Half of the Twentieth Century (3 cr.) CASE S&H, CASE GCC** Begins around 1900 with twilight of great empires (Russian, Prussian, Ottoman, and Austro-Hungarian), exploring origins of modern eastern Europe, the "rebirth" of Eastern Europe after WWI; wild 1920s; polarizing ideological spectrum of the 1930s; and dynamics of communism and fascism. Given the spectre of WWII, this course will pose the question of whether and how we can read the interwar years in a way other than as a prelude to an inevitable catastrophe to come. Credit given for only one of D428, D328, or D329.

**HIST-D 330 Eastern Europe in the Second Half of the Twentieth Century (3 cr.) CASE S&H, CASE GCC** Examines origins of communism in Eastern Europe, brutal takeover and Stalinization, attempts to reform communism, the fall of communism and ensuing battles for privatization, democratization, and the Wars in Yugoslavia. Looks at political institutions that shaped communist and post-communist Eastern Europe and important social and cultural developments. Credit given for only one of D428, D328, or D330.

#### African History

**HIST-E 100 Issues in African History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut

across fields, regions, and periods. May be repeated with different topics for a maximum of 9 credit hours.

**HIST-E 200 Issues in African History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics vary from semester to semester but usually are broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-H 227 African Civilizations (3 cr.) CASE S&H, CASE GCC** Introduction to African culture; African environment; early humans in Africa; precolonial history; traditional political, economic, and social systems; language, religion, art, music, literature. Credit given for only one of H227 or AFRI-L 231.

**HIST-E 300 Issues in African History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of limited scope. Topics vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-E 331 African History from Ancient Times to Empires and City States (3 cr.) CASE S&H, CASE GCC** Origins and groupings of peoples of Africa; political, social, and economic evolution to 1750; Africa's contacts with ancient world, trans-Saharan and Indian Ocean trades, growth of states and empires, spread of Islam. Credit given for only one of E431 or E331.

**HIST-E 332 African History from Colonial Rule to Independence (3 cr.) CASE S&H, CASE GCC** 1750 to present. Slave trade, European imperialism; impact of Islam and Christianity, new state formations, reassertion of African culture and identity. Credit given for only one of E432 or E332.

**HIST-E 333 Conflict in Southern Africa (3 cr.) CASE S&H, CASE GCC** Early populations and environment; spread of European settlement, interaction with African societies, and early race relations; Zulu power and white power; discovery of minerals and industrialization; urbanization and segregation; African and Afrikaner nationalisms; South Africa and its neighbors; Mandela and the new South Africa. Credit given for only one of E433 or E333.

**HIST-E 334 History of Western Africa (3 cr.) CASE S&H, CASE GCC** History of Senegambia, Mali, and Upper Guinea Coast. The Mali Empire, African "landlord" and European "stranger" relationships, slave and nonslave trade, spread of Islam, European conquest and colonial rule, and the integration of western Africa into the world economy. Credit given for only one of E434 or E334.

**HIST-E 336 History of East Africa (3 cr.) CASE S&H, CASE GCC** Developments over the past two millennia in Ethiopia, Somalia, Kenya, Uganda, Tanzania, Malawi, and northern Mozambique. Topics include the environment and peoples; the emergence of hierarchical societies; nineteenth-century economic and political changes; European imperialism; transformations in the colonial era; African independence. Credit given for only one of E436 or E336.

**HIST-E 338 History of Muslim West Africa (3 cr.) CASE S&H, CASE GCC** Develops the origins of Islam in West Africa and the ways West Africans incorporated, transformed, and amplified Muslim beliefs and practices

throughout history. Credit given for only one of E438 or E338.

#### **HIST-E 340 African History and Popular Culture (3 cr.)**

**CASE S&H, CASE GCC** African popular culture (music, sports, fashion) is the lens used to explore how Africans responded to and shaped life under colonial rule and after independence. We consider questions like: What is the relationship between popular culture and politics? How does popular culture change how we think about colonialism and independence?

#### **Latin American History**

##### **HIST-F 100 Issues in Latin American History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics will vary from semester to semester but will usually be broad subjects that cut across fields, regions, and periods. May be repeated with different topics for a maximum of 9 credit hours.

##### **HIST-F 200 Issues in Latin American History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics vary from semester to semester but usually are broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

##### **HIST-H 211 Latin American Culture and Civilization I (3 cr.)**

**CASE S&H, CASE GCC** 1492–1850. African, Indian, Spanish, Portuguese heritage. Discovery and conquest. Clash of cultures. Spanish empire. Society, culture, economics, politics. Bourbon reform, independence, new republics. I Sem., II Sem., SS;

##### **HIST-H 212 Latin American Culture and Civilization II (3 cr.)**

**CASE S&H, CASE GCC** 1850–present. Cultural and national identities. Diplomacy, dictators, social progress. National cultures. Mexican revolution: Latin America in a world community. Revolution and counterrevolution. I Sem., II Sem., SS.

##### **HIST-F 300 Issues in Latin American History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems of limited scope. Topics vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

##### **HIST-F 336 Modern Central American History (3 cr.)**

**CASE S&H, CASE GCC** Studies social, economic, cultural, and political development from 1821–1990. Major topics include coffee and liberalism, the United States and Nicaragua, the era of reform, revolution, and counter-revolution. Credit given for only one of F436 or F336.

##### **HIST-F 340 Modern Argentina (3 cr.)**

**CASE S&H, CASE GCC** Modern Argentina from Independence to the Contemporary era. Focuses on the historical development of the modern Argentine nation-state and the roots of its unique social, cultural, and political formations. The material used will be of an interdisciplinary nature ranging from novels and films to anthropological reports and political speeches.

##### **HIST-F 345 History of Cuba and Puerto Rico (3 cr.)**

**CASE S&H, CASE GCC** Explores key historical processes from first inhabitation through the present, including the social and economic repercussions of slavery; the impact of U.S. intervention on the islands; the

effects of industrialization on Puerto Rican economy and policies; the Cuban Revolution and the transformation of Cuban society.

#### **HIST-F 346 Modern Mexico (3 cr.)**

**CASE GCC** Places contemporary Mexico in historical perspective, focusing on the nineteenth and twentieth centuries. Topics include nineteenth-century social and political movements; the causes and consequences of the 1910 revolution; the formation of Mexico's political system; problems of economic growth; and the changing patterns of gender, class, and ethnicity in Mexican society. Credit given for only one of F346, F446, or LTAM L400.

#### **HIST-F 348 Introduction to Contemporary Latin American Reality (3 cr.)**

**CASE S&H, CASE GCC** Surveys the social, economic, political, and cultural factors that affect ordinary Latin Americans. Introduces themes ranging from the legacy of military regimes in the Southern Cone to social and political movements in Mexico, from the environmental disaster of the Brazilian rain forest to the impact of sports and television soap operas.

#### **Asian History**

##### **HIST-G 101 East Asia in World History (3 cr.)**

**CASE S&H, CASE GCC** This course presents, in broad scope,

the relevance of developments in East Asia to the history

of the physical world, human culture, and advanced

civilizations, from the “big bang” to the present. Credit

given for only one of EALC E101 or HIST G101.

##### **HIST-G 200 Issues in Asian History (3 cr.)**

**CASE S&H** Study and analysis of selected historical issues and problems of general import. Topics vary from semester to semester but usually are broad subjects that cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

##### **HIST-H 207 (EALC E252) Modern East Asian Civilization (3 cr.)**

**CASE S&H, CASE GCC** Contrasting patterns of indigenous change and response to Western imperialism in East Asia during the nineteenth and twentieth centuries. China and Japan receive primary consideration; Korea and Vietnam, secondary. Emphasis on the rise of nationalism and other movements directed toward revolutionary change.

##### **HIST-H 208 American–East Asian Relations (3 cr.)**

**CASE S&H, CASE GCC** Describes and analyzes the mutual interaction of the American countries and the major countries of East Asia—China, Japan, Korea, and Vietnam—during the nineteenth and twentieth centuries. Emphasis on cultural interrelations and changing images.

##### **HIST-H 237 Traditional East Asian Civilization (3 cr.)**

**CASE S&H, CASE GCC** Chronological and comparative survey of the traditional civilizations of East Asia through lectures and readings of source materials (in translation) in literature, history, philosophy, and the arts, with emphasis on the interrelationship among the cultures of East Asia from ancient times to the early modern era. Credit given for only one of H237 or EALC E251.

##### **HIST-H 238 Introduction to South Asian History and Civilization (3 cr.)**

**CASE S&H, CASE GCC** Survey course which examines some of the important problems and debates current in South Asian history. Topics covered range from the Neolithic period to the present day, and include the nature of ancient South Asian

society, medieval Islamic empires, and British imperialism in the region.

**HIST-G 300 Issues in Asian History (3 cr.) CASE S&H**

Study and analysis of selected historical issues and problems of limited scope. Topics vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-G 350 Modern South Asia: Eighteenth to Twentieth Century (3 cr.) CASE S&H, CASE GCC**

In-depth examination of the "making of modern South Asia" through this region's experience as an imperial territory of Great Britain. The focus of the course is upon social and cultural change, colonial governance, and forms of Indian nationalism.

**HIST-G 357 Premodern Japan (3 cr.) CASE S&H, CASE GCC**

R: previous history course in any field, or previous East Asian Studies course related to Japan. Society and culture on the Japanese archipelago, from their origins to the high middle ages. Prehistoric Jomon and protohistoric Yayoi. Formation of the Japanese state under the influence of Chinese and Korean models. Heian courtly culture. Ascendancy of military elites and developments in popular culture during Kamakura and Muromachi periods. Credit given for only one of G467 or G357.

**HIST-G 358 Early Modern Japan (3 cr.) CASE S&H, CASE GCC**

R: Previous history course in any field, or previous East Asian Studies course related to Japan. Samurai culture, expansion of Buddhism, and sectarian violence. High feudalism, unification, and the Tokugawa settlement after 1600. Encounter with European civilization, closed country. Urbanization, social and cultural change, rise of agrarian prosperity in the Edo period to about 1800. Credit given for only one of G468 or G358.

**HIST-G 369 Modern Japan (3 cr.) CASE S&H, CASE GCC**

R: Previous history course in any field, or previous East Asian studies course related to Japan. Western impact and social and intellectual change in late Tokugawa Japan from about 1720. The Meiji Restoration. State capitalism and the Japanese development process. Empire, war, defeat, U.S. occupation, and renewal in the twentieth century, social and economic structures, religious systems, gender, science and art, and Korea's interaction with its East Asian neighbors. Credit given for only one of G469 or G369.

**HIST-G 372 Modern Korea (3 cr.) CASE S&H, CASE GCC**

R: Previous history course in any field, or previous East Asian Studies course related to Korea. Early Modern (1800—1910), Colonial (1910—1945), and Era of Division (1945—present) periods of Korean history, focusing on transformation of politics, economy, education, religion, and thought, as the nation falls under Japanese rule and subsequently splits into two states as a result of internal ideological division and the Cold War. Credit given for only one of G472 or G372.

**HIST-G 380 Early China (3 cr.) CASE S&H, CASE GCC**

China from its neolithic background through the Qin and Western Han dynasties. Examines the Shang tribal polity, royal and aristocratic phases of the Zhou state, and the creation of the imperial system in the Qin-Han period. Changing patterns of ideology, political legitimacy, and

social organization through archaeological and textual sources.

**HIST-G 382 China: The Age of Glory (3 cr.) CASE S&H, CASE GCC**

R: Previous history course in any field, or previous East Asian Studies course related to China. The Chinese empire from the Han through the Tang dynasties (second century B.C. through tenth century A.D.). Relations among demographic patterns, political forms, social classes, economic developments, religious movements, and cultural diversification, investigated through secondary and translated primary sources. Credit given for only one of G382 or G482.

**HIST-G 383 China: The Later Empires (3 cr.) CASE S&H, CASE GCC**

R: Previous history course in any field, or previous East Asian Studies course related to China. The Chinese empire from the Song through the middle Qing dynasties (tenth to eighteenth centuries A.D.). Relations among demographic patterns, political forms, social classes, economic developments, philosophical movements, and cultural diversification, investigated through secondary and translated primary sources. Credit given for only one of G483 or G383.

**HIST-G 385 Modern China (3 cr.) CASE S&H, CASE GCC**

R: Previous history course in any field, or previous East Asian Studies course related to China. A survey of the final century of dynastic rule and the rise to power of the Nationalist and Communist parties, highlighting social and cultural developments, the impact of Western imperialism, and the evolution of revolutionary ideologies. Credit given for only one of G485 or G385.

**HIST-G 387 Contemporary China (3 cr.) CASE S&H, CASE GCC**

R: Previous history course in any field, or previous East Asian Studies course related to China. A survey of recent Chinese history focusing on social, cultural, and political life in the People's Republic of China and post-1949 Taiwan. Events covered include the Long March, the Cultural Revolution, and the Tiananmen Square protests of 1989. Credit given for only one of G487 or G387.

**HIST-G 400 Issues in Asian History (3 cr.) CASE S&H**

Intensive study and analysis of selected historical issues and problems of limited scope. Topics vary but usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**Proseminars and Special Topics**

**HIST-J 300 Seminar In History (3 cr.) CASE S&H**

The refinement of students' skills as historians; will focus on the skills of writing, interpretation, historical reasoning, discussion, and research. May be repeated with a different topic and the authorization of the history undergraduate advisor for a total of 6 credit hours.

**HIST-J 301 Seminar in History for Teachers (3 cr.)**

The refinement of students' skills as historians and teachers of history; will focus on the skills of writing, interpretation, historical reasoning, discussion, research, and teaching.

**HIST-J 400 Seminar in History (3 cr.) CASE S&H**

P: HIST-J300 or J301. Capstone course, generally taken in senior year. Students will discuss and analyze primary and/or secondary sources and undertake a substantial project demonstrating mastery of the historian's skills. Topics will vary. Normally limited to majors. May be

repeated once with a different topic for a maximum of 6 credit hours.

**HIST-T 100 Screening History (1 cr.)** Examines the way major historical events have been treated in film. Rather than focus on the history of cinema or on cinematic technique, the course concentrates on the depiction of the past and on what films tell us about the way societies remember.

**HIST-T 300 Issues in History (3 cr.) CASE S&H** Study and analysis of selected historical issues and problems of limited scope. Topics will vary but will usually cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

**HIST-T 400 Issues in History (3 cr.) CASE S&H** Intensive study and analysis of selected historical issues and problems of limited scope. Topics will vary but will ordinarily cut across fields, regions, and periods. May be repeated with a different topic for a maximum of 6 credit hours.

#### **HIST-T 495 Undergraduate Readings in History (1-12 cr.)**

**HIST-H 496 Internship in History (1-6 cr.)** P: at least junior standing and 12 credit hours of related course work; prior arrangement with individual faculty member. S/F grading. Faculty-supervised experience in museum work, historic preservation, historical societies, oral history, or other history-related fieldwork in private and public institutions. May be repeated for a maximum of 6 credit hours; only 3 credit hours may count toward the major.

#### **Honors Courses**

**HIST-K 392 Honors Seminar (3 cr.)** For honors students only. Introduction to various approaches in historical scholarship, illustrated with the work of professors in the department. May be taken two times for a maximum of 6 credit hours.

**HIST-K 393 Reading for Honors (1-12 cr.)** P: Approval of departmental honors committee. May be repeated for a maximum of 12 credit hours.

**HIST-K 498 Senior Honors Paper (1-3 cr.)** Senior-level course for honors students only. Training in research and writing, culminating in an honors paper to be written under direction of a faculty member and reviewed by the director of the History Honors Program. May be repeated for a maximum of 3 credit hours.

**HIST-K 499 Senior Honors Thesis (1-6 cr.)** Senior-level course for honors students only. Training in research and writing, culminating in an honors thesis to be written under direction of a faculty member. An oral examination over the thesis is conducted by three faculty members. May be repeated for a maximum of 6 credit hours.

## **History and Philosophy of Science and Medicine**

#### **Introduction**

The Department of History and Philosophy of Science and Medicine (HPSC) is concerned with the structure and development of the natural, social, and medical

sciences and the interplay between science and society. The department provides a diverse set of courses for undergraduates interested in the foundations of scientific knowledge, scientific methods and practices, the rise of science and medicine from their origins to the present, and the social and intellectual impacts of science and medicine.

#### **Contact Information**

History and Philosophy of Science and Medicine  
Indiana University  
130 Goodbody Hall  
Bloomington, IN 47405-7005

(812) 855-3622  
[hpscdept@indiana.edu](mailto:hpscdept@indiana.edu)

<http://www.indiana.edu/~hpscdept/>

## **Faculty**

#### **Chairperson**

- Professor Sander Gliboff

#### **Distinguished Professor and Ruth N. Halls Professor**

- William Newman

#### **Arnold and Maxine Tanis Chair**

- Professor Elisabeth Lloyd

#### **Provost Professor**

- Colin Allen

#### **Professor**

- Domenico Bertoloni Meli

#### **Associate Professors**

- James Capshew
- Jordi Cat
- Sander Gliboff
- Amit Hagar
- Jutta Schickore

#### **Academic Advising**

- Associate Professor Amit Hagar, Goodbody Hall  
130, (812) 855-3622

## **Certificate in the Cultures of Science and Medicine**

#### **Purpose**

This program aims to give both undergraduates majoring in the sciences and undergraduates majoring in the humanities a unique opportunity to bridge the ever-widening gap between the notorious "two cultures." The program is organized and administered within the Department of History and Philosophy of Science and Medicine, but it also involves a wide spectrum of other units across the university, such as the Departments of Anthropology, Biology, Chemistry, Computer Science, English, History, Journalism, Mathematics, Philosophy, Physics, Psychological and Brain Sciences, Religious Studies, and Sociology; and the Schools of Business, Education, Informatics and Computing, and Public and Environmental Affairs. The program involves several different tracks that integrate the sciences and the humanities in a variety of ways: (1) Life Sciences; (2) Physics, Computation, and Cognition; (3) Science, Society, and Culture; (4) the Nature of Science.

### Required Courses

Students must complete 25 credit hours—24 credit hours of course work divided into eight 3 credit courses, with 1 additional credit hour given for a capstone research project, typically in conjunction with one of the talks in the departmental colloquium. Four courses, totaling 12 credit hours, will be in the Department of History and Philosophy of Science and Medicine, and the remaining four, also totaling 12 credit hours, will be spread across the other curricular units involved in the program in accordance with the chosen track. Each student's plan for a particular track must be approved by the director of the program.

A 100-level core course in the history and philosophy of science and medicine is required for all students in the program. Students may select either the introductory survey course offered every semester under the course number HPSC-X 102 or a Critical Approaches (CAPP) course relevant for their chosen track taught by HPSC faculty. Prior to registration, students should check with the Director of Undergraduate Studies to make sure a specific CAPP course will count toward their chosen track.

Three other HPSC courses relevant for the chosen track, one of which must be at or above the 300 level, are also required. These courses will be selected in consultation with the Director of Undergraduate Studies. Four courses from other relevant units, adapted to the particular track elected by the student, will complete the program. In non-HPSC courses, at least one must be at the 300 level or above. Four courses (including both HPSC and non-HPSC courses) will be at the 300–400 level.

Recommended HPSC Courses (offered regularly)

#### Track 1

- Introduction to Medical History (X205)
- Memoirs of Madness (HON-H 226)
- Environmental History (X223)
- The Origins of Darwinism (X226)
- History of Physiology from 18th Century–20th Century (X226)
- History and Philosophy of Medicine (X305)
- History of Biology (X308)
- Human Nature (X320)
- Perception and Observation (X323)
- Anatomy and Physiology on William Harvey and His Century (X326)
- Neuropsychological Pathography (X424)

#### Track 2

- Philosophical Foundations of Cognitive Science (COGS-Q 240)
- The Atomic Bomb: Modern Physics, Manhattan Project, and History of Nuclear Weapons (X206)
- Technology and Culture (X210)
- What Computers Cannot Do (X227)
- History and Philosophy of Physics (X229)
- Understanding Pictures: Aesthetics and Science (X306)
- Topics in the Philosophy of Physics (X326)
- The Computer—A Biography (X327)

#### Track 3

- The Atomic Bomb: Modern Physics, Manhattan Project, and History of Nuclear Weapons (X206)
- Occult in Western Civilization (X207)
- Environmental History (X223)
- The Origins of Darwinism (X226)
- Understanding Pictures: Aesthetics and Science (X306)
- Cultural History of Astrology (X320)
- Anatomy and Physiology: William Harvey and His Century (X326)
- Science and Gender (X370)
- Victorian Science, Philosophy, and Culture (X420)

#### Track 4

- Scientists at Work: Frankenstein to Einstein (X110)
- Perception and Observation (X323)
- Instruments and Experiments (X326)
- The Art of Science: History and Philosophy of the Use of Images in Science (X326)
- History of Science before 1750 (X406)
- History of Science since 1750 (X407)
- Scientific Understanding (X451)
- Modern Philosophy of Science (X452)

Additional courses may be selected in consultation with the Director of Undergraduate Studies.

### Minor in History and Philosophy of Science

#### Required Courses

18 College of Arts and Sciences credit hours in history and philosophy of science and medicine, chosen in consultation with the director of undergraduate studies, including:

1. At least three courses (9 credit hours) at the 300 or 400 level.
2. Not more than three courses from the following: X100, X102, X110, X200, X207.

### Note Regarding Undergraduate Courses

Because the department does not offer an undergraduate major, almost no course requires a previous history and philosophy of science and medicine course for enrollment. Science and other requirements are specified only when they are essential for comprehending the course material.

#### Guide to Course Numbers

Courses at the 100 level are designed for freshmen and sophomores. Such courses are typically limited to enrollments of 35 students per section. The 200-level courses do not require extensive experience in an appropriate major and are designed for undergraduates at all levels. The 300-level courses deal with more specialized topics and may require some understanding of a particular science. The 400-level courses are specialized courses designed with college honors students particularly in mind. The 300- and 400-level courses sometimes meet with corresponding graduate courses, but will normally carry separate undergraduate requirements.

### Course Descriptions

### **General Introductory Courses**

Recommended particularly for freshmen and sophomores who wish to explore how thought, society, and nature interact to make and shape science.

#### **HPSC-X 100 Human Perspectives on Science (3 cr.)**

**CASE A&H** Selected issues in the history and philosophy of science. Individual sections will vary in content and major themes, but all will employ case studies to examine the philosophical, cultural, institutional, and social impact of science on our lives. Departmental flyers, available at registration time, will describe each section in detail. May be repeated once for credit with different topic.

#### **HPSC-X 102 Revolutions in Science: Plato to NATO (3 cr.) CASE S&H**

An introduction to the formative steps in the scientific tradition. The course will survey in a chronological sequence aspects of the Aristotelian worldview, the Copernican revolution, the mechanical philosophy, the chemical and Darwinian revolutions, and the rise of twentieth-century science.

**HPSC-X 110 Scientists at Work: from Frankenstein to Einstein (3 cr.) CASE S&H** Introduction to the study of science as a cultural phenomenon. Exploration of the individual and collective behavior of scientists in historical and contemporary contexts using materials from history, biography, sociology, journalism, fiction, drama, poetry, and film.

#### **HPSC-X 200 Scientific Reasoning (3 cr.) CASE N&M**

Patterns of scientific reasoning presented in a simple form useful to both nonscientists and prospective scientists for understanding and evaluating scientific information of all sorts. Illustrations in the natural, biological, behavioral, and biomedical sciences are drawn from a wide variety of historical and contemporary sources, including popular magazines and newspapers.

#### **HPSC-X 207 The Occult in Western Civilization (3 cr.)**

**CASE A&H** Critical and historical evaluation of a wide range of occult topics: superstitions, magic, witchcraft, astrology, the Cabala, psychic phenomena (mesmerism, spiritualism, ESP), and UFOs.

#### **HPSC-X 253 Inductive Reasoning (3 cr.) CASE N&M**

Hume argued that there is no rational inference from our past experience of the sun's rising to the prediction that it will rise tomorrow. What do philosophers today say about the problem of induction? This course shows how probability theory and other formal devices can be used to model inductive inferences. Credit not given for both X253 and PHIL P253.

### **Science, History, and Culture**

For students at all levels who want to study the role of science, medicine, and technology in the modern world. Previous experience with history and philosophy of science courses not expected.

#### **HPSC-X 205 Introduction to Medical History (3 cr.)**

**CASE S&H** From primitive humans to the present: survey of medical concepts, systems of health care, and the social relations of physician and patient.

#### **HPSC-X 206 The Atomic Bomb: Modern Physics,**

**the Manhattan Project and the History of Nuclear Weapons (3 cr.) CASE S&H** Examines the history of nuclear weapons with a primary emphasis on the Manhattan Project and the making of the atomic bomb. A

historical, philosophical and social analysis that engages scientific, political and moral issues and their current relevance.

#### **HPSC-X 210 Technology and Culture (3 cr.) CASE S&H**

We will consider the following questions (among others): Is Western technology fundamentally different from that of other cultures? What do science and technology have to do with each other? Is technology gendered? Is technological change inevitable or desirable?

#### **HPSC-X 222 Big Science in the Twentieth Century (3 cr.) CASE S&H**

Exploration of the effects of increasing scale on the nature of the scientific enterprise, with case studies from physics, space science, biology, and other fields. Topics include measuring the size of science, the politics of large-scale research, funding, and the growth of knowledge.

#### **HPSC-X 227 Computers Limited: What Computers Cannot Do (3 cr.) CASE N&M**

Acquaints learners with the logical limits of computation and with their migration into physics from the framework of the foundations of mathematics within which they were originally conceived.

#### **HPSC-X 229 History and Philosophy of Modern Physics (3 cr.) CASE N&M**

Introduction to foundational concepts in statistical mechanics, quantum mechanics, special relativity and general relativity. Discussion of philosophical issues concerning the nature of the material world and the process of scientific inquiry. Emphasis on developing writing skills and the ability to present complex ideas clearly and critically.

#### **HPSC-X 305 History and Philosophy of Medicine (3 cr.)**

**CASE N&M** The history of public health and medicine from ancient to modern times. Addresses a selection of historical, philosophical and ethical problems including medical understandings of the body; ideas about the nature and causes of disease, from "airs" and "humors" to germs to genetic predispositions; assessment of risks and liabilities.

#### **HPSC-X 306 Understanding Pictures: Aesthetics and Science (3 cr.) CASE A&H**

Examines cultural, historical and philosophical issues involving the use of still and moving images in science. Are pictures necessary? For what? How do pictures represent? How do they get designed, used and understood? What can pictures represent or communicate? Can they equally represent facts and values? How do they work as evidence, or as tools for thinking? What is the role of film in science and science in film?

#### **HPSC-X 308 History of Biology (3 cr.) CASE A&H**

P: Two college-level courses in the life sciences. Survey of the important concepts in biology from antiquity to the mid-twentieth century. Emphasis will be on changes in evolution theory and concepts of development and inheritance. Credit not given for both X408 and X308.

#### **HPSC-X 327 The Computer: A Biography (3 cr.) CASE N&M**

The history and philosophy behind the development of the digital computer. Focuses on major landmarks in the history of computing machines to illustrate the interrelatedness of computer science, mathematics, and physics to modern society. Discussion of philosophical questions ("Do human beings compute?") and ethical concerns such as the Internet's impact on privacy.

**HPSC-X 338 Science and Religion (3 cr.) CASE A&H**

Examines the relationship between science and religion in terms of its areas of inquiry, social institutions, and historical phenomena. Topics will include Mesopotamian astronomy and astrology, science and the Church in the Middle Ages, Galileo and the Church, Christianity and the Newtonian worldview, the Darwinian Revolution and creationism, and the impact of contemporary physics on theology.

**HPSC-X 369 History of American Science (3 cr.)**

**CASE S&H** R: One course in American history and one course in natural science. Survey of the intellectual and institutional development of science in the United States from colonial times to the present, with special emphasis on the changing role of the scientist in American society.

**HPSC-X 370 Science and Gender (3 cr.) CASE S&H**

The role of science and technology in constructions of masculinity and femininity from 1600 to the present. Historical and philosophical analysis of the interaction between science and technology and ideologies of gender. Evaluation of proposals for transforming science.

**HPSC-X 371 Topics in the Science of Sex and Gender (3 cr.) CASE S&H** P: May vary with topic. Possible topics include history of theories of sexuality, critique of current scientific concepts of sex and gender, philosophical perspectives on sexology, and the history of theories of sex evolution and determination. Departmental flyers, available at registration time, will describe each section in detail. May be repeated with a different topic for a maximum of 6 credits.

**HPSC-X 424 Neuropsychological Pathography (3 cr.) CASE A&H** P: PSY-P 324. How do people conceptualize and write about their mental trauma and psychological distress? Personal narratives of depression, aphasia, head injury, and other forms of neurological damage and emotional affliction are examined from a variety of perspectives and considered for their contribution to clinical science, rehabilitative services, and popular understanding of limits to human experience.

**HPSC-X 493 Structure and Methods of the Life Sciences (3 cr.) CASE A&H** Addresses fundamental questions such as: What are the differences between the life sciences and the physio-chemical sciences? Is reduction possible in the life sciences, and what does it mean? What is the best way to analyze theory structure in the life sciences? How successful has the genomic approach been in the life sciences, in reducing explanation to a molecular level? What does it mean to say that explanation is necessary at a variety of levels of the organization of life?

**Philosophical Issues within the Sciences**

Courses provide a sophisticated introduction to philosophical problems that arise in various contemporary scientific theories. Most of these courses do not presume a previous knowledge of the science examined.

**HPSC-X 390 Space, Time, and Relativity (3 cr.) CASE A&H** Topics in the philosophy of space, time, and spacetime. Theory of motion and Zeno's paradoxes; St. Augustine on time; time and becoming; relational versus absolute theories of space and time; Mach's principle;

introduction to Einstein's theory of relativity and space-time.

**HPSC-X 391 Philosophical Issues in Quantum Theory (3 cr.) CASE A&H**

An examination of philosophical problems and challenges raised by quantum theory. Topics include Heisenberg uncertainty relations, non-locality and EPR paradox, hidden variables, interpretations of quantum theory. No previous knowledge of quantum theory is assumed.

**HPSC-X 394 Structure and Methods of the Life Sciences (3 cr.) CASE A&H**

Examination of selected fundamental questions concerning the structure and methods of biology and psychology. Topics include the structure of theories and testing in the life sciences; teleology; fitness and levels of selection; the logic of classification; historical explanations in science; emergence and holism.

**HPSC-X 406 Survey of History of Science up to 1750 (3 cr.) CASE S&H**

Ancient, Medieval, Renaissance, and Enlightenment science.

**HPSC-X 407 Survey of History of Science since 1750 (3 cr.) CASE S&H**

P: Junior standing or consent of instructor. R: at least one course sequence in Western history (such as H103-H104). Growth of quantitative methods in physical science and experimental methods in physical science and experimental methods in natural history. Gradual separation of science from philosophy and theology.

**Fundamental Problems in Philosophy of Science**

Advanced undergraduate courses. X451, X452, and X456 together constitute a systematic survey of the major issues in contemporary philosophy of science. They may be taken separately or in any order.

**HPSC-X 451 Scientific Understanding (3 cr.) CASE A&H**

P: Junior standing or consent of instructor. R: one course in philosophy or philosophy of science. Science claims to tell us what the world is like, even the part of the world we cannot see, and to explain why things happen the way they do. But these claims are controversial. This course examines competing models of scientific explanation and the ongoing debate over whether scientific theories should or even can be interpreted realistically.

**HPSC-X 452 Modern Philosophy of Science (3 cr.) CASE A&H**

P: Junior standing or consent of instructor. R: one course in philosophy or philosophy of science. Examines the origin and character of twentieth-century philosophy of science by investigating the historical development—in interaction with parallel developments within the sciences themselves—from 1800 to the early twentieth century. Hermann von Helmholtz, Ernst Mach, Henri Poincaré, Moritz Schlick, and Rudolf Carnap.

**HPSC-X 456 Philosophy of Science in Antiquity (3 cr.) CASE A&H**

Historical survey of philosophical discussions of the nature of science, to include figures such as Plato, Aristotle, Epicurus, Augustine, and Aquinas. Covers a period from the ancient Greeks to the Middle Ages; may cover a longer or shorter period.

### **Special Topics and Seminars**

Students should consult the departmental flyers at the time of registration for the content, requirements, and format of these courses.

**HPSC-X 123 Perspectives on Science: Social and Historical (3 cr.) CASE S&H** Individual sections will vary in content and major themes, but all will employ case studies from the history of science to examine the intellectual, cultural, and social impact of science for a variety of historical perspectives. Various case studies are presented at an introductory level. May be repeated with a different topic for a total of 6 credit hours.

**HPSC-X 126 Perspectives on Science: Natural and Mathematical (3 cr.) CASE N&M** Individual sections will vary in content and major themes, but all will employ case studies to illustrate, from a variety of perspectives, the logic and methods of the natural and mathematical sciences. Examples illustrating these methods are presented at an introductory level. May be repeated with a different topic for a total of 6 credit hours.

**HPSC-X 220 Issues in Science: Humanistic (3 cr.) CASE A&H** General topics and themes in the history and philosophy of science. Departmental flyers, available at registration time, will describe each section in detail. May be repeated with a different topic for a maximum of 6 credit hours.

**HPSC-X 223 Issues in Science: Social and Historical (3 cr.) CASE S&H** Individual sections will vary in the central issue to be discussed, but all will engage in an examination of some issue concerning the intellectual, cultural, and social impact of science in historical perspective. Designed to investigate the evidence and arguments related to different interpretations of or approaches to the central theme or issue of the course. May be repeated with a different topic for a total of 6 credit hours.

**HPSC-X 226 Issues in Science: Natural and Mathematical (3 cr.) CASE N&M** Individual sections will vary in the central issue to be discussed, but all will engage in an examination of some issue concerning the logic and methods of the natural and mathematical sciences, with a view toward understanding those methods and the role they play in scientific theorizing generally. Designed to investigate the evidence and arguments related to different positions on the role or value of such methods in science. May be repeated with a different topic for a total of 6 credit hours.

**HPSC-X 300 Undergraduate Readings in History and Philosophy of Science (1-5 cr.)** Individualized readings for students minoring in history and philosophy of science. May be used with consent of instructor as an alternative to other undergraduate courses.

### **HPSC-X 320 Topics in Science: Humanistic (3 cr.) CASE A&H**

Specialized topics and themes in the history and philosophy of science. Departmental flyers, available at registration time, will discuss each section in detail. May be repeated with different topics for a maximum of 9 credit hours.

**HPSC-X 323 Topics in Science: Social and Historical (3 cr.) CASE S&H** Specialized topics and themes relating to the intellectual, cultural, and social impact of science in

historical perspective. Students will engage with primary source material and with debates about how that material ought to be understood. May be repeated with a different topic for a total of 6 credit hours.

**HPSC-X 326 Topics in Science: Natural and Mathematical (3 cr.) CASE N&M** Specialized topics and themes relating to the logic and methods of the natural and mathematical sciences, with a view toward understanding those methods and the role they play in scientific theorizing. Students will engage with actual philosophical debates about the proper understanding of an application of such methods in science. May be repeated with a different topic for a total of 6 credit hours.

**HPSC-X 420 Advanced Seminar in the History and Philosophy of Science (3-4 cr.)** This seminar offers specialized topics and themes in history and philosophy of science. Weekly meetings and reports on weekly reading assignments. Consult departmental flyers available at registration time for seminar topic and structure. May be repeated once with a different topic for a maximum of 8 credit hours.

## **Cross-Listed Courses**

### **Biology**

- BIOL-L 369 Heredity, Evolution, and Society (3 cr.) **CASE N&M**

### **College of Arts and Sciences Critical Approaches Courses**

- COLL-C 103 Critical Approaches to the Arts and Humanities (3 cr.) **CASE A&H, CASE CAPP** Approved topic: Eyes, Light, and Color: Vision Studies from the Renaissance Through the 20th Century
- COLL-C 104 Critical Approaches to the Social and Historical Studies (3 cr.) **CASE S&H, CASE CAPP** Approved topics: Genetics, Eugenics, and Biotechnology; Evolution, Creationism, and Society; The Modern University: Campus, Community, and Culture
- COLL-C 105 Critical Approaches to the Natural and Mathematical Sciences (3 cr.) **CASE N&M, CASE CAPP** Approved topic: Quantum Mysteries for Everyone

### **English**

- ENG-L 240 Literature and Public Life (3 cr.) **CASE A&H** Approved topic: Literature and Medicine

### **History**

- HIST-H 213 The Black Death (3 cr.) **CASE S&H, CASE GCC**
- HIST-H 333 Epidemics in History (3 cr.) **CASE S&H**
- HIST-J 400 Seminar in History (3 cr.) **CASE S&H** Approved topic: Sickness and Health in Society

### **Physics**

- PHYS-P 211 Global Energy Problems: Technological Options and Policy Choices (3 cr.) **CASE N&M**

### **Sociology**

- SOC-S 319 Science, Technology, and Society (3 cr.) **CASE S&H**

### School of Public and Environmental Affairs

- SPEA-E 262 Environmental Problems and Solutions (3 cr.)
- SPEA-H 316 Environmental Health Science (3 cr.)
- SPEA-H 322 Principles of Epidemiology (3 cr.)

## Human Biology

### Introduction

The Human Biology (HUBI) program provides students with a holistic understanding of our species with a focus on our biology. It includes consideration of how our biology is altered by both evolutionary history and a contemporary environment that includes natural, social, and technological components, and how it is interpreted within a social and cultural context. Students explore these diverse aspects of humanity while gaining a solid knowledge of our biological foundations. In the Human Biology curriculum, students study cases from the perspectives of different disciplines, work with team members to generate and present cases, participate in experiential learning environments, conduct original research, and communicate their work to a larger community using various media.

The Human Biology program is designed around a core sequence of two interdisciplinary 4-credit courses and a 3 credit senior capstone course. In addition to these, students take required courses in a variety of disciplines to gain expertise in the diverse aspects of human biology, and courses in a single area of concentration, that allow for more in-depth study in their area of interest. Each area of concentration includes courses from both the life science perspective and the historical, social, arts, and humanities perspectives.

### Contact Information

Department of Human Biology  
Sycamore Hall 046  
Bloomington, IN 47405

(812) 855-2250  
[humbio@indiana.edu](mailto:humbio@indiana.edu)

[www.indiana.edu/~humbio](http://www.indiana.edu/~humbio)

## Faculty

### Director

- Professor Andrea S. Wiley (Anthropology)

### Assistant Director

- Andrew I. Libby (Human Biology)

### Distinguished Professors

- Ellen D. Ketterson (Biology)
- Michael J. Wade (Biology)

### Chancellors Professors

- Robert J. Meier (Emeritus, Anthropology)
- Bernice A. Pescosolido (Sociology)

### Arnold and Maxine Tanis Chair of History and Philosophy of Science

- Elisabeth A. Lloyd (History and Philosophy of Science and Medicine, Biology)

### Professors

- Mark W. Braun (Medical Sciences)
- Gerhard Glomm (Economics)
- Kevin D. Hunt (Anthropology)
- Jane D. McLeod (Sociology)
- Stephanie A. Sanders (Gender Studies)
- Olaf Sporns (Psychological and Brain Sciences)
- Virginia J. Vitzthum (Anthropology)
- Andrea S. Wiley (Anthropology)

### Associate Professors

- James H. Capshew (History and Philosophy of Science and Medicine)
- Sander J. Gliboff (History and Philosophy of Science and Medicine)
- Vivian Nun Halloran (American Studies, English)
- Richard W. Hardy (Biology)
- Colin R. Johnson (Gender Studies)
- Frederika A. Kaestle (Anthropology)
- Valerie O'Loughlin (Medical Sciences)
- Sarah D. Phillips (Anthropology)
- Heather L. Reynolds (Biology)
- Marla R. Sandys (Criminal Justice)
- Jutta Schickore (History and Philosophy of Science and Medicine)
- Whitney M. Schlegel (Biology)
- Lisa H. Sideris (Religious Studies)

### Senior Lecturers

- Amy K. Berndtson (Biology)

### Lecturers

- Farrah Bashey-Visser (Biology)
- Pamela L. Hanratty (Biology)
- Andrew I. Libby (Human Biology)

### Professors Emeriti

- Robert J. Meier (Anthropology)
- Craig E. Nelson (Biology)

### Academic Advising

- Andy J. Ruff, Sycamore Hall 041, (812) 855-5725

## Major in Human Biology—B.A.

### Purpose

The human biology B.A. provides students with a holistic understanding of our species with a focus on our biology, including consideration of how that biology is altered by our evolutionary history and a contemporary environment that includes natural, social, and technological components. Students explore these diverse aspects of humanity while gaining a solid knowledge of our biological foundations. The focus of the B.A. is at the organismal level, with attention to lower levels as needed, and B.A. students are encouraged to investigate human biology with a broad interdisciplinary lens. Students can focus their course work in an area of concentration most suited to their interests. The B.A. degree allows for breadth and flexibility in the curriculum and the possibility for pursuing a double major. Students can also fulfill the requirements necessary for a variety of post-baccalaureate health sciences and graduate school programs.

### Required Courses

In addition to the requirements for the B.A. degree in the College of Arts and Sciences, students must complete 38–40 credit hours from the following:

1. Human Biology core courses (all required):

- HUBI-B 200 The Intricate Human
- HUBI-B 300 Human Dilemmas
- HUBI-B 400 Complex Problems of Humanity

2. Additional core course work:

- One course from PHSL-P 215 Basic Human Physiology, BIOL-P 451 Integrative Human Physiology, ANAT-A 215 Basic Human Anatomy, or ANAT-A 480 Anatomy for Imaging
- ANTH-B 200 Introduction to Bioanthropology
- HPSC-X 200 Scientific Reasoning or HPSC-X 102 Revolutions in Science: Plato to NATO
- PSY-P 101 Introductory Psychology, or PSY-P 155 Introduction to Psychological and Brain Sciences, or BIOL-L 350 Environmental Biology, or BIOL-L 222 The City as Ecosystem

3. One course in Statistics from STAT-S 300, S303, PSY-K 300 or K310, CJUS-K 300, ECON-E 370 or ECON-S 370, ANTH-A 306, SOC-S 371, POLS-Y 395, LAMP-L 316, SPEA-K 300.

4. Area of Concentration Courses: 12 additional credit hours in one area of concentration; at least 9 credit hours must be at the 300 level or above. Within the area of concentration, courses must be selected according to the following criteria:

- One course from the Life Sciences Perspective (List A)
- One Lecture/Laboratory course (List B)
- At least two courses must be selected from the Historical, Social, Arts, and Humanities Perspectives (List C)

5. Students who are pursuing the B.A. in Human Biology and the Minor in Medical Sciences can count up to 10 credit hours (usually ANAT-A 215 or 480 and PHSL-P 215) from the Medical Sciences minor toward the B.A. in Human Biology.

6. Courses taken to fulfill core course work within the major cannot be double-counted for the Area of Concentration requirement.

### Recommendations

Human Biology Program students are strongly encouraged to take advantage of the opportunities available at IU Bloomington to complement their area of concentration by seeking internships, working in research laboratories, attending seminars, or becoming human biology peer instructors. Students are encouraged to take a course in information literacy (e.g., BIOL-L 301 Information Literacy in Biology).

Students are encouraged to study abroad to gain a global perspective on the human condition. To take advantage of the many opportunities for overseas study, students should contact the Office of Overseas Study, 855-9304. Students should plan their study abroad experience carefully to accommodate HUBI core course scheduling.

## Major in Human Biology—B.S.

### Purpose

The human biology B.S. provides students with a holistic understanding of our species with a focus on our biology, including consideration of how that biology is altered by our evolutionary history and a contemporary environment that includes natural, social, and technological components. Students explore these diverse aspects of humanity while gaining a solid knowledge of our biological foundations. Core course work extends the investigation of human biology to the sub-cellular and molecular level and places the details of human biology within the larger context of biological and biochemical mechanisms common to all life forms. The B.S. degree in Human Biology is designed to provide students with a strong scientific knowledge base in human biology, interdisciplinary perspectives on the human condition, and an opportunity to focus their course work in an area of concentration most suited to their interests. Many human biology B.S. degree students are preparing for graduate education or professional school in the health sciences, business, or law. Students can also prepare for careers in the life science industries.

### Required Courses

Students must complete the following Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, Public Oral Communication, and Culture Studies requirements:

1. Writing: same as the general requirements for the B.A. degree (Intensive Writing, English Composition).
2. Foreign language: three semesters in the same language, or equivalent proficiency.
3. Mathematics: one of MATH-M 118, M119, or M211.
4. Arts and humanities: two courses.
5. Social and historical studies: two courses.
6. Natural and mathematical sciences: fulfilled by major.
7. Critical Approaches: one course.
8. Public Oral Communication: one course.
9. Culture Studies: one course from CASE GCC.

### Major Requirements

1. Human Biology core courses (all required):

- HUBI-B 200 The Intricate Human
- HUBI-B 300 Human Dilemmas
- HUBI-B 400 Complex Problems of Humanity

2. Additional core course work:

- PHSL-P 215 Basic Human Physiology, or BIOL-P 451 Integrative Human Physiology
- ANAT-A 215 Basic Human Anatomy, or ANAT-A 480 Anatomy for Imaging
- ANTH-B 200 Introduction to Bioanthropology
- HPSC-X 200 Scientific Reasoning or HPSC-X 102 Revolutions in Science: Plato to NATO
- PSY-P 101 Introductory Psychology, or PSY-P 155 Introduction to Psychological and Brain Sciences, or BIOL-L 350 Environmental Biology, or BIOL-L 222 The City as Ecosystem

3. One course in Statistics chosen from STAT-S 300 or S303, PSY-K 300 or K310, CJUS-K 300, ECON-E 370 or ECON-S 370, ANTH-A 306, SOC-S 371, POLS-Y 395, LAMP-L 316, SPEA-K 300.
4. BIOL-L 112, CHEM-C 117 and CHEM-C 127, and BIOL-L 211 (all required)
5. Two of the following courses: PSY-P 346 Neuroscience, BIOL-L 311 Genetics, ANTH-B 370 Human Variation, or HPER-N 231 Human Nutrition
6. One ethics course chosen from BIOL-T 312 Societal Issues in Biotechnology, PHIL-P 140 Introduction to Ethics, PHIL-P 242 Applied Ethics, PHIL-P 393 Biomedical Ethics, POLS-Y 379 Ethics and Public Policy, REL-D 340 Religion and Bioethics, or ENG-L 240 Literature and Public Life.
7. Area of Concentration Courses: 12 additional credit hours in one area of concentration; at least 9 credit hours must be at the 300 level or above. Within the area of concentration, courses must be selected according to the following criteria:
  - One course from the Life Sciences Perspective (List A)
  - One Lecture/Laboratory course (List B)
  - At least two courses must be selected from the Historical, Social, Arts, and Humanities Perspectives (List C)
8. Students who are pursuing the B.S. degree in Human Biology and the Minor in Medical Sciences can count up to 10 credit hours (usually ANAT-A 215 or A480 and PHSL-P 215) from the Medical Sciences minor toward the B.S. in Human Biology.
9. Courses taken to fulfill core course work within the major cannot be double-counted for the Area of Concentration requirement.

### **Recommendations**

Human Biology Program students are strongly encouraged to take advantage of the opportunities available at IU Bloomington to complement their area of concentration by seeking internships, working in research laboratories, attending seminars, or becoming human biology peer instructors. Students are encouraged to take a course in information literacy (e.g., BIOL-L 301 Information Literacy in Biology).

Students are encouraged to study abroad to gain a global perspective on the human condition. To take advantage of the many opportunities for overseas study, students should contact the Office of Overseas Study, 855-9304. Students should plan their study abroad experience carefully to accommodate HUBI core course scheduling.

## **Certificate in Human Biology**

### **Purpose**

The Certificate in Human Biology provides a broad and rigorous introduction to the biological sciences and relates these sciences to the problems raised by relationships of human beings to one another and to their environment. This distinctive program is designed to meet societal demand for students with broad biological knowledge and a scientific approach to problem-solving, who also possess an understanding of the social and cultural issues

facing them as scientists. What is the biological basis of life, diversity, and disease? What is the biological basis of human behavior? How do social forces influence science and our understanding of what it means to be human? These are samples of the types of broad questions that can be explored within the Certificate in Human Biology.

### **Required Courses**

A student may earn a certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. Students should contact the Human Biology Program advising office to apply for the certificate. Students must have a minimum cumulative GPA of 2.700 at the time of admission and must maintain this GPA to graduate with the certificate. Additionally, in order to complete the certificate, students must maintain a minimum cumulative GPA of 3.000 in courses taken for the certificate. Students will also be required to complete exit surveys and to develop an electronic portfolio that demonstrates the connections students have made between the courses they complete as part of the certificate and their goals for career and further study after graduation.

The certificate requires 28–29 credit hours as follows:

1. BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.)
2. BIOL-L 211 Molecular Biology (3 cr.).
3. MSCI-M 131 Disease and the Human Body (3 cr.).
4. ANAT-A 215 Basic Human Anatomy (5 cr.)
5. PHSL-P 215 Basic Human Physiology (5 cr.) **or** BIOL-P 451 Integrative Human Physiology (4 cr.).
6. BIOL-L 350 Environmental Biology (3 cr.) **or** ANTH-B 370 Human Variation (3 cr.).
7. PSY-P 315 Developmental Psychology (3 cr.) **or** PSY-P 326 Behavioral Neuroscience (3 cr.) **or** PSY-P 346 Neuroscience (3 cr.).
8. REL-D 340 Religion and Bioethics (3 cr.).
9. HUBI-B 480 Human Biology E-portfolio Capstone (1 cr.).

## **Areas of Concentration**

### **Human Health and Disease**

This concentration examines the biological basis of health and disease as well as the social and cultural context that influences disease risk and healing.

### **Human Reproduction and Sexuality**

This concentration focuses on human reproduction and sexuality both from a biological standpoint and from a psychological and social perspective.

### **Human Environment and Ecology**

This concentration addresses humans as organisms interfacing with their environment and the resulting effects of this interaction on the human condition.

### **Human Origins and Survival**

This concentration emphasizes human origins, variation, and physiological adaptations through the study of genetics and evolutionary processes. Cultural and biological adaptations related to health and disease are considered.

### **Human Growth and Development**

This concentration explores the development of the human body and mind, including the mechanisms and

processes of change across the human lifespan, from a biological as well as a social and cultural perspective.

## Approved Area of Concentration Courses

### Human Health and Disease

#### A. Life Sciences Perspectives Courses (Choose 1)

- ANTH-B 260 Bio-cultural Medical Anthropology (3 cr.) **CASE N&M**
- BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.) **CASE N&M**
- BIOL-L 211 Molecular Biology (3 cr.) **CASE N&M**
- BIOL-L 311 Genetics (3 cr.)
- BIOL-L 318 Evolution (3 cr.)
- BIOL-M 250 Microbiology (3 cr.) **CASE N&M**
- BIOL-M 350 Microbial Physiology and Biochemistry (3 cr.)
- BIOL-M 380 Microbiology of Infectious Diseases (3 cr.)
- BIOL-M 440 Medical Microbiology: Lecture (3 cr.)
- BIOL-Z 466 Endocrinology (3 cr.)
- CHEM-C 341 Organic Chemistry I Lectures (3 cr.) **CASE N&M**
- CHEM-C 483 Biological Chemistry (3 cr.) **CASE N&M**
- MSCI-M 216 Medical Science of Psychoactive Drugs (3 cr.) **CASE N&M**
- MSCI-M 470 Mechanisms of Human Disease (3 cr.)\*
- MSCI-M 485 Physiology of Human Disease (4 cr.)\*
- PSY-P 303 Health Psychology (3 cr.) **CASE N&M**
- PSY-P 346 Neuroscience (3 cr.)
- SPHS-S 307 Cognitive and Communicative Aspects of Aging (3 cr.) **CASE N&M**

#### B. Lecture/Laboratory Courses (Choose 1)

- ANAT-A 215 Basic Human Anatomy (5 cr.) **CASE N&M**
- ANAT-A 464 Human Tissue Biology (4 cr.)\*
- ANAT-A 480 Human Anatomy for Medical Imaging Evaluation (3 cr.)\*
- ANTH-B 301 Laboratory in Bioanthropology (3 cr.) **CASE N&M**
- BIOL-L 113 Biology Laboratory (3 cr.) **CASE N&M**
- BIOL-L 319 Genetics Laboratory (3 cr.)
- BIOL-M 445 Medical Microbiology: Laboratory (3 cr.)
- BIOL-P 451 Integrative Human Physiology (4 cr.)
- CHEM-C 117 and CHEM-C 127 Principles of Chemistry and Biochemistry I (3 cr.) **CASE N&M** and Lab (2 cr.)
- CHEM-N 330 Intermediate Inorganic Chemistry (5 cr.)
- PHSL-P 215 Basic Human Physiology (5 cr.) **CASE N&M**
- PHYS-P 201 General Physics I (5 cr.) **CASE N&M**
- PHYS-P 221 Physics 1 (5 cr.) **CASE N&M**

#### C. Historical, Social, Arts, and Humanities

#### Perspectives Courses (Choose 2)

- ANTH-E 260 Culture, Health, and Illness (3 cr.) **CASE S&H, CASE DUS**
- CJUS-P 415 Crime and Madness (3 cr.) **CASE S&H**

- CLAS-C 209 Medical Terms from Greek and Latin (2 cr.)
- CMCL-C 333 Stigma: Culture, Deviance, and Identity (3 cr.) **CASE A&H**
- CMCL-C 340 The Rhetoric of Social Movements (Topic: Illness, Violence, & Resistance) (3 cr.) **CASE A&H**
- CMCL-C 433 Food Performance and Communication (3 cr.) **CASE S&H**
- CMLT-C 340 Women in World Literature (3 cr.) **CASE A&H, CASE GCC**
- ECON-E 344 Health Economics (3 cr.)
- ENG-L 240 Literature and Public Life (3 cr.) **CASE A&H**
- GNDR-G 225 Gender, Sexuality, and Popular Culture (3 cr.) **CASE A&H, CASE DUS**
- GNDR-G 235 Scientific Understandings of Sex and Gender (3 cr.) **CASE S&H**
- GNDR-G 335 Explaining Sex/Gender Differences (3 cr.) **CASE S&H**
- GNDR-G 435 Health, Sex, and Gender (3 cr.) **CASE S&H**
- HIST-H 213 The Black Death (3 cr.) **CASE S&H, CASE GCC**
- HIST-H 333 Epidemics in History (3 cr.) **CASE S&H**
- HPSC-X 200 Scientific Reasoning (3 cr.) **CASE N&M**
- HPSC-X 305 History and Philosophy of Medicine (3 cr.) **CASE N&M**
- INTL-I 202 Health, Environment, and Development (3 cr.) **CASE S&H**
- PHIL-P 393 Biomedical Ethics (3 cr.)
- POLS-Y 379 Ethics and Public Policy (3 cr.) **CASE A&H**
- PSY-P 315 Developmental Psychology (3 cr.) **CASE S&H**
- PSY-P 324 Abnormal Psychology (3 cr.) **CASE S&H**
- REL-D 340 Religion and Bioethics (3 cr.) **CASE A&H**
- SOC-S 101 Social Problems and Policies (3 cr.) **CASE S&H** (Approved topic: Medicine in America: Physicians, Patients, and Their Problems)
- SOC-S 324 Mental Illness (3 cr.) **CASE S&H**

### Human Reproduction and Sexuality

#### A. Life Sciences Perspectives Courses (Choose 1)

- ANTH-B 340 Hormones and Human Behavior (3 cr.) **CASE N&M**
- BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.) **CASE N&M**
- BIOL-L 311 Genetics (3 cr.)
- BIOL-L 317 Developmental Biology (3 cr.)
- BIOL-L 318 Evolution (3 cr.)
- BIOL-L 331 Introduction to Human Genetics (3 cr.)
- BIOL-L 340 Biological Basis of Sex Differences (3 cr.) **CASE N&M**
- BIOL-M 416 Biology of AIDS (3 cr.)
- BIOL-Z 466 Endocrinology (3 cr.)
- PSY-P 204 Psychological and Biological Bases of Human Sexuality (3 cr.) **CASE N&M** Note: Only one of PSY-P 204 and SPH-F 255 may count toward a degree in human biology.

### B. Lecture/Laboratory Courses (Choose 1)

- ANAT-A 215 Basic Human Anatomy (5 cr.) **CASE N&M**
- ANAT-A 464 Human Tissue Biology (4 cr.)\*
- ANAT-A 480 Human Anatomy for Medical Imaging Evaluation (3 cr.)\*
- BIOL-L 319 Genetics Laboratory (3 cr.)
- BIOL-P 451 Integrative Human Physiology (4 cr.)
- CHEM-C 117 and CHEM-C 127 Principles of Chemistry and Biochemistry I **CASE N&M** (3 cr.) and Lab (2 cr.)
- CHEM-N 330 Intermediate Inorganic Chemistry (5 cr.)
- PHSL-P 215 Basic Human Physiology (4–5 cr.) **CASE N&M**
- PHYS-P 201 General Physics (5 cr.) **CASE N&M**
- PHYS-P 221 Physics 1 (5 cr.) **CASE N&M**

### C. Historical, Social, Arts, and Humanities

#### Perspectives Courses (Choose 2)

- CJUS-P 412 Sex, Drugs, AIDS, and Criminal Law (3 cr.) **CASE S&H**
- CJUS-P 423 Sexuality and the Law (3 cr.) **CASE S&H**
- CMCL-C 412 Race, Gender, and Representation (3 cr.) **CASE S&H**
- ENG-L 249 Representations of Gender and Sexuality (3 cr.) **CASE A&H**
- ENG-L 389 Feminist Literary and Cultural Criticism (3 cr.) **CASE A&H**
- GNDR-G 105 Sex, Gender, and the Body (3 cr.) **CASE S&H**
- GNDR-G 235 Scientific Understandings of Sex and Gender (3 cr.) **CASE S&H**
- GNDR-G 303 Knowledge and Sex (3 cr.) **CASE S&H**
- GNDR-G 335 Explaining Sex/Gender Differences (3 cr.) **CASE S&H**
- GNDR-G 399 Regulating Gender (3 cr.) **CASE S&H**
- GNDR-G 430 Kinsey's Sexual Behavior in the Human Female (3 cr.) **CASE S&H**
- GNDR-G 435 Health, Sex, and Gender (3 cr.) **CASE S&H**
- HIST-A 300 Issues in United States History (Approved topic: American Sexual Histories) (3 cr.) **CASE S&H**
- HIST-H 231 The Family in History (3 cr.) **CASE S&H**
- SPH-F 255 Human Sexuality (3 cr.)\* **Note:** Only one of PSY-P 204 and SPH-F 255 may count toward a degree in human biology.
- SOC-S 321 Sexual Diversity (3 cr.) **CASE S&H**
- SOC-S 338 Gender Roles (3 cr.) **CASE S&H**
- SOC-S 413 Gender and Society (3 cr.) **CASE S&H**
- SOC-S 422 Constructing Sexuality (3 cr.) **CASE S&H**

### Human Environment and Ecology

#### A. Life Sciences Perspectives Courses (Choose 1)

- BIOL-B 368 Ethnobotany (3 cr.) **CASE N&M**
- BIOL-L 318 Evolution (3 cr.)
- BIOL-L 473 Ecology (3 cr.)
- GEOG-G 208 Environment and Society (3 cr.) **CASE N&M**

- GEOG-G 305 Environmental Change—Nature and Impact (3 cr.) **CASE N&M**
- GEOG-G 307 Biogeography: The Distribution of Life (3 cr.) **CASE N&M**
- GEOG-G 421 Environments of Tropical Lands (3 cr.)
- PHYS-P 310 Environmental Physics (3 cr.) **CASE N&M**

#### B. Lecture/Laboratory Courses (Choose 1)

- BIOL-B 300 Vascular Plants (4 cr.) **CASE N&M**
- BIOL-B 364 Summer Flowering Plants (4–5 cr.) **CASE N&M**
- BIOL-L 376 Biology of Birds (4 cr.)
- BIOL-L 433 Tropical Biology (3 cr.)
- BIOL-L 465 Advanced Field Biology (3 cr.)
- BIOL-P 451 Integrative Human Physiology (4 cr.)
- BIOL-Z 406 Vertebrate Zoology (5 cr.)
- BIOL-Z 476 Biology of Fishes (3 cr.)
- CHEM-C 117 and CHEM-C 127 Principles of Chemistry and Biochemistry I (3 cr.) **CASE N&M** and Lab (2 cr.)
- CHEM-N 330 Intermediate Inorganic Chemistry (5 cr.)
- GEOL-G 104 Evolution of the Earth (3 cr.) **CASE N&M**
- GEOL-G 105 Earth: Our Habitable Planet (3 cr.) **CASE N&M**
- GEOL-G 131 Oceans and Our Global Environment (3 cr.) **CASE N&M**
- GEOL-G 171 Environmental Geology (3 cr.) **CASE N&M**
- GEOL-G 188 Volcanoes of the Eastern Sierra Nevada (3 cr.) **CASE N&M**
- GEOL-G 329 Introductory Field Experience in Environmental Science (5-6 cr.) **CASE N&M**
- GEOL-G 424 Geographic Information Systems Applications in Geology (3 cr.)
- PHSL-P 215 Basic Human Physiology (5 cr.) **CASE N&M**
- PHYS-P 201 General Physics I (5 cr.) **CASE N&M**
- PHYS-P 221 Physics 1 (5 cr.) **CASE N&M**

#### C. Historical, Social, Arts, and Humanities

#### Perspectives Courses (Choose 2)

- ANTH-A 150 Freshman Seminar in Anthropology: Topics (3 cr.) **CASE S&H**
- ANTH-E 101 Ecology and Society (3 cr.) **CASE S&H**
- ANTH-E 327 Native Amazonians and the Environment (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 328 Ecological Anthropology (3 cr.) **CASE S&H**
- ANTH-E 444 People and Protected Areas: Theories of Conservation (3 cr.) **CASE S&H**
- CEUS-R 394 Environmental Problems and Social Constraints in Northern and Central Eurasia (3 cr.) **CASE S&H**
- CMCL-C 220 Performing Human/Nature: Defining Relationships with the Environment (3 cr.) **CASE A&H**
- CMCL-C 228 Argumentation and Public Advocacy (3 cr.) **CASE A&H**
- CMCL-C 406 The Study of Public Advocacy (Approved topic: U.S. Environmental Movements) (3 cr.)

- ENG-L 240 Literature and Public Life (3 cr.) **CASE A&H**
- FOLK-F 440 Folklife and Material Culture Studies (3 cr.) **CASE A&H**
- GEOG-G 315 Environmental Conservation (3 cr.) **CASE S&H**
- GEOG-G 320 Population Geography (3 cr.) **CASE S&H**
- GEOG-G 411 Sustainable Development Systems (3 cr.) **CASE S&H**
- GEOG-G 415 Advanced Urban Geography (3 cr.) **CASE S&H**
- INTL-I 202 Health, Environment, and Development (3 cr.) **CASE S&H**
- POLS-Y 313 Environmental Policy (3 cr.) **CASE S&H**
- POLS-Y 379 Ethics and Public Policy (3 cr.) **CASE A&H**
- REL-D 250 Religion, Ecology, and the Self (3 cr.) **CASE A&H**
- REL-D 350 Religion, Ethics, and the Environment (3 cr.) **CASE A&H**
- SOC-S 101 Social Problems and Policies (3 cr.) **CASE S&H** (Approved topic: Envisioning the City) (3 cr.)
- SOC-S 370 Research Methods in Sociology (3 cr.) **CASE S&H**

### **Human Origins and Survival**

#### **A. Life Sciences Perspectives Courses (Choose 1)**

- ANTH-B 260 Biocultural Medical Anthropology (3 cr.) **CASE N&M**
- ANTH-B 350 Issues in Human Origins: Creation and Evolution (3 cr.)
- ANTH-B 370 Human Variation (3 cr.) **CASE N&M**
- ANTH-B 464 Human Paleontology (3 cr.)
- ANTH-B 470 Human Adaptation: Biological Approaches (3 cr.) **CASE N&M**
- ANTH-P 302 Invention and Technology (3 cr.)
- ANTH-P 380 Prehistoric Diet and Nutrition (3 cr.) **CASE N&M**
- BIOL-L 111 Foundations of Biology: Diversity, Evolution, and Ecology (3 cr.) **CASE N&M**
- BIOL-L 311 Genetics (3 cr.)
- BIOL-L 318 Evolution (3 cr.)
- COGS-Q 240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.) **CASE A&H**
- COGS-Q 301 Brain and Cognition (3 cr.) **CASE N&M**
- GEOG-G 208 Environment and Society (3 cr.) **CASE N&M**
- GEOL-G 334 Principles of Sedimentology and Stratigraphy (4 cr.)
- GEOL-G 404 Geobiology (3 cr.)
- INFO-I 400 Topics in informatics (3 cr.)\* (Approved topic: Seek and Find: Search Strategies in Space and Time)
- MSCI-M 470 Mechanisms of Human Disease (3 cr.)
- PSY-P 201 An Introduction to Neuroscience (3 cr.) **CASE N&M**

- PSY-P 325 Psychology of Learning (3 cr.) **CASE N&M**
- PSY-P 346 Neuroscience (3 cr.)
- PSY-P 335 Cognitive Psychology (3 cr.) **CASE N&M**
- PSY-P 410 Development of the Brain and Behavior (3 cr.)
- PSY-P 416 Evolution and Ecology of Learning (3 cr.)
- PSY-P 423 Human Neuropsychology (3 cr.)
- PSY-P 438 Language and Cognition (3 cr.) **CASE N&M**
- PSY-P 444 Developmental Psychobiology (3 cr.)
- PSY-P 466 Molecular and Cellular Neurobiology (3 cr.) **CASE N&M**
- SPHS-S 201 Speech and Hearing Physiology (3 cr.) **CASE N&M**
- SPHS-S 333 Childhood Language (3 cr.) **CASE N&M**

#### **B. Lecture/Laboratory Courses (Choose 1)**

- ANAT-A 215 Basic Human Anatomy (5 cr.) **CASE N&M**
- ANAT-A 480 Human Anatomy for Medical Imaging Evaluation (3 cr.)\*
- ANTH-B 301 Laboratory in Bioanthropology (3 cr.) **CASE N&M**
- ANTH-P 385 Paleolithic Technology Laboratory (3 cr.) **CASE N&M**
- BIOL-L 319 Genetics Laboratory (3 cr.)
- BIOL-P 451 Integrative Human Physiology (4 cr.)
- CHEM-C 117 and CHEM-C 127 Principles of Chemistry and Biochemistry I (3 cr.) **CASE N&M** and Lab (2 cr.)
- CHEM-N 330 Intermediate Inorganic Chemistry (5 cr.)
- PHL-P 215 Basic Human Physiology (5 cr.) **CASE N&M**
- PHYS-P 201 General Physics (5 cr.) **CASE N&M**
- PHYS-P 221 Physics 1 (5 cr.) **CASE N&M**

#### **C. Historical, Social, Arts, and Humanities**

#### **Perspectives Courses (Choose 2)**

- ANTH-A 303 Evolution and Prehistory (3 cr.) **CASE S&H**
- ANTH-E 210 Rethinking Race Globally (3 cr.) **CASE S&H**
- ANTH-E 260 Culture, Health, and Illness (3 cr.) **CASE S&H, CASE DUS**
- ANTH-L 200 Language and Culture (3 cr.) **CASE S&H**
- ANTH-L 407 Language and Prehistory (3 cr.) **CASE S&H**
- ANTH-P 200 Introduction to Archaeology (3 cr.) **CASE S&H**
- ANTH-P 210 Life in the Stone Age (3 cr.) **CASE S&H**
- ANTH-P 220 The Rise and Fall of Ancient Civilizations (3 cr.) **CASE S&H**
- FOLK-F 215 Health and Morbidity in Traditional Cultures (3 cr.) **CASE S&H**
- HIST-B 300 Issues in Western European History (3 cr.) **CASE S&H** (Approved topic: The Industrial Revolution)
- HIST-H 205 Ancient Civilization (3 cr.) **CASE S&H, CASE GCC**

- HIST-H 333 Epidemics in History (3 cr.) **CASE S&H**
- HPSC-X 102 Revolutions in Science: Plato to NATO (3 cr.) **CASE S&H**
- HPSC-X 200 Scientific Reasoning (3 cr.) **CASE N&M**
- LING-L 210 Topics in Language and Society (3 cr.) **CASE S&H**
- LING-L 430 Language Change and Variation (3 cr.) **CASE S&H**
- PHIL-P 320 Philosophy and Language (3 cr.) **CASE A&H**
- PSY-P 315 Developmental Psychology (3 cr.) **CASE S&H**

### **Human Growth and Development**

#### **A. Life Sciences Perspectives Courses (Choose 1)**

- ANTH-B 370 Human Variation (3 cr.) **CASE N&M**
- ANTH-B 480 Human Growth and Development (3 cr.)
- PSY-P 315 Developmental Psychology (3 cr.) **CASE S&H**
- PSY-P 346 Neuroscience (3 cr.)
- PSY-P 410 Development of the Brain and Behavior (3 cr.)
- PSY-P 425 Behavior Disorders of Childhood and Adolescence (3 cr.)
- PSY-P 442 Infant Development (3 cr.)
- PSY-P 443 Cognitive Development (3 cr.)
- PSY-P 444 Developmental Psychobiology (3 cr.)
- SPHS-S 333 Childhood Language (3 cr.) **CASE N&M**
- SPHS-S 436 Language Disorders in Children (3 cr.)

#### **B. Lecture/Laboratory Courses (Choose 1)**

- ANAT-A 215 Basic Human Anatomy (5 cr.) **CASE N&M**
- ANAT-A 480 Human Anatomy for Medical Imaging Evaluation (3 cr.)\*
- ANTH-B 301 Laboratory in Bioanthropology (3 cr.) **CASE N&M**
- ANTH-B 405 Fieldwork in Bioanthropology (cr. arr.)
- BIOL-L 113 Biology Laboratory (3 cr.) **CASE N&M**
- BIOL-L 319 Genetics Laboratory (3 cr.)
- BIOL-L 324 Human Molecular Biology Laboratory (3 cr.)
- BIOL-P 451 Integrative Human Physiology (4 cr.)
- CHEM-C 117 and CHEM-C 127 Principles of Chemistry and Biochemistry I (3 cr.) **CASE N&M** and Lab (2 cr.)
- CHEM-N 330 Intermediate Inorganic Chemistry (5 cr.)
- PHYS-P 215 Basic Human Physiology (5 cr.) **CASE N&M**
- PHYS-P 201 General Physics I (5 cr.) **CASE N&M**
- PHYS-P 221 Physics 1 (5 cr.) **CASE N&M**
- PSY-P 426 Laboratory in Behavioral Neuroscience (3 cr.)
- PSY-P 429 Laboratory in Developmental Psychology (3 cr.)
- PSY-P 433 Laboratory in Neuroimaging Methods (3 cr.)

- PSY-P 435 Laboratory in Human Learning and Cognition (3 cr.)

### **C. Historical, Social, Arts, and Humanities**

#### **Perspectives Courses (Choose 2)**

- CJUS-P 414 Adolescents and the Law (3 cr.) **CASE S&H**
- CJUS-P 462 Child Abuse and Neglect (3 cr.) **CASE S&H**
- ENG-L 390 Children's Literature (3 cr.) **CASE A&H**
- ENG-L 391 Literature for Young Adults (3 cr.) **CASE A&H**
- FOLK-F 364 Children's Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE DUS**
- GNDR-G 335 Explaining Sex/Gender Differences (3 cr.) **CASE S&H**
- HIST-H 231 The Family in History (3 cr.) **CASE S&H**
- HPSC-X 305 History and Philosophy of Medicine (3 cr.) **CASE N&M**
- HPSC-X 308 History of Biology (3 cr.) **CASE A&H**
- POLS-Y 315 Political Psychology and Socialization (3 cr.) **CASE S&H**
- SOC-S 316 The Family (3 cr.) **CASE S&H**
- SOC-S 344 Sociology of Childhood (3 cr.) **CASE S&H**
- TEL-T 317 Children and Media (3 cr.) **CASE S&H**

\*The College limits the number of credit hours outside the College that may count toward a degree. For more information, see the section "Courses Outside the College" under "Degree Requirements" in this Bulletin.

### **Course Descriptions**

#### **HUBI-B 200 The Intricate Human (4 cr.) CASE**

**N&M P or C:** One college-level course in statistics.

Interdisciplinary study of the human organism including genetics, metabolism and other aspects of physiology, behavior, culture, and environmental context. Case-based approaches to specific content will reflect faculty expertise, student interests, and current issues in human biology. Emphasis is placed on developing scientific literacy and implementing the scientific method. Credit given for only one of B200, S200, or B101.

#### **HUBI-S 200 The Intricate Human, Honors (4 cr.) CASE**

**N&M P or C:** One college-level course in statistics.

Interdisciplinary study of the human organism including genetics, metabolism and other aspects of physiology, behavior, culture, and environmental context. Case-based approaches to specific content will reflect faculty expertise, student interests, and current issues in human biology. Emphasis is placed on developing scientific literacy and implementing the scientific method. Credit given for only one of S200, B200 or B101.

#### **HUBI-B 300 Human Dilemmas (4 cr.) CASE N&M**

**P:** HUBI B200, S200, or B101. Social and ethical consideration of the human condition and of the construction of scientific knowledge through case-based investigation of biological processes integrating multiple disciplinary perspectives. Emphasis is placed on logical interpretation of data and on effective communication of evidence and claims. Specific content will reflect faculty expertise. Credit given for only one of B300, S300, or B201.

**HUBI-S 300 Human Dilemmas, Honors (4 cr.)**

**CASE N&M P:** HUBI B200, S200, or B101. Social and ethical consideration of the human condition and of the construction of scientific knowledge through case-based investigation of biological processes integrating multiple disciplinary perspectives. Emphasis is placed on logical interpretation of data and on effective communication of evidence and claims. Specific content will reflect faculty expertise. Credit given for only one of S300, B300 or B201.

**HUBI-B 350 Topics in Human Biology (1-3 cr.)**

P: HUBI B 200 or S200. Analysis of selected topics, problems, or methods in human biology, with emphasis on interdisciplinary approaches. Content will vary by instructor. May be repeated with a different topic for a maximum of 6 credit hours.

**HUBI-B 400 Complex Problems of Humanity (3 cr.)**

**CASE N&M P:** One of B300, S300 or B201 Capstone experience focusing on the interface of science and society. Students critically analyze real-world contemporary challenges that impact the human condition. Topics vary based on faculty expertise and student interest. Emphasis is on student research or service learning, communicating science, peer review, and making scientifically-informed arguments. Credit given for only one of B400 or B401.

**HUBI-B 460 Peer Instruction in Human Biology (3 cr.)**

P: Requires application. Contact course instructor(s). Supervised teaching and mentoring experience in an undergraduate Human Biology course. May be repeated with a different Human Biology course for a maximum of 6 credit hours.

**HUBI-B 480 Human Biology E-portfolio Capstone (1 cr.)**

In this capstone course, students will create an electronic portfolio to document and reflect on their academic course work and extracurricular activities and relate their work to their future studies or careers. Required for students who have applied for the Certificate in Human Biology.

**HUBI-B 490 Undergraduate Research in Human Biology (1-6 cr.)** P: Minimum overall GPA of 2.500, and written permission of supervising faculty member. Introduction to research methods and scientific investigation in a student's area of concentration. A student is required to complete a written assignment and present an oral report as evidence of each semester's work. May be repeated for a maximum of 6 credit hours.

## India Studies

### Introduction

The Madhusudan and Kiran C. Dhar India Studies Program (INST) seeks to provide for the interdisciplinary study and critical analysis of the cultures and civilizations that have developed on the Indian subcontinent from ancient times to the present. The primary focus of the program is on present-day or modern India, but in order to understand modern India, it is important to have some basic knowledge about the great periods in the history of India that have shaped modern Indian social reality. This approach requires a sophisticated understanding of the country's highly developed arts, music, literature, drama,

philosophy, religions, and social and political structures. In addition to providing an overall, comprehensive education about Indian civilizations, the program allows for more specialized work in (a) literary and performance studies, (b) philosophical and religious studies, and (c) social, political, and historical studies. The India Studies Program also offers beginning and intermediate-level courses in several Indian languages. All students in the program are encouraged to take language classes, as well as to consider study abroad in India.

The Dhar India Studies Program is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

### Contact Information

Madhusudan and Kiran C. Dhar India Studies Program  
Indiana University  
825 East Eighth Street  
Bloomington, IN 47408-3842

(812) 855-5798  
[india@indiana.edu](mailto:india@indiana.edu)

<http://www.indiana.edu/~isp>

### Faculty

#### Director

- Michael S. Dodson

#### Director of Language Instruction

- Rebecca Manring

#### Professors

- Christopher Beckwith (Central Eurasian Studies)
- Kevin D. Brown (Maurer School of Law)
- Jamsheed Choksy (Central Eurasian Studies)
- J. Clancy Clements (Spanish and Portuguese, Linguistics)
- David Fidler (Maurer School of Law)
- Sumit Ganguly (Political Science)
- David L. Haberman (Religious Studies)
- Jayanath Krishnan (Maurer School of Law)
- Terrence Mason (School of Education)
- Radhika Parameswaran (Journalism)
- Steven Raymer (Journalism)
- Samrat Upadhyay (English)
- Munirpallam Venkataramanan (Kelley School of Business)
- John Walbridge (Near Eastern Languages and Cultures)
- Andrea Wiley (Anthropology)

#### Associate Professors

- Purnima Bose (English)
- Judith Brown (English)
- Michael S. Dodson (History)
- Nandini Gupta (Kelley School of Business)

- Kevin Jaques (Religious Studies, Islamic Studies)
- Sreenivas Kamma (Kelley School of Business)
- Paul Losensky (Central Eurasian Studies, Comparative Literature)
- Rebecca Manring (India Studies, Religious Studies)
- Richard Nance (Religious Studies)
- Susan Seizer (Communication and Culture)
- Ron Sela (Central Eurasian Studies)
- Pravina Shukla (Folklore and Ethnomusicology)
- Elliot Sperling (Central Eurasian Studies)
- Ranu Samantrai (English)
- Arvind Verma (Criminal Justice)

#### **Assistant Professor**

- Majed Akhter (Geography)
- Keera Allendorf (Sociology)
- Pedro Machado (History)

#### **Lecturer**

- Kashika Singh

#### **Academic Advising**

- Will Smith, Goodbody Hall 240, (812) 855-2736

## **Major in India Studies**

#### **Purpose**

India is an important, dynamic part of today's world. The India Studies major equips students to understand and become engaged with this complex and exciting region. The major is designed for undergraduate students on the Bloomington campus, including those in various professional schools. The program offers a variety of courses dedicated to investigating the culture, literature, arts, philosophy, socio-political and historical dimensions of India. The program also offers training in several Indic languages at the beginning, intermediate and advanced levels. When combined with a major in International Studies, Communication and Culture, Anthropology, History, Religious Studies, Comparative Literature, Political Science, or Folklore, to name a few, the India Studies major gives students a competitive edge in the increasingly global market.

#### **Required Courses**

Students pursuing a major in India Studies must complete a second major (B.A.) in a department of the College of Arts and Sciences. (Students completing a simultaneous second degree program in the College or through another school should check with the advisor for details.)

1. Six credits through the fourth-semester level of a modern Indic language, Sanskrit, or an appropriate substitute which must be approved in advance by the Academic Program Committee of the India Studies Program. Students demonstrating proficiency to a level commensurate with the completion of four semesters of course work may substitute six credit hours from other India Studies courses.

2. In addition to fulfillment of language requirements (specified above), completion of a minimum of 24 credit hours of India Studies courses, including the following:

- The India Studies "core course"
- At least one 3-credit course at the 300 level or above from the Literary and Performance Studies group

- At least one 3-credit course at the 300 level or above from the Philosophical and Religious Studies group
- At least one 3-credit course at the 300 level or above from the Social, Political, and Historical Studies group
- One 3 credit course (or course equivalent) at any level
- Three additional 3-credit courses at the 300 level or above, at least one of which must be at the 400 level.

See the [India Studies website](#) for a listing of courses in each group.

At the discretion of the Director, a student may receive credit for course work taken under the auspices of a Study Abroad program. Students wishing to receive such credit should consult their academic advisor and the Director of India Studies. Other IU course work that involves a significant amount of work related to India/South Asia, but without an India Studies designation, may also be applied to these requirements at the discretion of the Director. Students wishing to receive such credit should consult their academic advisor and the Director of India Studies.

Students must also complete the degree requirements of the College of Arts and Sciences.

## **Certificate in India Studies**

#### **Required Courses**

The undergraduate Certificate in India Studies requires 24 credit hours, including the following:

1. I100 Introduction to India (the core course for India studies);
2. Two courses each from the three areas of specialized work in India studies (i.e., two courses from the Literary and Performance Studies group, two courses from the Philosophical and Religious Studies group, and two courses from the Social, Political, and Historical Studies group);
3. The remainder of the units will come from interdisciplinary electives in any of the areas of specialization.

See the India Studies Advising Office, 825 E. Eighth Street, for a listing of courses in each area of specialization.

Of the total 24 credit hours, at least 15 credit hours must be taken from courses at the 300 level or above.

It should be noted that, under certain circumstances, other courses that include some aspect of the study of India may, by special arrangement and with the permission of the director of the India Studies Program, be counted toward the certificate program. The first two years of language instruction in Hindi or Sanskrit, however, do not count toward completion of the certificate.

Only four courses from a student's major may be double-counted toward the Certificate in India Studies.

The India Studies Program encourages work in elementary, intermediate, and advanced Hindi and Sanskrit. All students in the certificate program are strongly urged to study either Hindi or Sanskrit (and preferably both) and to begin the study of the languages at the earliest possible opportunity. Students in the program

should also consider the possibility of studying in India and should consult about this possibility with the Office of Overseas Study, Franklin Hall 303, (812) 855-9304 ([www.indiana.edu/~overseas](http://www.indiana.edu/~overseas)). India also has a rich English-medium cultural tradition (in such areas as Indo-British literature, drama, and Third World studies, among others), so students may choose to focus their work on these English language traditions.

## Minor in India Studies

### Required Courses

15 credit hours, chosen in consultation with the undergraduate advisor, including:

1. The India Studies "core course"
2. At least one course from the Literary and Performance Studies group.
3. At least one course from the Philosophical and Religious Studies group.
4. At least one course from the Social, Political, and Historical Studies group.
5. No more than 6 credit hours of course work may be taken at the 100 level.
6. At least 9 credit hours must be taken at the 300 level or above.

In consultation with the undergraduate advisor, two semesters of intermediate language course work may be substituted for one of the requirements listed above (with the exception of the "core course" which is required of all students).

Only two courses from a student's major may be counted toward the India Studies minor.

All students in the minor program are strongly urged to study an Indic language at the earliest possible opportunity. India also has a rich English-medium cultural tradition (in such areas as literature, drama, and Third World studies, among others), so students may choose to focus their work on these English language traditions.

## Overseas Study

Students in the program should also consider the possibility of studying in India and should consult with the director about opportunities, and with the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304.

## Course Descriptions

**INST-B 100 Introductory Bengali I (5 cr.)** Basic sound patterns and writing system with ideas about grammar. Ideas about simple sentence structure and basic grammar leading to reading and construction of short sentences. Learning essential vocabulary for everyday conversation. Practicing different expressions: apology, greeting, etc. Classroom use of films, tapes, short conversation, stories, etc.

**INST-B 150 Introductory Bengali II (5 cr.)** P: B100 or equivalent proficiency. Exercises in basic grammar and sentence structure. Emphasis on learning new words, composing short dialogues, and using them in everyday conversation by developing basic reading skills and understanding main ideas from texts.

**INST-B 200 Intermediate Bengali I (3 cr.)** P: B150 or equivalent proficiency. Focuses on listening, speaking, reading, and writing. Special emphasis given to communicative approach to language learning.

**INST-B 250 Intermediate Bengali II (3 cr.)** P: B200 or equivalent proficiency. Focus given to listening, speaking, reading, and writing. Emphasis given to communicative approach to language learning.

**INST-B 300 Advanced Bengali I (3 cr.)** P: B250 or equivalent proficiency. Development of higher level linguistic functions in Bengali in the four skills of reading, writing, speaking and listening. Cultural literacy is enhanced through interaction with native speakers and the use of authentic media and literature. Culminates with a research paper in Bengali. Conducted entirely in Bengali.

**INST-B 350 Advanced Bengali II (3 cr.)** P: B300 or equivalent proficiency. Continues the refinement of language skills from B300. Culminates with a research paper in Bengali. Conducted entirely in Bengali.

**INST-H 100 Beginning Hindi I (5 cr.)** Introduction to the Hindi language, the writing system and basic grammar. Graded exercises and readings leading to mastery of grammatical structures and essential vocabulary. Development of reading and writing competence and simple conversations based on personal information, courtesy expressions, greetings in contemporary Hindi. Classroom use of stories, tapes, films and songs.

**INST-H 150 Beginning Hindi II (5 cr.)** P: H100 or equivalent proficiency. Continuation of the first semester. Graded exercises and reading for mastery of grammatical structures and essential vocabulary. Composing short dialogues on everyday survival topics. Improve reading skill to understand main ideas from the simplest connected texts. Writing competence is increased to be able to write letters and journals, etc.

**INST-H 200 Second-Year Hindi I (4 cr.)** P: H150 or equivalent proficiency. Reading mythology, folklore, modern short stories, essays and poetry, including several examples from Hindi literature. Students compose and perform dialogues based on the material read and the usage of role playing cards.

**INST-H 250 Second-Year Hindi II (4 cr.)** P: H200 or equivalent proficiency. Promotes rapid reading skills and vocabulary building. Study of grammar is based on Hindi reading material and includes regular grammar drills. Students sharpen composition skills by retelling stories and making brief synopses from the reading material orally and in writing. Increase speaking skill to narrate and describe with short connected discourse.

**INST-H 300 Advanced Hindi I (3 cr.)** P: H250 or equivalent proficiency. Development of higher level linguistic functions in Hindi in the four skills of reading, writing, speaking and listening. Cultural literacy is enhanced through interaction with native speakers and the use of authentic media and literature. Culminates with a research paper in Hindi. Conducted entirely in Hindi.

**INST-H 350 Advanced Hindi II (3 cr.)** P: H300 or equivalent proficiency. Continues the refinement of language skills from H300. Culminates with a research paper in Hindi. Conducted entirely in Hindi.

**INST-I 100 Introduction to India (3 cr.) CASE S&H, CASE GCC** Basic cultural literacy in India Studies through critical reading/lectures from India Studies faculty/film/discussion to discover what makes India the world power it is today, and why we need to know more about it, from its bloody birth in Partition to her ancient history and back to contemporary India.

**INST-I 211 Introduction to South Asian History (3 cr.) CASE S&H, CASE GCC** South Asia today encompasses India, Pakistan, Bangladesh, Afghanistan, Nepal, Bhutan, and Sri Lanka. Introduction to some of the principal historical themes and cultural features of this diverse region from the Neolithic era to the present day.

**INST-I 212 The Civilization of Tibet (3 cr.) CASE S&H, CASE GCC** Introduction to the diverse aspects of Tibetan civilization. Topics include Tibet's literature, art, religion, society, history, and language. Credit given for only one of INST-I 212, CEUS-R 270 or CEUS-U 284.

**INST-I 303 Issues in Indian Culture and Society (3 cr.)** Examination of the culture and society of India through the study and analysis of a specific issue or theme. Topic varies. May be repeated with a different topic for a maximum of 6 credit hours.

**INST-I 305 Exploring Indian Languages and Literature through Film (3 cr.) CASE A&H, CASE GCC** Explores the languages of India from genealogical, linguistic, typological, historical, and sociological perspectives. Provides an overview of literatures of several main South Asian languages with a focus on Hindi and Urdu literatures. No previous knowledge of Hindi or Urdu is required.

**INST-I 320 Contemporary India: History, Politics, and Society (3 cr.) CASE S&H, CASE GCC** Critical survey of social, economic, and political trends in modern India (1947–present), primarily through the study of relevant novels. Lectures and readings provide students with knowledge of modern Indian history and politics, caste and class relations, the evolution of India's political institutions since independence, and current debates in Indian society.

**INST-I 330 Issues in Indian Culture and Society (1-3 cr.)** Examination of the culture and society of the Indian subcontinent through the study and analysis of a specific issue or theme. Topic varies. May be repeated with a different topic for a maximum of 3 credit hours.

**INST-I 347 Meditation Traditions of India (3 cr.) CASE A&H, CASE GCC** Survey and analysis of the practice of meditation in Hindu, Buddhist and Jain traditions of India. Focus on the philosophical and structural basis of meditation and the relation of meditation to the monastic traditions of India. The role of the holy person and the importance of the guru-student relationship.

**INST-I 362 International Relations of South Asia (3 cr.) CASE S&H** Focuses on terrorism, nuclear proliferation, inter-state war and ethnic conflict in South Asia as these issues relate to American foreign and security policy.

**INST-I 368 Philosophies of India (3 cr.) CASE A&H, CASE GCC** Historical and critical-analytic survey of the major intellectual traditions of the cultures and civilizations of India. Attention to early philosophizing and the emergence of the classical schools in Hindu, Buddhist,

and Jain traditions. Attention also to contemporary thought in India, including critical theory and subaltern theorizing. Credit given for only one of INST-I 368, PHIL-P 328, or REL-R 368.

**INST-I 370 Literature of India in Translation: Ancient and Classical (3 cr.) CASE A&H, CASE GCC** Survey of the ancient and classical Sanskrit literature of India in translation, presented in cultural context.

**INST-I 371 Medieval Devotional Literatures of India (in Translation) (3 cr.) CASE A&H, CASE GCC** Survey of medieval Indian devotional literatures with reference to the various cultural milieus in which they were produced and their impact on and importance for contemporary Indian cultures.

**INST-I 380 Women in South Asian Religious Traditions (3 cr.) CASE A&H, CASE GCC** A historical view of the officially sanctioned roles for women in several religious traditions in South Asia, and women's efforts to become agents and participants in the religious expressions of their own lives. Credit given for only one of I380, REL B330, or REL R382.

**INST-I 402 Introduction to the History of Tibet (3 cr.) CASE S&H, CASE GCC** Surveys Tibet's history from its earliest period through the present, including the Tibetan empire of the seventh through ninth centuries, the impact of Buddhism on political and social structures, Tibet's relations with neighboring peoples, the development of the Dalai Lama's government, and the current issues of Tibet.

**INST-I 412 Criminal Justice in India (3 cr.)** Presents an overview of the Indian criminal justice system, issues related to crime, and its control mechanism in the country. Topics include Indian history, system of government, constitution, court system, police, corrections, and the phenomenon of crime.

**INST-I 414 India: Lost and Found in Translation (3 cr.)** An ethnographic approach to international fictional films produced in recent decades that treat both the political/public and domestic/private spheres of Indian life as sites that invite cultural critique and debate over the success of India as a modern and modernizing nation.

**INST-I 496 Individual Readings in Indic Studies (1-6 cr.) P:** Reading knowledge of Sanskrit and Hindi. Selected substantive topics investigated from ancient, medieval, and modern texts about the civilization of India. May be repeated with different topics for a maximum of 6 credit hours.

**INST-L 100 Elementary Indian Languages I (5 cr.)** Language instruction in the specific Indian language named in the online *Schedule of Classes*. Various languages will be offered when available. May be retaken for credit, but only in a language different from that of the first enrollment.

**INST-L 150 Elementary Indian Languages II (5 cr.) P:** L100 or equivalent proficiency in the same language. Various languages will be offered when available. May be retaken for credit, but only in a language different from that of the first enrollment.

**INST-L 200 Intermediate Indian Languages I (3 cr.) P:** L150 or equivalent in the same language. Language instruction in the specific Indian language named in the

*Schedule of Classes.* Various languages will be offered when available. These courses may be retaken for credit, but only in a language different from that of the first enrollment.

**INST-L 250 Intermediate Indian Languages II (3 cr.)**

P: L200 or equivalent in the same language. Language instruction in the specific Indian language named in the *Schedule of Classes*. Various languages will be offered when available. These courses may be retaken for credit, but only in a language different from that of the first enrollment.

**INST-M 100 Elementary Hindi/Urdu (5 cr.)** P: Knowledge of at least one of two scripts, Devanagari and Nastaliq. Provides the building blocks for a working knowledge of modern standard Hindi-Urdu using reading, writing, speaking, listening and cultural literacy. Activities include participation in everyday conversations; learning popular Bollywood songs; reading stories; watching Hindi-Urdu movie clips; writing diaries, letters, poems and essays.

**INST-M 150 Elementary Hindi/Urdu II (5 cr.)** P: M100 or equivalent proficiency. Builds on M100 to provide students with the building blocks for a multifaceted working knowledge of modern standard Hindi-Urdu using the four skills (reading, writing, speaking, listening) and cultural literacy. Students participate in everyday conversations, learn popular Bollywood songs, read stories, watch Hindi-Urdu movie clips and poems, and write diaries, letters, and essays.

**INST-S 100 Elementary Sanskrit I (5 cr.)** Introduction to Sanskrit, a classical language of ancient India. Students master the script and begin to learn grammar as they read simple material and gain vocabulary. Credit given for only one of S100 or I339.

**INST-S 150 Elementary Sanskrit II (5 cr.)** P: S100 or I339. Continues the work begun in S100. Students acquire grammar needed to read authentic texts, with attention to reading increasingly difficult materials. Credit given for only one of S150 or I340.

**INST-S 200 Intermediate Sanskrit I (4 cr.)** P: S150 or I340 or permission of instructor. Comprehensive review of Sanskrit grammar followed by the reading of epic Sanskrit. Texts allow students to explore issues of syntax and changes in the language over time. Credit given for only one of S200 or I349.

**INST-S 250 Intermediate Sanskrit II (4 cr.)** P: S200 or I349 or permission of instructor. Development of reading skills with a broadening range of materials, including Vedic Sanskrit. Credit given for only one of S250 or I350.

**INST-U 100 Beginning Urdu I (5 cr.)** Introduction to the Urdu language and basic grammar. Graded exercises and readings leading to mastery of grammatical structures and essential vocabulary. Simple conversations based on personal information, courtesy expressions, and greetings in contemporary Urdu. Classroom use of stories, tapes, films and songs.

**INST-U 150 Beginning Urdu II (5 cr.)** P: U100 or equivalent proficiency. Continuation of the first semester. The writing system of Urdu and development of reading and writing. Graded exercises and reading for mastery

of grammatical structures and essential vocabulary. Composing short dialogues on everyday survival topics.

**INST-U 200 Second-Year Urdu I (3 cr.)** P: U150 or equivalent proficiency. Urdu short stories, essays, poetry (gazals), dramas, newspapers and magazine articles, etc. will be utilized for reading. Initiate basic communicative tasks related to daily activities and various situations.

**INST-U 250 Second-Year Urdu II (3 cr.)** P: U200 or equivalent proficiency. Promotes rapid reading skills and vocabulary building. Study of grammar is based on Urdu reading material and includes regular grammar drills. Students sharpen composition skills by retelling stories from the reading material orally and in writing. Increase speaking skill to initiate, sustain, and close a general conversation on a range of topics.

**INST-U 300 Advanced Urdu I (3 cr.)** P: U250 or equivalent proficiency. Development of higher level linguistic functions in Urdu in the four skills of reading, writing, speaking and listening. Cultural literacy is enhanced through interaction with native speakers and the use of authentic media and literature. Culminates with a research paper in Urdu. Conducted entirely in Urdu.

**INST-U 350 Advanced Urdu II (3 cr.)** P: U300 or equivalent proficiency. Continues the refinement of language skills from U300. Culminates with a research paper in Urdu. Conducted entirely in Urdu.

## Cross-Listed Courses

### Central Eurasian Studies

- CEUS-R 371 Tibet and the West (3 cr.) **CASE S&H, CASE GCC**

### Communication and Culture

- CMCL-C 398 National Cinema (3 cr.) **CASE A&H**
- CMCL-C 413 Global Villages (3 cr.) **CASE S&H**
- CMCL-C 414 Topics in Performance and Culture (3 cr.) **CASE A&H** Topic: India, Lost and Found in Translation

### English

- ENG-L 383 Studies in British or Commonwealth Culture (3 cr.) **CASE A&H** (with appropriate focus approved by director)

### History

- HIST-G 350 Modern South Asia: Eighteenth to Twentieth Century (3 cr.) **CASE S&H, CASE GCC**
- HIST-H 238 Introduction to South Asian History and Civilization (3 cr.) **CASE S&H, CASE GCC**
- HIST-J 300 Seminar in History (3 cr.) **CASE S&H** (with appropriate focus approved by director)

### Political Science

- POLS-Y 256 South Asian Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 362 International Politics of Selected Regions (3 cr.) **CASE S&H** Topic: International Relations of South Asia

### Religious Studies

- REL-R 153 Religions of Asia (3 cr.) **CASE A&H, CASE GCC**
- REL-B 210 Introduction to Buddhism (3 cr.) **CASE A&H, CASE GCC**

- REL-B 220 Introduction to Hinduism (3 cr.) **CASE A&H, CASE GCC**
- REL-B 320 Hindu Goddesses (3 cr.) **CASE A&H, CASE GCC**
- REL-B 335 Bollywood and Beyond: Religion in South Asian Film (3 cr.) **CASE A&H, CASE GCC**
- REL-B 420 Topics in Hindu Religions (3 cr.) **CASE A&H, CASE GCC**
- REL-D 375 Religion and Literature in Asia (3 cr.) **CASE A&H, CASE GCC**

#### Theatre, Drama and Contemporary Dance

- THTR-T 468 Asian Performance (3 cr.) **CASE A&H, CASE GCC** (with appropriate focus approved by director)

By special arrangement and with the permission of the director, courses not listed above that substantially address India Studies may be included in the minor.

## Individualized Major Program

### Introduction

The Individualized Major Program (IMP) is an interdisciplinary program resulting in a B.A. from the College of Arts and Sciences. The IMP facilitates the creation of student-designed interdisciplinary majors whose primary emphasis is in the liberal arts. The IMP allows students with interests that cross traditional departmental and disciplinary boundaries to combine those interests in coherent and meaningful ways, building upon—and using in new ways—the resources available in the College, and bringing in expertise from the professional schools as needed.

The IMP also offers an Individualized Minor that allows students to define and pursue a cluster of courses that falls outside the standard curriculum and combine them in a transcriptable minor. This option may appeal to students with conventional majors across the campus, and it can also allow students to form their course work associated with the College's annual Themester into a coherent program.

### Contact Information

Individualized Major Program  
Indiana University  
129 Ballantine Hall  
Bloomington, IN 47405

(812) 855-9588  
[imp@indiana.edu](mailto:imp@indiana.edu)

[www.indiana.edu/~imp](http://www.indiana.edu/~imp)

## Faculty

### Director

- Associate Professor Nicholas Williams (English)

### Assistant Director

- Paul Aarstad, Ballantine Hall 129, (812) 855-9588, [imp@indiana.edu](mailto:imp@indiana.edu)

## Individualized Major

Students develop majors in consultation with faculty sponsors and propose them to committees of two faculty members selected from the IMP's Faculty Committee (IMPFC). The IMPFC is responsible for ensuring that individualized majors are distinct from fields of study available in existing degrees and majors and that they conform to College and university standards of breadth, depth, and rigor. Approved majors normally combine courses from two or more College departments, and, as needed, from the professional schools, with independent and self-directed work. In addition to granting admission to the program, faculty committees work with sponsors to monitor students' progress, evaluate theses or projects, and administer final oral reviews. Each IMP major will include at least 18 credit hours of 300–400 level course work. Students in the IMP must fulfill the College requirements for the B.A. degree.

Students are eligible to apply for admission to the IMP after completing one IU semester with a GPA of 2.500 or higher, but they cannot be accepted to the IMP until they have been admitted to the College. Formal requirements for admission are otherwise the same as those for the College. Students who do not meet the GPA requirement, but who feel that their past grades do not accurately reflect their potential for success in the IMP, may request permission from the IMP director to go through the application process. Such permission allows the applicant, like other applicants, to present his or her case to an admission committee, but does not, of course, guarantee that the student will be accepted into the IMP. Students of any class standing or level of interest in the IMP are encouraged to meet with the Assistant Director and may arrange a meeting by calling (812) 855-9588 or e-mailing [imp@indiana.edu](mailto:imp@indiana.edu).

IMP students are eligible to take a second major in another department if the course credit is separate and distinct from the IMP concentration. Students in the IMP may graduate with honors if their GPA meets College honors standards and if their project work is deemed of honors quality by the IMP review committee.

## Individualized Minor

The Individualized Major Program now offers students the opportunity to create a 15 credit hour minor on topics not otherwise available at IU. The minor may be connected with the College's annual [Themester](#) or colloquia offered through IU's centers and institutes, or on any subject for which the student is able to make a compelling case. Minors are approved by a committee of faculty based on an application and an essay in which the applicant answers the following questions:

- Does the minor resemble others that are regularly offered at IU Bloomington? If so, how is the proposed IMP minor different from others it may resemble?
- What is the principle of coherence unifying courses for the minor?
- What do you hope to learn from completing this minor?
- How does the minor complement your major? Is there a close thematic connection? Does it address an interest not otherwise reflected in your degree?

Minors must include 9 credit hours of course work at the 300-400 level and adhere to the following guidelines:

- Individualized minors may include no more than two courses that are completed at the time the student applies.
- No more than two courses from a single department or administrative unit can count in an individualized minor.
- No more than three hours of internship and three hours of independent study courses may count in the minor.
- Only one course from the individualized minor can count toward other degree objectives including majors, other minors, or certificates.
- The individualized minor must include at least 9 credit hours of course work inside the College.

Interested students should meet with the IMP assistant director to discuss the viability of their ideas. Applications are accepted once per semester. The application, instructions, and application deadlines are available on the [IMP website](#).

Students pursuing a major in the Individualized Major Program are not eligible for the individualized minor. Students pursuing an individualized minor may later choose to apply for an individualized major in the same subject or a different subject. In either case, the minor will be dropped upon admission to the major.

## Course Descriptions

**IMP-I 360 Individualized Major Program, Readings and Research (regular grading) (1-3 cr.)** P: Admission to Individualized Major Program. Individual instruction varies but must be directly applicable to a student's chosen IMP major. Each enrollment is subject to IMP approval. Regular grading. May be repeated for credit.

**IMP-I 450 Individualized Major Program Internship (1-6 cr.)** P: Admission to Individualized Major Program. Internship experience related to the student's individualized major. Internship details (supervisor's name and contact information, duties, hours per week, length of internship) must be provided by the prospective intern and confirmed by IMP prior to enrollment. Weekly written updates required. S/F grading.

**IMP-I 460 Individualized Major Program, Readings and Research (1-15 cr.)** P: Admission to Individualized Major Program. Individual instruction varies but must be directly applicable to a student's chosen IMP major. Each enrollment is subject to IMP approval. A minimum enrollment of 3 credit hours required for the final project. Regular grading. May be repeated for credit.

**IMP-I 470 Individualized Major Program Senior Writing Workshop (1 cr.)** P: Admission to Individualized Major Program. Through presentations and discussion, students prepare final projects for oral review with faculty committees. Students refine retrospective statements through peer-editing and conferences with instructor.

# International Studies

## Introduction

Both the B.A. and the B.S. in International Studies (INTL) provide an intellectual foundation that enables students to communicate, collaborate, and work across national, cultural, linguistic, and socioeconomic boundaries. By incorporating extensive foreign language study and mandating an overseas experience, these degrees foster competencies that students need in order to function successfully in a global environment.

The majors are broadly constructed to allow flexibility as well as depth and breadth of regional and thematic knowledge. Students explore the majors by taking two introductory courses chosen from the following thematic concentrations: Global Health and Environment; Global Development; Human Rights and International Law; International Communication and the Arts; Identity and Conflict; and Diplomacy, Security, Governance. They are also required to complete 300- and 400-level courses that focus directly on their chosen thematic concentration.

Students must choose a regional concentration area with the approval of the departmental advisor. This area can be perceived in one of two ways (students must select one):

1. An area defined geographically (either broadly defined, such as the Pacific Rim, or with a concentrated focus, such as Egypt or Germany); **or**
2. An area defined linguistically, religiously and/or ethnically (such as the Jewish diaspora) outside the United States.

Optimally, the regional concentration chosen will relate to the student's foreign language study.

Information on the Certificate in Islamic Studies administered by International Studies can be found at Islamic Studies.

International Studies is affiliated with the new [School of Global and International Studies \(SGIS\)](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

## Contact Information

International Studies  
Indiana University  
Woodburn Hall 300  
1100 E. Seventh Street  
Bloomington, IN 47405-7110

(812) 856-1816  
[intl@indiana.edu](mailto:intl@indiana.edu)

[www.indiana.edu/~intlweb](http://www.indiana.edu/~intlweb)

## Faculty

### Chairperson

- William Rasch (International Studies, Germanic Studies)

### Professors

- Nick Cullather (History)
- Stephanie Kane
- Padraig Kenney (History, Polish Studies Center, Russian and East European Institute)
- William Rasch (Germanic Studies)

### Associate Professors

- Purnima Bose (English)
- Gardner Bovingdon (Central Eurasian Studies)
- Stephanie DeBoer (Communication and Culture)
- Hamid Ekbia (School of Informatics and Computing, Cognitive Science)
- L. Shane Greene (Anthropology)
- Michael Muehlenbein (Anthropology)
- Philip Parnell
- Ron Sela (Central Eurasian Studies)

### Assistant Professors

- Keera Allendorf (Sociology)
- Margaret Graves (Fine Arts—History)
- Nur Amali Ibrahim (Religious Studies)
- Jessica Steinberg

### Professors of Practice

- Gene Coyle (School of Global and International Studies)
- Feisal Istrabadi (Center for the Study of the Middle East, Maurer School of Law)

### Senior Lecturer

- Hilary Kahn (Center for the Study of Global Change)
- Peter Nemes

### Lecturer

- Nicole Kousaleos

### Director of Undergraduate Studies

- Olga Kalentzidou

### Academic Advising

- Emily Williams, Woodburn Hall 332, (812) 856-1816

## Major in International Studies—B.A.

### Required Courses

Students must complete a minimum of 41 credit hours including the following:

1. Two core courses chosen from I202–I210; one of the two must introduce the chosen thematic concentration (6 cr.).
2. Four courses (at least 12 credit hours) at the 300–400 level (excluding I400, I405, I406 and I498). Two 300-level courses must be in the student's chosen thematic concentration; the remaining two 300-level or 400-level courses may be chosen from International Studies courses, regardless of thematic concentration.
3. I315. Completion of I315 before the overseas experience is strongly recommended.
4. I400 or I406 (3 cr.).

5. Three courses (at least 9 credit hours) at the 300–400 level from a regional concentration area, taken outside of International Studies.
6. Foreign language proficiency (at least 6 credit hours) beyond the College's general requirement for B.A. degrees. Students may pursue the study of a single foreign language through six semesters; they may study one foreign language through four semesters and study a second foreign language through two semesters; or they may study one foreign language through four semesters, study the first semester of a second foreign language, and study the first semester of a third foreign language. Non-native speakers of English may petition International Studies for exemption from third-year language study. See advisor for details about procedure and necessary documentation.
7. An overseas experience (study or internship, INTL-I 498) of at least 6 weeks duration, approved in advance by International Studies.
8. ASCS-Q 299 College to Career III: Market Yourself for the Job and Internship Search (2 cr.).
9. An approved outside minor, ideally related to the chosen thematic or regional concentration.

**Note:** Students may need more than 41 credit hours to complete the overseas/international experience requirement.

Students must also complete the degree requirements of the College of Arts and Sciences.

## Major in International Studies—B.S.

### Introduction

The B.S. in International Studies trains students to demonstrate knowledge of international and global issues through a humanities and social sciences lens with greater emphasis on quantitative reasoning. Students will engage in debates about global citizenship and evaluate the historical context of current political, economic, cultural, health, and environmental decisions.

### General Requirements

Students must complete the following Foundations, Intensive Writing, Foreign Language, Critical Approaches, and Breadth of Inquiry requirements:

1. Writing: same as the general requirements for the B.A. degree (English Composition, Intensive Writing).
2. Foreign language: fulfilled by major.
3. Mathematics: one of MATH-M 118, M119, or M211.
4. Arts and humanities: four courses.
5. Social and historical studies: four courses.
6. Natural and mathematical sciences: four courses. Must include at least one Natural Science course in fulfillment of the General Education curriculum.
7. Critical Approaches: one course.
8. Culture Studies: one course from CASE DUS.
9. Culture Studies: one course from CASE GCC.
10. Public Oral Communication: same as the general requirements for the B.A.

### **International Studies B.S. Requirements**

Students must complete all requirements for the B.A. in International Studies and additional economics and quantitative requirements for a total of 50 credit hours:

1. Two core courses chosen from I202–I210; one of the two must introduce the chosen thematic concentration (6 cr.).
2. Four courses (at least 12 credit hours) at the 300–400 level (excluding I400, I405, I406 and I498). Two I300-level courses must be in the student's chosen thematic concentration; the remaining two 300-level or 400-level courses may be chosen from International Studies courses, regardless of thematic concentration.
3. In addition to the requirements in 2 above, students must complete I315 (3 cr.). Completion of I315 before the overseas experience is strongly recommended.
4. I400 or I406 (3 cr.).
5. Three courses (at least 9 credit hours) at the 300–400 level from a regional concentration area, taken outside of International Studies.
6. Foreign language proficiency of two semesters (at least 6 credit hours) beyond the College's general requirement for B.A. degrees. Students may pursue the study of a single foreign language through six semesters; they may study one foreign language through four semesters and study a second foreign language through two semesters; or they may study one foreign language through four semesters, study the first semester of a second foreign language, and study the first semester of a third foreign language. Non-native speakers of English may petition International Studies for exemption from third-year language study. See advisor for details about procedure and necessary documentation.
7. An overseas experience (study or internship, INTL-I 498) of at least 6 weeks duration, approved in advance by International Studies.
8. ASCS-Q 299 College to Career III: Market Yourself for the Job and Internship Search (2 cr.).
9. An approved outside minor, in a relevant social or natural science field emphasizing quantitative reasoning and preferably related to the thematic concentration.

### **Additional Requirements for the B.S.**

1. ECON-E 201 Introduction to Microeconomics.
2. ECON-E 203 Introduction to International Economics (or approved equivalent).
3. An approved quantitative reasoning course.

Note: The additional requirements (economics and quantitative reasoning) in 1–2 above may be included in the required minor and may count for both.

Students must also complete all requirements for a degree in the College of Arts and Sciences.

### **Minor in International Studies**

Students should develop their minor in consultation with the International Studies academic advisor and their departmental advisors in their majors.

### **Required Courses**

The minor comprises at least 15 credit hours of College of Arts and Sciences course work including the following:

1. I100 or I220 (3 credit hours).
2. Students must choose one thematic concentration in which they wish to focus and must take the International Studies introductory-level course for that particular concentration (3 credit hours). Students may choose from the following thematic concentrations:
  - Global Health and Environment
  - Global Development
  - Human Rights and International Law
  - International Communication and the Arts
  - Identity and Conflict
  - Diplomacy, Security, Governance
3. Students must complete a minimum of three International Studies courses at the 300–400 level (9 credit hours), excluding I400, I405, I406 and I498. One of these courses must be a 300-level course in the student's chosen thematic concentration.

### **Honors Track**

#### **Requirements**

Outstanding students majoring in International Studies who are interested in departmental honors should submit an application form to the director no later than the second semester of the junior year. To be eligible for the honors track, a student must first complete 15 credit hours in the International Studies major.

The student must have and maintain a grade point average of at least 3.500 in the major and 3.300 overall. Before submitting the application, the student should identify a tentative thesis topic and also identify an honors thesis director, who will advise the student during research and writing. The director of International Studies will provide guidance with this process, if needed. While taking required course work, students will research and write an honors thesis or produce an in-depth creative project that integrates the student's thematic and regional concentration course work and international experience in either a substantive original paper or performance, as appropriate. The thesis or project must be defended before an International Studies honors committee and must merit a grade of A– or higher.

In summary, students must:

- maintain a 3.500 GPA in International Studies course work
- maintain a 3.300 GPA overall
- complete all requirements for the major and degree
- apply for departmental honors no later than the second semester of the junior year
- take I406 Honors International Studies Capstone Seminar
- research, write, and defend an honors thesis or complete an in-depth creative project which merits an A– or higher

### **Overseas Study**

Students who major in International Studies are required to have an international experience to graduate. The typical way to fulfill this requirement is to study abroad.

Indiana University overseas study programs allow International Studies students to make progress toward their degrees and apply financial aid to program fees.

For information about study abroad, contact the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 South Jordan Avenue, (812) 855-9304.

## Course Descriptions

**INTL-I 100 Introduction to International Studies (3 cr.)**  
**CASE S&H** This introductory, interdisciplinary course exposes students to the various academic approaches essential to international studies and to the various concentrations that comprise the major.

**INTL-I 202 Global Health and Environment (3 cr.)**  
**CASE S&H** Examination of pressing health and environmental challenges around the world, such as deforestation, climate change and the spread of infectious diseases. Focuses on the interaction of health and environmental problems that cross national borders and require a multinational or global effort to solve.

**INTL-I 203 Global Development (3 cr.)** **CASE S&H**  
Focuses on the interaction between social, political, and economic forces and human development at global, national, and subnational scales; introduces theoretical perspectives on economic development and the function of markets.

**INTL-I 204 Human Rights and International Law (3 cr.)**  
**CASE S&H** Focuses on human rights discourse and the role international law, treaties and conventions play in addressing these rights globally. Course is interdisciplinary in theory and method.

**INTL-I 205 International Communication and the Arts (3 cr.)** **CASE S&H** Focuses on the circulation of ideas, images and artistic expressions across national borders as means of interpersonal and cultural forms of communication. Examines communication as a process governed by culture-specific and institution-specific rules.

**INTL-I 206 Identity and Conflict (3 cr.)** **CASE S&H**  
Examines concepts of nationalism and state ideology that shape the world's collective identities and contribute to conflicts nationally and internationally.

**INTL-I 210 Diplomacy, Security, Governance (3 cr.)**  
**CASE S&H** Examines the development of the modern state and the role of international organizations in maintaining global security and promoting global governance. Addresses issues of political and cultural diplomacy and their effect in international disputes.

**INTL-I 220 Global Connections (3 cr.)** **CASE A&H, GCC** Focuses on globalization as manifested in the shaping of intercultural communication, artistic expressions, collective identities and human rights discourses from comparative and international perspectives.

**INTL-I 300 Topics in International Studies (1-3 cr.)**  
This course focuses on the intensive study and analysis of selected international problems and issues within an interdisciplinary format. Topics will vary but will cut across fields, regions, and periods. May be repeated with different topics for a maximum of 6 credit hours.

**INTL-I 302 Advanced Topics in Global Health and Environment (3 cr.)** Advanced topics examining pressing health and environmental challenges around the world. Focuses on the interaction of health and environmental problems that cross national borders and require a multinational or global effort to solve. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 303 Advanced Topics in Global Development (3 cr.)** Advanced topics examining the interaction between social, political, and economic forces and human development at global, national, and subnational scales; in-depth analysis of theoretical perspectives on economic development and the function of markets. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 304 Advanced Topics in Human Rights and International Law (3 cr.)** Advanced topics focusing on human rights discourse and the role international law, treaties and conventions play in addressing these rights globally. Topics are interdisciplinary in theory and method. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 305 Advanced Topics in International Communication and the Arts (3 cr.)** Advanced topics focusing on the circulation of ideas, images and artistic expressions across national borders as means of interpersonal and cultural forms of communication. Examines communication as a process governed by culture-specific and institution-specific rules. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 306 Advanced Topics in Identity and Conflict (3 cr.)** Advanced topics examining concepts of nationalism and state ideology that shape the world's collective identities and contribute to conflicts nationally and internationally. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 310 Advanced Topics in Diplomacy, Security, Governance (3 cr.)** Advanced topics focusing on the development of the modern state and the role of international organizations in maintaining global security and promoting global governance. Addresses issues of political and cultural diplomacy and their effect in international disputes. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 315 Research Design in International Studies (3 cr.)** Introduction to research design and methodology used in international studies. Completion before the major's overseas/international experience is strongly recommended.

**INTL-I 325 International Issues through Foreign Languages (1 cr.)** This seminar will examine an international issue through a foreign perspective. Course readings and discussions will be conducted in a foreign language at an advanced level. The seminar's objective is to expose participants to global problems utilizing no-U.S. sources.

**INTL-I 400 International Studies Capstone Seminar (3 cr.)** P: I315. This required seminar is designed for majors who have completed all of the program requirements to consolidate their studies. Students

complete a project that addresses an issue appropriate to their track.

**INTL-I 405 Honors Individual Readings in International Studies (3 cr.)** P: Application and approval of program director. Students pursuing departmental honors conduct research in preparation for their honors capstone seminar. May not be repeated for credit.

**INTL-I 406 Honors International Studies Capstone Seminar (3 cr.)** P: I315, application, and approval of department. Required for departmental honors credit, this seminar is designed to consolidate the studies of honors-track seniors who have completed all International Studies degree requirements. Students must complete a project that addresses an issue appropriate to their concentration.

**INTL-I 415 Individual Readings in International Studies (1-3 cr.)** P: Major or minor in International Studies, application, and approval of department. Students conduct individual research projects on an international issue under the direction of a faculty member. Student and faculty member should develop a project and submit a "contract" to the department for approval. May repeat I415 or take any combination of I415 and I405 for a maximum of 6 credit hours.

**INTL-I 421 Human Rights and the Arts (3 cr.)** Study of human rights through the arts. Exploration of artistic expressions in various sociopolitical contexts and the global trends from which they emerge. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 422 Contested Territories/Conflicted Identities (3 cr.)** Study of nationalism to explore how history, politics and culture conflict and converge in shaping multiple identities. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 423 Postcolonial/Postcommunist Discourses (3 cr.)** Study of emergence and use of postcolonial and postcommunist theories to analyze colonial and communist discourses as well as their political and cultural legacies. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 424 War and Peace (3 cr.)** Exploration of war and peace with regard to their political, moral and legal consequences. Study of structures that adjudicate disputes and the role of international organizations in regulating war and initiating peace. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 425 Gender: International Perspectives (3 cr.)** Examination of gender issues from international and interdisciplinary perspectives. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 426 Advanced Topics in International Studies (3 cr.)** In-depth study and analysis of an international problem, culminating in a research project. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 430 Research in International Studies (1-3 cr.)** P: Major or minor in International Studies and permission of department. Overseas faculty-directed research in international studies.

**INTL-I 435 Topics with Service Learning in International Studies (3 cr.)** Examines issues of

international scope through service learning projects. Content varies with instructor. May be repeated with a different topic for a maximum of 6 credit hours.

**INTL-I 498 Internship in International Studies (1-3 cr.)** P: Approval of department. Provides students with an opportunity to receive academic credit for a part-time or full-time internship experience within the U.S. or overseas. Allows students to apply the knowledge gained through course work in International Studies to the work world, thereby developing additional knowledge and skills and exposing them to professional career options. May be repeated for a maximum of 6 credit hours.

**INTL-I 499 Seminar in Conflict Studies (1-3 cr.)** Study and analysis of conflicts and conflict resolution around the world through selected case studies. May be repeated with a different topic for a maximum of 3 credit hours.

## Islamic Studies

### Introduction

Over the past decade, knowledge of the Muslim world—of its inter-relationships and international connections—has become more important as the Western World attempts to constructively engage with its 1.4 billion inhabitants. Students wishing to pursue work that focuses on Islam and the Muslim world need a wide range of skills and experiences to be competitive in post graduate education, private business, nongovernmental, and governmental careers.

The Certificate will provide students with both historical and contemporary knowledge as well as the critical thinking skills to interpret new information by emphasizing comparative approaches to various religious, political, cultural, and economic phenomena.

The Islamic Studies Program is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

### Majors, Minors, and Programs

- Certificate in Islamic Studies

### Faculty

- See the Islamic Studies [website](#).

### Academic Advisor

- Will Smith, Goodbody Hall 240, 812-855-2736

### Contact Information

Islamic Studies Program  
114 Weatherly Hall  
400 N. Sunrise Drive  
Bloomington, IN 47408  
(812) 856-3977

[islmprog@indiana.edu](mailto:islmprog@indiana.edu)  
[www.indiana.edu/~islmprog/index.shtml](http://www.indiana.edu/~islmprog/index.shtml)

## Certificate in Islamic Studies

### Purpose

The Certificate in Islamic Studies offers two tracks, a Cultural Concentration and a Language Concentration, and is intended to provide students with comparative and interdisciplinary training needed to prepare them for graduate work in disciplinary and area studies units or to work for non-academic careers in government, non-government organizations, and business where knowledge of Islam and the Muslim world is required.

Students must take courses that focus on three areas of the Muslim world while concentrating on a specific region. By requiring such comparative work, the certificate will provide students with a well-rounded understanding of the Muslim world as well as with theoretical and methodological depth. The capstone courses allow students to explore in detail issues and problems common in Islam and the Muslim world.

### Required Courses for the Cultural Track

Students must complete 21 credit hours of course work, including

1. REL-A 270 Introduction to Islam (3 cr.)
2. Course work that focuses on three distinct regions of the Muslim world (9 cr.)
3. A 400-level Capstone course (3 cr.)
4. A two-course concentration in one region of the Muslim world (6 cr.)
5. A minimum of 9 credit hours of the certificate must be at the 300-400 level.

### Required Courses for the Language Track

Students pursuing the Language Track must complete 27 credit hours, including

1. All of the requirements for the Cultural Track (above), and
2. An additional 6 credit hours of a third-year language common to the Muslim world.

## Jewish Studies

### Introduction

The Robert A. and Sandra S. Borns Jewish Studies Program (JSTU) has as its objective the study of Jewish civilization from antiquity to the present and its interaction with and impact on world civilization. Our program draws on the many disciplines necessary to study the multifaceted Jewish experience, thus bringing a variety of approaches to the study of Jewish civilization. Contributing departments include Anthropology, Communication and Culture, Comparative Literature, English, Fine Arts, Germanic Studies, History, Hutton Honors College, Musicology, Near Eastern Languages and Cultures, Political Science, and Religious Studies. Modern and Biblical Hebrew language courses and Hebrew literature and culture courses taught within the Jewish Studies Program offer students a way to understand Jewish culture and its historical experience through literary analysis of texts and artifacts. Because of the interdisciplinary nature of the Jewish Studies Program, students enrolled in the B.A. or certificate programs have

the opportunity to structure course work individually, according to their specific areas of interest.

Students in the Jewish Studies Program can pursue either a B.A. in Jewish studies or a certificate in Jewish studies. Students, in addition, may complete a minor in Hebrew or a minor in Yiddish studies (through Germanic Studies). These programs are open to students from all academic and personal backgrounds.

We encourage students planning to major in Jewish studies to see the Jewish studies advisor in their first or second semester. Students may call (812) 855-0453 to make an appointment.

### Contact Information

Robert A. and Sandra S. Borns Jewish Studies Program  
Indiana University  
Goodbody Hall 326  
1011 East Third Street  
Bloomington, IN 47405-7005

(812) 855-0453 [ijsp@indiana.edu](mailto:ijsp@indiana.edu)

<http://www.indiana.edu/~jsp/>

## Faculty

### Director

- Mark Roseman (Jewish Studies, History)

### Dr. Alice Field Cohn Chair in Yiddish Studies

- Dov-Ber Kerler (Jewish Studies, Germanic Studies)

### Irving M. Glazer Chair in Jewish Studies

- Alvin H. Rosenfeld (Jewish Studies, English)

### Jay and Jeanie Schottenstein Chair in Jewish Studies

- Shaul Magid (Jewish Studies, Religious Studies)

### Lou and Sybil Mervis Chair in the Study of Jewish Culture

- Judah Cohen (Jewish Studies, Jacobs School of Music, Musicology)

### Pat M. Glazer Chair in Jewish Studies

- Mark Roseman (Jewish Studies, History)

### Rudy Professor

- Jeffrey C. Isaac (Political Science)

### Ruth N. Halls Professor

- Dror Wahrman (History)

### Professors

- James S. Ackerman (Emeritus, Religious Studies)
- Joëlle Bahloul (Anthropology)
- Jack Bielasik (Political Science)
- Paul Eisenberg (Emeritus, Philosophy)
- Michelle Facos (History of Art)
- Susan Gubar (Emerita, English)
- Jeffrey C. Isaac (Political Science)
- Stephen Katz (Jewish Studies, Near Eastern Languages and Cultures)
- Dov-Ber Kerler (Jewish Studies, Germanic Studies)
- Shaul Magid (Jewish Studies, Religious Studies)
- Herbert J. Marks (Comparative Literature)
- Michael Morgan (Emeritus, Jewish Studies, Philosophy)

- Mark Roseman (Jewish Studies, History)
- Alvin Rosenfeld (Jewish Studies, English)
- Bronislava Volková (Emerita, Slavic and East European Languages and Cultures)
- Dror Wahrman (History)

#### **Associate Professors**

- Judah Cohen (Jewish Studies, Jacobs School of Music, Musicology)
- Halina Goldberg (Jacobs School of Music)
- Aziza Khazzoom (Jewish Studies, Near Eastern Languages and Cultures)
- Jeremy Schott (Religious Studies)
- Jonathan Simons (Communication and Culture)
- Dina Spechler (Political Science)

#### **Assistant Professors**

- Guadalupe González Diéguez (Jewish Studies, Near Eastern Languages and Cultures)
- Sarah Imhoff (Jewish Studies, Religious Studies)
- Jason Mokhtarian (Jewish Studies, Religious Studies)
- Eva Mrocze (Jewish Studies, Religious Studies)

#### **Director of Modern Hebrew Language Program and Senior Hebrew Lecturer**

- Ayelet Weiss, Goodbody Hall 312, (812) 855-2338

#### **Other**

- Ariann Stern-Gottschalk (Summer Workshop in Slavic, East European and Central Asian Languages)

#### **Senior Hebrew Lecturer**

- Michal Maoz-Levy

#### **Modern Hebrew Lecturer**

- Leah Cover

#### **Director of Graduate Studies**

- Shaul Magid

#### **Director of Undergraduate Studies**

- Judah Cohen

#### **Academic Advising**

- Carolyn Lipson-Walker, Goodbody Hall 325, (812) 855-0453

## **Major in Jewish Studies**

#### **Purpose**

The major in Jewish Studies provides students with an in-depth knowledge of Jewish studies, as well as proficiency in a language of relevance to Jewish studies.

#### **Required Courses**

1. JSTU-H 250, JSTU-B 250, or GER-Y 250 (3 cr.)
2. JSTU-J 251/HIST-H 251 (3 cr.) and JSTU-J 252/HIST-H 252 (3 cr.)
3. Six additional courses in Jewish Studies (18 cr.) at the 300–400 level.
4. One additional course (3 cr.) in Jewish Studies at any level.

A maximum of 3 courses may be credited from language testing or from transfer credit. Courses taken at Hebrew University (via IU Overseas Study) count as IUB courses.

Students must also complete the degree requirements of the College of Arts and Sciences.

Total: 30 credit hours.

## **Certificate in Jewish Studies**

#### **Purpose**

The certificate program provides students with a broad-based knowledge of Jewish studies.

#### **Required Courses**

1. JSTU J-251/HIST-H 251 and JSTU-J 252/HIST-H 252.
2. Six more courses (18 cr.) in Jewish Studies with a minimum of three courses (9 cr.) at the 300-400 level.
3. No more than 4 courses from the student's major can be double-counted towards the Jewish Studies certificate.
4. At least 3 courses (excludes credit from language testing) in Jewish Studies must be taken on the IUB campus.
5. A maximum of 3 courses may be credited from language testing or from transfer credit. Courses taken at Hebrew University (via IU Overseas Study) count as IUB courses.
6. All course work must be completed with a grade of C– or higher.

Students wishing to participate in the certificate program must register with the advisor in Jewish Studies. Appointments may be arranged by calling (812) 855-0453.

## **Minor in Hebrew**

#### **Purpose**

The minor in Hebrew provides students with intensive Hebrew language proficiency.

#### **Requirement**

The minor in Hebrew consists of two tracks: the Modern Hebrew (JSTU-H courses) track and the Biblical Hebrew (JSTU-B courses) track.

#### **Modern Hebrew Track**

1. Completion of JSTU-H 200, JSTU-H 250, JSTU-H 300, and JSTU-H 350 with a grade of C or higher, or equivalent.
2. At least one additional course at the 300-400 level in Hebrew language or in Hebrew literature in English.

#### **Biblical Hebrew Track**

1. Completion of JSTU-B 200, JSTU-B 250, JSTU-H 300, and JSTU-H 350 with a grade of C or higher, or equivalent.
2. At least one additional course at the 300-400 level on rabbinic and Biblical literature.

Students must complete at least 6 credit hours of course work in the minor on the Bloomington campus.

The three courses at the 300-400 level cannot be counted toward either the Jewish Studies major or the certificate in Jewish Studies.

A student majoring in Hebrew through the Department of Near Eastern Languages and Cultures may not also earn a minor in Hebrew.

Total: 15 credit hours.

## Minor in Yiddish Studies

Students may complete the minor through the Department of Germanic Studies.

### Required Courses

Students must complete the following:

1. GER-Y 150 (4 cr.).
2. GER-Y 200 (3 cr.).
3. GER-Y 250 (3 cr.).
4. Nine additional credits chosen from GER-E 351/CMLT-C 377, GER-E 352/CMLT-C 378, GER-Y 495, or HIST-D 304.

## Overseas Study

The experience of living and studying in Israel is both broadening and culturally stimulating. Jewish Studies students are encouraged to study at The Hebrew University's Rothberg International School in Jerusalem (a co-sponsored program with IU Overseas Study) during their junior year. Students applying to the Rothberg School should do so through IU Overseas Study. When applying, students can also apply for Jewish Studies scholarships to study in Israel. Courses at the Rothberg School at The Hebrew University are conducted in English and include classes in Judaica and in subjects of a more general nature taught by outstanding scholars. Fall and full-year students participate in an seven-week ulpan (intensive Modern Hebrew course) in the summer prior to the academic year on The Hebrew University campus. Spring semester-only students begin with a three-week ulpan. All students continue studying Modern Hebrew during the regular semester. Although prior Hebrew study is recommended, it is not required. Students attending the Rothberg School can earn direct IU credit and can fulfill senior residency requirement hours. Students may also study at Ben-Gurion University, Haifa University, and Tel Aviv University and transfer credits back to IU. Students studying at these three Israeli universities may apply for Jewish Studies' Israel Scholarship. See the Jewish Studies website for the application. Students interested in either the major, certificate, or Hebrew minor should meet with the Jewish Studies advisor before leaving for Israel.

Information and application forms for The Hebrew University can be found on the [Office of Overseas Study website](#).

## Jewish Studies Language Courses

### Germanic Studies

- GER-Y 100 Beginning Yiddish I (4 cr.)
- GER-Y 150 Beginning Yiddish II (4 cr.)
- GER-Y 200 Intermediate Yiddish I (3 cr.)
- GER-Y 250 Intermediate Yiddish II (3 cr.)

### Jewish Studies

- JSTU-B 200 Intermediate Biblical Hebrew I (3 cr.)
- JSTU-B 250 Intermediate Biblical Hebrew II (3 cr.)
- JSTU-H 100 Elementary Hebrew I (4 cr.)
- JSTU-H 150 Elementary Hebrew II (4 cr.)
- JSTU-H 190 Intensive Elementary Hebrew (6 cr.)
- JSTU-H 200 Intermediate Modern Hebrew I (3 cr.)
- JSTU-H 250 Intermediate Modern Hebrew II (3 cr.)
- JSTU-H 300 Advanced Modern Hebrew I (3 cr.)

- JSTU-H 350 Advanced Modern Hebrew II (3 cr.)
- JSTU-H 365 Advanced Hebrew Conversation and Composition (3 cr.)
- JSTU-H 375 Introductory Readings in Hebrew Literature (in Hebrew) (3 cr.) **CASE A&H**
- JSTU-H 460 Israeli Film and Fiction in Hebrew (3 cr.) **CASE A&H, CASE GCC**
- JSTU-H 480 Modern Hebrew Literature in Hebrew (3 cr.) **CASE A&H, CASE GCC**
- JSTU-H 485 Recent Hebrew Literature in Hebrew (3 cr.) **CASE A&H, CASE GCC**
- JSTU-H 497 Individual Readings in Hebrew (1–4 cr.)

## Jewish Studies Honors Program

### Requirements

1. Majors in Jewish Studies must maintain a minimum overall GPA of 3.500 and a minimum Jewish Studies GPA of 3.500.
2. A student must apply to the honors advisor, Carolyn Lipson-Walker, for admission into the honors program.
3. In addition to completing the requirements for the Jewish Studies major, honors students must successfully complete two courses: first enrolling in JSTU-H 399 Readings for Honors in Jewish Studies (3 credit hours) and then completing the honors thesis with the course JSTU-H 499 Honors Thesis (3–6 credit hours). A grade of A– or higher must be earned in both courses to graduate with honors.
4. A thesis director of the student's choice (from the Jewish Studies faculty) will serve as mentor throughout H399/H499. Students must fill out the appropriate honors thesis contract and obtain the thesis director's signature as well as the approval of the honors advisor before registering for JSTU-H 399.
5. JSTU-H 399 is typically taken no later than the next-to-last semester before graduation. Under the close direction of the thesis director, the honors candidate completes preliminary reading and research and a 2–3 page thesis prospectus and bibliography.
6. Most commonly in the final semester before graduation, the student enrolls in JSTU-H 499 and completes a 25–50 page thesis, representing a significant proportion of original research. The thesis is defended before a committee made up of the thesis director and two other faculty members of the student's choosing (in consultation with the thesis director).

## Course Descriptions

### Biblical Hebrew

#### JSTU-B 100 Introduction to Biblical Hebrew I (4 cr.)

An accelerated introduction to biblical Hebrew. No prior knowledge of Hebrew required. Introduces grammar, morphology, and syntax. Students acquire a sizeable vocabulary to learn how to read original biblical materials. I Sem.

#### JSTU-B 150 Introduction to Biblical Hebrew II (4 cr.)

P: Grade of C or higher in B100 or equivalent proficiency. A continuation of B100 that builds the student's knowledge of the fundamentals of biblical Hebrew. II Sem.

**JSTU-B 200 Intermediate Biblical Hebrew I (3 cr.)**

P: Grade of C or higher in H150 or equivalent proficiency. A continuation of H150 for students who choose the Biblical Hebrew track. Establishes students' grammatical knowledge and skills, allowing them to understand Biblical Hebrew narrative, law, prophecy, and poetry.

**JSTU-B 250 Intermediate Biblical Hebrew II (3 cr.)**

P: Grade of C or higher in B200 or equivalent proficiency. A continuation of B200. Further develops students' grammatical knowledge and skills, allowing them to understand Biblical Hebrew narrative, law, prophecy, and poetry.

**Israeli Culture****JSTU-C 214 Multiple Voices of Israeli Society (3 cr.)**

**CASE S&H, CASE GCC** A survey of academic work by and about different groups in Israel. Attention is paid to local and theoretical issues highlighted by this work, such as collective memory, identity of immigrants, diaspora and the experience of homecoming, gay and lesbian families, reproductive regimes, and religious and secular worldviews. Credit given for only one of C214 or NELC-N 214.

**JSTU-C 216 Israeli Inequality in Context (3 cr.) CASE S&H, CASE GCC** How does Israeli inequality compare to inequality in other societies? And within Israel, how do different axes of inequality, like nation, gender, sexual orientation, immigration status, etc., relate to and inform each other? The course addresses these questions using a social stratification approach. Credit given for only one of C216 or NELC-N 216.

**JSTU-C 240 Contemporary Israeli Culture (3 cr.) CASE A&H, CASE GCC** Through literature and other media (essay, film, music), this course examines a number of Israeli cultural, social, and political phenomena: the Holocaust in the Israeli imagination, Labor and the Israeli body, Jewish ethnicity, the Israeli Arab, and the creation of new national holidays. Students develop methods of "reading" these artifacts of Israeli culture with the help of approaches from the fields of literary and cultural studies.

**JSTU-C 340 The Kibbutz in Fact and Fiction (3 cr.)**

**CASE A&H, CASE GCC** A survey of the representation of kibbutz ideology and community in Hebrew fiction and anthropological and sociological studies. Compares early representations of the kibbutz with its recent transformations to acquaint students with the impact of this unique social system in Israeli society and culture.

**JSTU-C 360 Israeli Film and Fiction (3 cr.) CASE A&H, CASE GCC** A sampling of Israeli novels and stories in English translation whose texts were made into film. All readings and discussions conducted in English. Subjects covered pertain to the representation of Israeli culture, values, and experience, including individualism and the collective, war and peace, the self and the nation. Credit given for only one of JSTU C360 or H460.

**Modern Hebrew**

**JSTU-H 100 Elementary Hebrew I (4 cr.)** Introductory course that lays groundwork for the study and use of both Modern and Biblical Hebrew, developing reading, writing, and conversational skills while building the necessary grammatical foundations. No previous knowledge of

Hebrew required. Credit given for only one of H100 or B100. I Sem.

**JSTU-H 150 Elementary Hebrew II (4 cr.)** P: Grade of C or higher in H100 or equivalent proficiency. Continues to develop reading, writing, and conversational skills in Hebrew, laying the necessary grammatical foundation for intermediate Modern or Biblical Hebrew. Credit given for only one of H150 or B150.

**JSTU-H 190 Intensive Elementary Hebrew (6 cr.)**

Intensive course in elementary Modern Hebrew, combining ulpan with standard language instruction techniques. The course covers the equivalent of one full year of elementary Hebrew in one term, and is open to those desiring to acquire all facets of language communication, morphology, phonology, and syntax. Credit given for only one of H190 or JSTU H100-H150.

**JSTU-H 196 Foreign Study in Hebrew (1-6 cr.)**

P: Acceptance into an overseas study program. Credit for foreign study in Hebrew language or literature when no specific equivalent is available among departmental offerings. Does not count toward credit for major, certificate, or minor.

**JSTU-H 200 Intermediate Modern Hebrew I (3 cr.)**

P: Grade of C or higher in H150 or equivalent proficiency. Continuation of H150, for students who choose the Modern Hebrew track. Continues to develop reading, writing, and conversational skills, while expanding the grammatical foundation of students' Modern Hebrew knowledge.

**JSTU-H 250 Intermediate Modern Hebrew II (3 cr.)**

P: Grade of C or higher in H200 or equivalent proficiency. Continues to develop reading, writing, and conversational skills, while expanding the grammatical foundation of students' Modern Hebrew knowledge.

**JSTU-H 296 Foreign Study in Hebrew (1-6 cr.)**

P: Acceptance into an overseas study program. Credit for foreign study in Hebrew language or literature when no specific equivalent is available among departmental offerings. Does not count toward credit for major, certificate, or minor.

**JSTU-H 300 Advanced Modern Hebrew I (3 cr.)**

P: Grade of C or higher in H250 or equivalent proficiency. Reviews and completes the acquisition of the grammatical system of Modern Hebrew, using modern Israeli literary work and media resources, focusing on verbal and written communication skills. I Sem.

**JSTU-H 350 Advanced Modern Hebrew II (3 cr.)**

P: Grade of C or higher in H300 or equivalent proficiency. Sets the foundations for the study of complete written works in Modern Hebrew, whether for literary or research purposes. Offers extensive practice of reading, writing, and conversational skills.

**JSTU-H 365 Advanced Hebrew Conversation and Composition (3 cr.)**

P: Grade of C or higher in H350 or equivalent proficiency. A full summation of Modern Hebrew, with review of grammar and vocabulary. The course aims to enrich students' vocabulary, reading and writing skills, comprehension, and free expression. Emphasis will be on vocabulary, usage, and pronunciation. Writing practice and review of grammar will

be integrated with conversation and readings of selections from literary and nonliterary texts.

#### **JSTU-H 375 Introductory Readings in Hebrew**

**Literature (in Hebrew) (3 cr.) CASE A&H** P: Grade of C or higher in H350 or equivalent proficiency. Reading, in the original Hebrew, of selected poetry and prose from among the chief writers of Modern Hebrew literature. Emphasis on familiarization with the diverse styles, forms, and themes of Modern Hebrew literature. Discussion and analysis in Hebrew.

#### **JSTU-H 396 Foreign Study in Hebrew (1-6 cr.)**

P: Acceptance into an overseas study program. Credit for foreign study in Hebrew language or literature when no specific equivalent is available among departmental offerings. Does not count toward credit for major, certificate, or minor.

#### **JSTU-H 460 Israeli Film and Fiction in Hebrew (3 cr.)**

**CASE A&H, CASE GCC** P: Grade of C or higher in any Hebrew course above H350 (such as H365, H375, H480, H485, or H497), or equivalent. A sampling of Israeli novels and stories whose texts were made into film. Subjects covered pertain to the representation of Israeli culture, values, and experience, including individualism and collective, war and peace, the self and the nation. Readings, assignments, and discussion in Hebrew. Credit given for only one of JSTU H460 or C360.

#### **JSTU-H 477 Victims and Avengers: Readings in the Holocaust Literature of Israel in Hebrew (3 cr.)**

P: Grade of C or higher in any Hebrew course above H350 (such as H365, H375, H485, or H497), or equivalent. Readings (in Hebrew) of Holocaust literature in translation primarily from Hebrew and Yiddish works of poetry and prose, diaries and stories, to highlight the lasting impact of this event on Israel's social and cultural landscape. Issues covered include representation of Jews as victims, avengers and heroes. Credit given for only one of JSTU-H 477 or JSTU-L 377.

#### **JSTU-H 480 Modern Hebrew Literature in Hebrew (3 cr.) CASE A&H, CASE GCC**

P: Grade of C or higher in any Hebrew course above H350 (such as H365, H375, H485, or H497), or equivalent. A survey of nineteenth- and twentieth-century fiction, poetry, essays in the original Hebrew under such headings as assimilation, ghetto, and world; secularism versus tradition; ethnicity, land, and universalism; nation, religion, state; utopia and revolution; nostalgia, self-hate, rejuvenation; portrayal of anti-Semitism in literature. Credit given for only one of JSTU H480 or L380.

#### **JSTU-H 485 Recent Hebrew Literature in Hebrew (3 cr.) CASE A&H, CASE GCC**

P: Grade of C or higher in any Hebrew course above H350 (such as H365, H375, H460, H480 or H497), or equivalent proficiency. Extensive readings of Hebrew texts and scholarly works grouped according to periods or specific themes in language, literature, or intellectual movements adapted to specific individual programs. Readings, assignments, and discussions in Hebrew. Credit given for only one of JSTU H485 or L385.

#### **JSTU-H 496 Foreign Study in Hebrew (1-6 cr.)**

P: Acceptance into an overseas study program. Credit for foreign study in Hebrew language or literature when

no specific equivalent is available among departmental offerings. Does not count for major, certificate, or minor.

#### **JSTU-H 497 Individual Readings in Hebrew (1-4 cr.)**

P: Grade of C or higher in H350 or equivalent proficiency. Extensive readings of Hebrew texts and scholarly works grouped according to periods or specific themes in language, literature, or intellectual movements adapted to specific individual programs. Readings, assignments, and discussion in Hebrew. May be repeated for a maximum of 9 credit hours.

#### **Jewish Studies**

**JSTU-J 203 Arts and Humanities Topics in Jewish Studies (3 cr.) CASE A&H** Selected arts and humanities topics and issues in Jewish studies. May be repeated with different topics for a maximum of 9 credit hours.

#### **JSTU-J 204 Social and Historical Topics in Jewish**

**Studies (3 cr.) CASE S&H** Selected social and historical topics and issues in Jewish studies. May be repeated with different topics for a maximum of 9 credit hours.

#### **JSTU-J 220 Sacred Books of the Jews (3 cr.) CASE**

**A&H, CASE GCC** Explores the sacred texts of Judaism after the Bible. Considers how tradition works; how people created new religious knowledge after the Bible was canonized; why some texts are considered sacred, while others are not. Includes a variety of sacred texts, including Mishnah, Talmud, Midrash, and Kabbalah. Credit given for only one of J220 or REL-A 235.

#### **JSTU-J 230 Introduction to Judaism (3 cr.) CASE A&H, CASE GCC**

The development of post-biblical Judaism: major themes, movements, practices, and values. Credit given for only one of J230, REL-A 230 or REL-R 245.

#### **JSTU-J 251 Introduction to Jewish History: From the**

**Bible to Spanish Expulsion (3 cr.) CASE S&H, CASE GCC** Topics include the origins of Judaism, Jewish life in ancient Israel and the Diaspora, Judaism and the origins of Christianity, Jewish society and culture under Christian and Muslim rule in the Middle Ages. Credit given for only one of J251 or HIST H251.

#### **JSTU-J 252 Introduction to Jewish History: From**

**Spanish Expulsion to the Present (3 cr.) CASE S&H, CASE GCC** Jewish history from early modern times to the present. Topics include Jewish daily life in early modern Europe and Ottoman Turkey, Jewish mysticism, Hasidism, Jewish emancipation, modern Judaism, anti-Semitism, the Holocaust, Zionism, the State of Israel, and the history of American Jewry. Credit given for only one of J252 or HIST H252.

#### **JSTU-J 258 Representing Jews and African Americans in American Musical Theater (3 cr.) CASE A&H, CASE DUS**

Musical theater serves as a vital mode for airing American social issues and anxieties. Shows often portrayed minority characters in ways that reflected current attitudes and biases. This course examines several key works that highlight the dilemmas of American ethnic representation, with a focus on African Americans and Jews

#### **JSTU-J 259 American Jewish History (3 cr.) CASE**

**S&H, CASE DUS** Explores American Jewish history from its beginnings to the present through primary source readings, documentary films, and historical readings.

Credit given for only one of J259, REL-C 230, or HIST-H 259.

**JSTU-J 303 Arts and Humanities Topics in Jewish Studies (3 cr.) CASE A&H** Selected arts and humanities topics and issues in Jewish studies. May be repeated with different topics for a maximum of 9 credit hours.

**JSTU-J 304 Social and Historical Topics in Jewish Studies (3 cr.) CASE S&H** Selected social and historical topics and issues in Jewish studies. May be repeated with different topics for a maximum of 9 credit hours.

**JSTU-J 310 Jews and Race (3 cr.) CASE A&H, CASE DUS** Explores the spectrum of Jewish thought on race and ethnicity from historical and regional perspectives. Addresses the questions "Are Jews white?" and "Are Jews a race?" looking at both contemporary and historical sources to see how the answers differ in relation to the specific racial landscapes of particular times and places. Credit given for only one of J310 or REL-C 323.

**JSTU-J 316 Jews, Christians, and Others in Late Antiquity (3 cr.) CASE A&H, CASE GCC** Explores the interactions and so-called parting of the ways between Jews, Christians, and other religious groups in Roman Palestine and Sasanian Persia from the first through seventh centuries C.E. Pays special attention to the portrayals of Christians in Jewish literature such as the Mishnah and Talmud. Credit given for only one of J316 and REL-A 316.

**JSTU-J 317 Judaism in the Making (3 cr.) CASE A&H, CASE GCC** The development of Jewish traditions from circa 400 BCE to 200 CE in their linguistic, geographical, and cultural diversity. Discusses emergence of scripture, apocalyptic traditions, place in Hellenistic and Roman cultures, relationship with early Christianity, and emergence of Judaism as a religion. Credit given for only one of J317 or REL-A 317.

**JSTU- J 320 Rabbinic Judaism: Literature and Beliefs (3 cr.) CASE A&H, CASE GCC** The rabbis of late antiquity were masters of the Bible who produced a corpus of writings in which they interpret holy scriptures. These writings, known as rabbinic literature, remain to this day the foundation of normative Jewish behavior and traditions. This course explores what these rabbis believed and how they interpreted the Bible. Credit given for only one of J320 or REL-A 318.

**JSTU-J 323 History of the Holocaust (3 cr.) CASE S&H, CASE GCC** Anti-Semitism in the modern world; the Nazi rise to power; the destruction of European Jewry; Jewish behavior in crisis and extremity; the attitude of the Allied nations; mass murder in comparative historical perspective; anti-Semitism and racial thinking; collaboration, resistance, and rescue. Credit given for only one of J323 or HIST-B 323.

**JSTU-J 357 American Jewish Popular Music (3 cr.) CASE A&H, CASE DUS** How does a small minority population create its own "popular music"? This course explores the many ways American Jews have addressed the idea of popular music over the last century by examining how American Jewish communities have adapted popular music styles, built up music stars, and created music labels and production companies. Credit given for only one of J357 or FOLK-F 357.

**JSTU-J 358 Music in Judaism (3 cr.) CASE A&H, CASE GCC**

Explores the variety of ways people have used music to describe, inscribe, symbolize and editorialize the Jewish experience. More than just a survey in Jewish music history, this course uses music as a means to address questions of religious, ethnic, national and historical identity from biblical times to the present.

**JSTU-J 359 Exploring Jewish Identity Today (3 cr.) CASE S&H, CASE DUS**

When people describe what they believe, do, create, or experience as "Jewish," what do they mean? Using multiple perspectives and multiple forms of media, we will explore how different communities--from orthodox Jews to evangelical Christians--incorporate senses of Judaism into their cultural, religious, racial, ethnic, and artistic identities. Credit given for only one of J359 or FOLK-F 359.

**JSTU-J 375 Women in the Bible (3 cr.) CASE A&H**

Considers representations of women and the feminine in the Hebrew Bible, New Testament, and literature of early Judaism and Christianity. Explores how these texts have been interpreted in the history of Western culture, and how they continue to shape attitudes about women, gender, and sexuality in the contemporary world. Credit given for only one of J375 or REL-A 375.

**JSTU-J 403 Arts and Humanities Topics in Jewish Studies (3 cr.) CASE A&H** Selected arts and humanities topics and issues in Jewish studies. May be repeated with different topics for a maximum of 9 credit hours.

**JSTU-J 404 Social and Historical Topics in Jewish Studies (3 cr.) CASE S&H** Selected social and historical topics and issues in Jewish studies. May be repeated with different topics for a maximum of 9 credit hours.

**JSTU-P 180 Leadership in Jewish Studies (1 cr.)**

Variable topic course, designed to be practical in nature. Allows students to study and apply leadership skills through obtaining leadership roles in the community. Does not count toward Jewish Studies major or certificate or minor in Hebrew. Graded. May be repeated with different topics for a maximum of 3 credit hours. Only one enrollment per term is allowed.

**JSTU-P 300 Professional Leadership and the Jewish Community (3 cr.)**

Designed to introduce students to the demography, sociology, and structure of contemporary American Jewry, and to the wide range of agencies serving the community, as well as the most effective steps to begin a career within them. Through guest presentations by professional and lay-leaders in the field, along with a practicum experience, students learn about current challenges and trends in Jewish studies-related professions.

**JSTU-P 498 Internship in Jewish Studies (1-6 cr.)**

Through internships, students make particular use of their skills, learn new skills, and start to build professional contacts in the field of their interest. Students who wish to receive credit through Jewish Studies for their internship need to have a Jewish Studies faculty sponsor and are responsible for finding and securing their own internships. S/F grading. May be repeated for a maximum of 12 credit hours.

### **Hebrew Literature**

**JSTU-L 270 Coming to America: History and Memory of Immigration in Jewish Literature (3 cr.) CASE A&H, CASE DUS** Studies the encounter of Jews immigrating to America in the later nineteenth and early twentieth centuries. Readings (in English translation) of memoirs, prose fiction and poetry composed in English, Hebrew and Yiddish illustrate the clash of civilizations and ensuing acculturation. Assimilation and reciprocal effects are also explored.

**JSTU-L 280 David: The Man and the King (3 cr.) CASE A&H, CASE GCC** This course uses works of poetry and prose against the background of biblical and post-biblical (midrash) narratives focused on interpreting the image of David as a man and a king and as an example of how power affects people. Cinema, opera, and fine arts inspired by David's image will focus recognition of the diverse ways in which David continues to be viewed as a man and a king in his day and ours.

**JSTU-L 285 Guns and Roses: Representations of Soldiers and War in Modern Hebrew Literature (3 cr.) CASE A&H, CASE GCC** Explores the nuances behind the stereotypes of the Israeli as soldier in modern Hebrew literature and the evolving image of the Jew as soldier through works of non-fiction, theory, and criticism from before World War I, through World War II and the Holocaust, and the establishment of the State of Israel. Begins with a survey of Jews, soldiering, and war since biblical times.

**JSTU-L 377 Victims and Avengers: Readings in the Holocaust Literature of Israel (in English Translation) (3 cr.) CASE A&H, CASE GCC** Readings of Holocaust literature in translation primarily from Hebrew and Yiddish works of poetry and prose, diaries and stories, to highlight the lasting impact of this event on Israel's social and cultural landscape. Issues covered include representation of Jews as victims, avengers and heroes. Credit given for only one of JSTU-L 377 or JSTU-H 477.

**JSTU-L 380 Modern Hebrew Literature in English (3 cr.) CASE A&H, CASE GCC** Nineteenth- and twentieth-century fiction, poetry, essays, under such headings as assimilation (ideal or aberration?); ghetto and world; secularism versus tradition; ethnicity, land, and universalism; nation, religion, state; utopias and revolutions; nostalgia, self-hate, rejuvenation; portrayal of anti-Semitism in literature. No knowledge of Hebrew necessary. Readings and lectures in English. Credit given for only one of JSTU L380 or H480.

**JSTU-L 385 Recent Hebrew Literature in English (3 cr.) CASE A&H, CASE GCC** Fiction, poetry, and essays with relevance to contemporary issues, such as the past (burden or asset?); the meeting of Europe and Near East; the kibbutz; ideal and reality; Jews, Arabs, Canaanites; diaspora and center; the personal and the collective; inwardness or realism; wars, holocausts, peace. No knowledge of Hebrew necessary. Readings and lectures in English. Credit given for only one of JSTU L385 or H485.

**JSTU-L 390 Biblical Themes in Modern Hebrew Literature (3 cr.) CASE A&H** An examination of how modern Hebrew literature, read in English translation, has perceived and reinterpreted narratives of the

Hebrew Bible. Among the issues to be examined are the contemporary individual, social, and historical factors contributing to the process of "rewriting" the Bible in the image of our times. No knowledge of Hebrew necessary. Readings and lectures in English.

**JSTU-L 395 S. Y. Agnon and the Jewish Experience (3 cr.) CASE A&H, CASE GCC** Intensive study of the fictional work (in English translation) of S. Y. Agnon. Among the themes explored are religion and secularism; tradition versus modernity and change; love, marriage, and divorce; nostalgia for the past and life in the present; Israel and the diaspora. No knowledge of Hebrew necessary. Readings and lectures in English.

### **Special Topics**

**JSTU-H 495 Individual Readings in Jewish Studies (1-3 cr.) P:** Consent of instructor. Designed for advanced Jewish Studies students who wish to concentrate on a particular area of Judaica previously introduced to them in other courses. Arrangements are made between the student and professor prior to registration. A student must have course authorization with the Jewish Studies advisor prior to registration. May be repeated for a maximum of 6 credit hours.

### **Honors**

**JSTU-H 399 Readings for Honors in Jewish Studies (3 cr.) P:** Approval of instructor and honors advisor. Independent guided readings in preparation for the honors thesis (H499) in Jewish Studies.

**JSTU-H 499 Honors Thesis (3-6 cr.) P:** Approval of program honors committee. Guided research culminating in an honors thesis written under the direction of a faculty member and reviewed in oral examination by three faculty members.

## **Cross-Listed Courses**

### **Anthropology**

- ANTH-E 332 Jewish Women: Anthropological Perspectives (3 cr.) **CASE S&H, CASE DUS**
- ANTH-E 371 Modern Jewish Culture and Society (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 382 Memory and Culture (3 cr.) **CASE S&H**
- ANTH-E 400 Undergraduate Seminar (3 cr.) Topics: Ethnicities in Israel; Food and Religion; Israeli Society and Culture; The Jewish Family; Jewish Women; Migrations and Diasporas

### **College of Arts and Sciences**

- COLL-C 103 Critical Approaches to the Arts and Humanities (3 cr.) **CASE A&H, CASE CAPP** Topics: Representing the Holocaust; Power, Politics, and Piety: Nationalism and Territory in Israel/Palestine; A Question of Identity: The Case of Judaism; Who Wrote the Bible?

### **Communication and Culture**

- CMCL-C 311 Images of War and Peace in Public Culture (3 cr.) **CASE A&H** Topic: Images of War and Peace in Israeli Public Culture
- CMCL-C 445 Media, Culture, and Politics (3 cr.) Topic: Film, Fascism, and Psychoanalysis

### **Comparative Literature**

- CMLT-C 100 Freshman Seminar (3 cr.) **CASE A&H** Topic: The Agnostic Bible
- CMLT-C 301 Special Topics in Comparative Literature (3 cr.) **CASE A&H, CASE GCC** Topics: The Agnostic Bible; Poetics of Biblical Narrative; Reading the Prophets
- CMLT-C 377 Topics in Yiddish Literature (3 cr.) **CASE A&H, CASE GCC** Topics: Fantasy, Realism, and Fiction in Early Modern and Modern "Classic" Yiddish Literature; Love, Soul, and Destiny in Modern Yiddish Literature; Selected Readings in Twentieth-Century Yiddish Fiction; Yiddish Life: On Page, on Screen, on Stage
- CMLT-C 378 Topics in Yiddish Culture (3 cr.) **CASE A&H, CASE GCC** Topics: Culture, Memory, and Identity: Yiddish in the Post-Holocaust World; Ghetto, Shtetl, and Beyond: Millennium of History and Society of Yiddish; History and Sociology of Yiddish; Yiddish in America
- CMLT-C 400 Studies in Comparative Literature (3 cr.) **CASE A&H** Topics: Job, from the Bible to Kafka; The Poetics of Biblical Narrative
- CMLT-C 405 Senior Seminar in Comparative Literature (3 cr.; max. of 6 cr.) **CASE A&H** Topics: The Bible in Western Literature; Job, from the Bible to Kafka; Prophecy and Poetry

### **English**

- ENG-L 241 American Jewish Writers (3 cr.) **CASE A&H, CASE DUS**
- ENG-L 367 Literature of the Bible (3 cr.) **CASE A&H**
- ENG-L 375 Studies in Jewish Literature (3 cr.) **CASE A&H, CASE DUS** Topics: American Jewish Writers; Jewish American Responses to the Holocaust; Literature of the Holocaust; Representations of the Holocaust
- ENG-L 460 Seminar: Literary Form, Mode, and Theme (3 cr.) Topic: The Poetics of Biblical Narrative

### **European Studies, Institute for**

- EURO-W 406 Special Topics in European Studies (3 cr.) **CASE A&H** Topic: Anne Frank: Her Diary in Perspective

### **Fine Arts**

- FINA-A 245 Jewish Art (3 cr.) **CASE A&H, CASE GCC**

### **Folklore and Ethnomusicology**

- FOLK-F 357 American Jewish Popular Music (3 cr.) **CASE A&H, CASE DUS** Credit given for only one of F357 or JSTU-J 357.
- FOLK-F 358 Jewish Folklore/Folklife/Folk Music (3 cr.) **CASE A&H**
- FOLK-F 359 Exploring Jewish Identity Today (3 cr.) **CASE S&H, CASE DUS** Credit given for only one of F359 or JSTU-J 359.

### **Germanic Studies**

- GER-E 341 Dutch Culture: The Modern Netherlands (3 cr.) **CASE S&H, CASE GCC** Topic: Anne Frank: Her Diary in Perspective
- GER-E 351 Topics in Yiddish Literature (3 cr.) **CASE A&H, CASE GCC** Credit given for only

one of E351 or CMLT-C 377. Topics: Fantasy, Realism, and Fiction in Early Modern and Modern "Classic" Yiddish Literature; Love, Soul, and Destiny in Modern Yiddish Literature; Selected Readings in Twentieth-Century Yiddish Fiction; Yiddish Life on Page, on Screen, on Stage. Students may receive a maximum of 6 credit hours for any combination of E351 and CMLT-C 377.

- GER-E 352 Topics in Yiddish Culture (3 cr.) **CASE A&H, CASE GCC** Topics: Culture, Memory, and Identity: Yiddish in the Post-Holocaust World; Ghetto, Shtetl, and Beyond: Millennium of History and Society of Yiddish; History and Sociology of Yiddish; Yiddish in America. Students may receive a maximum of 6 credit hours for any combination of E352 and CMLT-C 378.
- GER-Y 495 Individual Readings in Yiddish Studies: Language, Literature, Culture (1–3 cr.)

### **History**

- HIST-A 379 Issues in Modern United States History (3 cr.) **CASE S&H** Topic: The Holocaust in American History; The Holocaust in American Memory
- HIST-B 200 Issues in Western European History (3 cr.) **CASE S&H** Topic: Extreme Violence in Europe 1900-1945: Political Utopias, Ethnic Conflict, and Total War; History of Jerusalem: Three Faiths, Three Thousand Years; War and Violence in 20th Century Europe
- HIST-B 300 Issues in Western European History (3 cr.) **CASE S&H** (when Jewish history topic)
- HIST-B 303 Issues in Modern European History (3 cr.) **CASE S&H** (when Jewish history topic) Topic: Anti-Semitism in Europe Since the Enlightenment
- HIST-B 315 European Anti-Semitism from the Enlightenment to the Holocaust (3 cr.) **CASE S&H**
- HIST-B 321 European Jews in the Age of Discovery (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 322 Jews in the Modern World (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 323 History of the Holocaust (3 cr.) **CASE S&H, CASE GCC** Credit given for only one of B323 or JSTU-J 323.
- HIST-B 324 Zionism and the State of Israel (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 330 The Jews of Spain (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 400 Issues in Western European History (3 cr.) **CASE S&H** (when Jewish history topic)
- HIST-C 300 Issues in Classical and Byzantine History (3 cr.) **CASE S&H** Topics: Jews, Christians, and Muslims in the Medieval Mediterranean; Three Cultures in the Medieval Mediterranean: Interactions between Muslims, Christians, and Jews
- HIST-D 304 Jews of Eastern Europe (3 cr.) **CASE S&H, CASE GCC**
- HIST-H 251 Introduction to Jewish History: From the Bible to Spanish Expulsion (3 cr.) **CASE S&H, CASE GCC** Credit given for only one of H251 or JSTU-J 251.
- HIST-H 252 Introduction to Jewish History: From Spanish Expulsion to the Present (3 cr.) **CASE S&H, CASE GCC** Credit given for only one of H252 or JSTU-J 252.

- HIST-H 259 American Jewish History(3 cr.) **CASE S&H, CASE DUS** Credit given for only one of H259, REL-C 230, or JSTU-J 259.
- HIST-J 300 Seminar in History (3 cr.) **CASE S&H** (when Jewish history topic) Topics: The Jews of Islam; Jewish History and Modern Jewish Texts; Perpetrators of the Holocaust; The Sephardic Diaspora; Testimonies of the Holocaust
- HIST-J 400 Seminar in History (3 cr.) **CASE S&H** Topics: Anti-Semitism and Jewish Responses; Jewish Cultural History of the Modern Era; Jewish Emancipation; Perpetrating Genocide; Perpetrators of the Holocaust

#### **Hutton Honors College**

- HON-H 234 Literature of Time and Place (3 cr.) **CASE A&H** Topic: Anne Frank and Hitler: Studies in the Representation of Good and Evil; Germany's "Others"; Literature of the Holocaust
- HON-H 235 Religion in Literature, Music, Art, and Performance (3 cr.) **CASE A&H** Topic: The Agnostic Bible
- HON-H 303 Interdepartmental Colloquia (3 cr.) **CASE A&H** Topics: The American Jewish Experience; American Jewish Writers; Literature of the Holocaust; Poetics of Biblical Narrative; Understanding Antisemitism

#### **Near Eastern Languages and Cultures**

- NELC-N 214 Multiple Voices of Israeli Society (3 cr.) **CASE S&H, CASE GCC** Credit given for only one of N214 or JSTU-C 214.
- NELC-N 216 Israeli Inequality in Context (3 cr.) **CASE S&H, CASE GCC** Credit given for only one of N216 or JSTU-C 216.
- NELC-N 303 Issues in Middle Eastern History (3 cr.) **CASE S&H** Topic: Jewish Philosophy in the Medieval World: The Jews of Islam; Muslim Spain
- NELC-N 305 Issues in Middle Eastern Literature (3 cr.) **CASE GCC** Topic: Solitary Life in the Pre-Modern World: Muslim and Jewish Sources

#### **Philosophy**

- PHIL-P 205 Modern Jewish Philosophy (3 cr.) **CASE A&H, CASE GCC**
- PHIL-P 305 Topics in the Philosophy of Judaism (3 cr.) **CASE A&H, CASE GCC**
- PHIL-P 490 Readings in Philosophy (1–3 cr.) (In agreement with instructor, intensive readings related to one or a group of philosophers who explore in their writings Jewish themes and topics.)

#### **Political Science**

- POLS-Y 352 The Holocaust and Politics (3 cr.) **CASE S&H, CASE GCC**

#### **Religious Studies**

- REL-A 202 Issues in African, European, and West Asian Religions (3 cr.) **CASE A&H** Topics: Biblical Justice; Hell and Heaven in Judaism; Women in American Jewish History
- REL-A 210 Introduction to the Old Testament/ Hebrew Bible (3 cr.) **CASE A&H, CASE GCC**
- REL-A 220 Introduction to the New Testament (3 cr.) **CASE A&H, CASE GCC**

- REL-A 230 Introduction to Judaism (3 cr.) **CASE A&H, CASE GCC** Credit given for only one of J230, REL-A 230 or REL-R 245.
- REL-A 235 Sacred Books of the Jews (3 cr.) **CASE A&H, CASE GCC** Credit given for only one of A235 or JSTU-J 220.
- REL-A 300 Studies in African, European, and West Asian Religions (3 cr.) **CASE A&H** Topics: History of God; Introduction to Rabbinic Literature; Issues in the Study of the Hebrew Bible; Rabbinic Judaism; Revelation in Rabbinic Literature; Torah, Temple, and God in Ancient Judaism; Understanding the Rabbinic Mind
- REL-A 305 Ancient Mediterranean Religions (3 cr.) **CASE A&H, CASE GCC** (If Jewish Studies is one-third or more of course material.)
- REL-A 315 Prophecy in Ancient Israel (3 cr.) **CASE A&H, CASE GCC**
- REL-A 316 Jews, Christians, and Others in Late Antiquity (3 cr.) **CASE A&H, CASE GCC** Credit given for only one of A316 or JSTU-C 316.
- REL-A 317 Judaism in the Making (3 cr.) **CASE A&H, CASE GCC** Credit given for only one of A317 or JSTU-J 317.
- REL-A 318 Rabbinic Judaism: Literature and Beliefs (3 cr.) **CASE A&H, CASE GCC** Credit given for only one of A318 or JSTU-J 320.
- REL-A 321 Paul and his Influence in Early Christianity (3 cr.) **CASE A&H, CASE GCC**
- REL-A 335 Introduction to Jewish Mysticism (3 cr.) **CASE A&H, CASE GCC**
- REL-A 375 Women in the Bible (3 cr.) **CASE A&H** Credit given for only one of A375 or JSTU-J 375.
- REL-A 415 Topics in Ancient Israelite Religion (3 cr.) **CASE A&H, CASE GCC** Topics: Biblical Justice; The Poetics of Biblical Narrative; Studies in Rabbinic and Talmudic Literature
- REL-A 430 Topics in the History of Judaism (3 cr.) **CASE A&H** Topics: Bible and Beyond: Reading Early Jewish Literature; The Question of the Jew; The Struggle for the Holy Land: Power, Piety, and Politics in the Israeli/Palestinian Conflict; Talmud
- REL-A 440 Judaism and Gender: Philosophical and Theological Perspectives (3 cr.) **CASE A&H, CASE GCC** Credit given for only one A440 or REL-R 421.
- REL-A 450 Topics in the History of Christianity (3 cr.) **CASE A&H, CASE GCC** Topics: The Bible and Slavery; Jews and Christians
- REL-C 230 American Jewish History (3 cr.) **CASE S&H, CASE DUS** Credit given for only one of C230, JSTU-J 259, or HIST-H 259.
- REL-C 323 Jews and Race in the United States (3 cr.) **CASE A&H, CASE DUS** Credit given for only one of C323 or JSTU-J 310.
- REL-D 300 Studies in Theory, Ethics, and Comparison (3 cr.) **CASE A&H** Topic: Dilemmas of Modern Judaism
- REL-D 362 Religious Issues in Contemporary Judaism (3 cr.) **CASE A&H, CASE GCC**
- REL-D 385 Messianism and Messiahs in Comparative Perspective (3 cr.) **CASE A&H, CASE GCC**
- REL-D 410 Topics in Religious Philosophy (3 cr.) **CASE A&H** (Topics related to Jewish Studies)

- REL-R 152 Jews, Christians, Muslims (3 cr.) **CASE A&H, CASE GCC** Topic: The Binding of Isaac in Judaism, Christianity, and Islam

## Journalism

**Note:** As of July 1, 2014, Journalism will be part of The Media School in the College of Arts and Sciences. However, students who matriculate during the 2014–2015 school year will continue without any change in requirements for the Bachelor of Arts in Journalism degree.

- [Bachelor of Arts in Journalism](#)
- [Certificate in Journalism](#)

## Latin American and Caribbean Studies

### Introduction

The Latin American and Caribbean Studies Program (LTAM) is an interdepartmental program offering integrated study opportunities to students planning careers in teaching, research, journalism, government, and business. Recognizing the varied objectives of students, the Latin American and Caribbean studies faculty has attempted to provide diverse formats and levels of study in the program.

Although the program offers no undergraduate major, students may choose Latin American and Caribbean studies as a minor or obtain a certificate along with the bachelor's degree in an academic discipline. In either case, the program provides the student with a basic knowledge of the anthropology, art, economics, folklore, geography, history, languages, literatures, music, and politics of Latin America. These credentials are especially useful to students who contemplate advanced study in the area or who plan to work or live in Latin America. Students may elect to complete the minor or the certificate but not both.

The Latin American and Caribbean Studies Program is affiliated with the new School of Global and International Studies (SGIS), an autonomous unit within the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising. SGIS serves an economically, culturally and generationally diverse student body.

### Contact Information

Center for Latin American and Caribbean Studies  
Indiana University  
1125 E. Atwater Avenue  
Bloomington, IN 47401

(812) 855-9097  
[clacs@indiana.edu](mailto:clacs@indiana.edu)

[www.iub.edu/~clacs/](http://www.iub.edu/~clacs/)

## Faculty

### Director

- Associate Professor L. Shane Greene (Anthropology)

### Lecturer

- Quetzil Castañeda (Latin American and Caribbean Studies)

### Affiliated Faculty

### Distinguished Professors

- Richard Bauman (Emeritus, Folklore and Ethnomusicology, Anthropology, Communication and Culture)
- Keith Clay (Biology)

### Chancellor's Professors

- Robert Arnove (Emeritus, School of Education)
- Patrick McNaughton (History of Art)
- Anya Peterson Royce (Anthropology, Comparative Literature)

### Bernardo Mendel Professor

- Daniel James (History)

### Rudy Professors

- Jeffrey L. Gould (History)
- Emilio Moran (Distinguished Professor Emeritus, Anthropology)
- Albert Valdman (Emeritus, French and Italian, Linguistics)

### Provost Professors

- K. Anne Pyburn (Anthropology)
- Richard Wilk (Anthropology)

### Richard S. Melvin Professor

- Kevin D. Brown (Maurer School of Law)

### John F. Mee Chair of Management

- Herman Aguinis (Kelley School of Business)

### Professors

- Akwasi B. Assensoh (Emeritus, African American and African Diaspora Studies)
- Maryellen Bieder (Emerita, Spanish and Portuguese)
- Eduardo Brondizio (Anthropology)
- Mary Clayton (Emerita, Spanish and Portuguese)
- J. Clancy Clements (Spanish and Portuguese, Linguistics)
- Claus Clüver (Emeritus, Comparative Literature)
- Deborah Cohn (Spanish and Portuguese, American Studies)
- Geoffrey Conrad (Emeritus, Anthropology)
- Dennis Conway (Emeritus, Geography)
- Della Collins Cook (Anthropology)

- Luis Dávila (Emeritus, Spanish and Portuguese)
- Tom Evans (Geography)
- Kimberly L. Geeslin (Spanish and Portuguese)
- Peter Guardino (History)
- Eileen Julien (Comparative Literature, French and Italian)
- Catherine Larson (Spanish and Portuguese)
- Bradley Levinson (School of Education)
- Michael Martin (Communication and Culture, American Studies)
- Heitor Martins (Emeritus, Spanish and Portuguese)
- John McDowell (Folklore and Ethnomusicology)
- Kathleen Myers (Spanish and Portuguese)
- Christiana Ochoa (Maurer School of Law)
- Iris Rosa (African American and African Diaspora Studies)
- Darlene Sadlier (Emerita, Spanish and Portuguese)
- Gustavo Sainz (Emeritus, Spanish and Portuguese)
- Virginia Vizthum (Anthropology)

#### **Associate Professors**

- Claudia Avellaneda (School of Public and Environmental Affairs)
- Anke Birkenmaier (Spanish and Portuguese)
- Bonnie Brownlee (Journalism)
- Judah Cohen (Jewish Studies, Folklore and Ethnomusicology)
- Serafin Coronel-Molina (School of Education)
- Arlene Diaz (History)
- Manuel Díaz-Campos (Spanish and Portuguese)
- Patrick Dove (Spanish and Portuguese)
- John Dyson (Emeritus, Spanish and Portuguese)
- Juan Carlos Escanciano (Economics)
- J. César Félix-Brasdefer (Spanish and Portuguese)
- Lessie Jo Frazier (Gender Studies)
- Michael Gasser (Emeritus, Cognitive Science, School of Informatics and Computing)
- L. Shane Greene (Anthropology)
- Vivian Halloran (American Studies, English)
- Stephanie Kane (Criminal Justice)
- Stacie Marie King (Anthropology)
- Rebecca Martínez (School of Education)
- Sylvia Martinez (School of Education)
- Carmen Medina (School of Education)
- Eden Medina (School of Informatics and Computing)
- Alejandro Mejías-López (Spanish and Portuguese)
- Luciana Namorato (Spanish and Portuguese)
- John Nieto-Phillips (History, Latino Studies)
- Oana Panaïté (French and Italian)
- Philip Parnell (Criminal Justice)
- Armando Razo (Political Science)
- Laura Scheiber (Anthropology)
- Micol Seigel (American Studies, History)
- Pravina Shukla (Folklore and Ethnomusicology)
- Michael Spiro (Jacobs School of Music)
- Marvin Sterling (Anthropology)
- Daniel Suslak (Anthropology)
- Catherine M. Tucker (Anthropology)
- Estela Vieira (Spanish and Portuguese)
- Reyes Vila-Belda (Spanish and Portuguese)
- Erik Willis (Spanish and Portuguese)

#### **Assistant Professors**

- Cara Caddoo (American Studies)
- Babur De Los Santos (Kelley School of Business)
- Lucia Guerra-Reyes (School of Public Health)
- Laura Gurzynski-Weiss (Spanish and Portuguese)
- Ricardo Andrés Guzman (Spanish and Portuguese)
- Javier León (Folklore and Ethnomusicology)
- Joshua Malitsky (Communication and Culture)
- Sylvia Martinez (School of Education)
- Jason McGraw (History, American Studies)
- Carmen Medina (School of Education)
- Alfonso Pedraza-Martinez (Kelley School of Business)
- Jonathan Risner (Spanish and Portuguese)
- Rinku Roy Chowdhury (Geography)
- Stephen Selka (Religious Studies, American Studies)

#### **Clinical Professors**

- P. Roberto Garcia (Kelley School of Business)
- Katie Grove (School of Public Health)

#### **Adjunct Professors**

- Stepanka Korytova (International Studies)
- Andrea Siqueira (Anthropology)

#### **ArcelorMittal Distinguished Lecturer**

- Greg Kitzmiller (Kelley School of Business)

#### **Senor Lecturers**

- Vania Castro (Spanish and Portuguese)
- James K. Self (Economics)
- April Sievert (Anthropology)

#### **Lecturer**

- Charles Beeker (School of Public Health)

#### **Academic Specialists**

- Erick Carballo (Latin American Music Center)
- John D. Galuska (Foster International Living-Learning Center)
- Hilary Kahn (Center for the Study of Global Change)

#### **Librarian**

- Luis González (Wells Library)

#### **Advisor**

- [jeashcra@indiana.edu](mailto:jeashcra@indiana.edu)

## **Certificate in Latin American and Caribbean Studies**

The certificate is awarded upon graduation to students who have demonstrated knowledge of Latin America beyond the level of a normal minor in accord with the requirements listed below. (Students may elect to complete the minor or the certificate but not both.) Curriculum planning should be done in consultation with the undergraduate advisor for Latin American and Caribbean Studies.

#### **Academic Standing**

For entrance into the certificate program, a student shall have at least a B– average or the permission of the director. In order to receive the certificate, the student shall achieve at least a B average in the courses taken to complete these requirements.

## Language Requirements

Students may choose either Spanish or Portuguese and must take at least two courses (6 credit hours minimum) taught in the language beyond the College foreign language requirement. These credit hours may include advanced courses in conversation, composition, literature, or culture, taught in the language. Oral proficiency in the language shall be demonstrated by the student to the satisfaction of the Department of Spanish and Portuguese or its delegate. Any language course that appears on the list below may be counted toward the certificate requirements.

## Required Courses

Students must complete the following:

1. A total of 24 credit hours in course work related to the Latin American and Caribbean region. At least 9 of the 24 credit hours must be at the 300–400 level.
2. At least one semester of a Latin American and Caribbean Studies seminar and the L210-L211 sequence must be part of the total. If no relevant seminar is offered during an academic year, an approved readings course may be substituted.

A maximum of 6 credit hours in a student's major may be credited toward the Certificate in Latin American and Caribbean Studies.

## Minor in Latin American and Caribbean Studies

Students should develop their minor in consultation with their respective departmental advisors and the undergraduate advisor of the Latin American and Caribbean Studies Program. Students may elect to complete the minor or the certificate but not both.

## Required Courses

The minor comprises at least 15 credit hours of course work within the College of Arts and Sciences related to the Latin American and Caribbean region, including the L210–L211 sequence and at least 9 credit hours at the 300–400 level. In order to complete the minor, students must also meet the College Foreign Language requirement with one of the following languages: Spanish, Portuguese, Haitian Creole, Quechua, or Yucatec Maya. Any course in which the student receives a grade below C– may not be used to fulfill a minor requirement.

A maximum of 6 credit hours in a student's major may be credited toward the minor in Latin American and Caribbean Studies.

## Overseas Study

Qualified students have the opportunity to study in certain Latin American countries in one of the overseas study programs of the university. The Latin American and Caribbean Studies Program encourages students to take advantage of such opportunities. Credit earned in overseas study programs may fulfill part of either the minor or the certificate requirements. For more information, see the section of this *Bulletin* entitled "Overseas Study Programs," which appears under "Distinctions and Opportunities," or contact the [Office of Overseas Study](#), Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304.

## Course Descriptions

The following courses may be complemented by offerings related to Latin America and the Caribbean in other departments.

### **LTAM-C 101 Elementary Haitian Creole I (4 cr.)**

Introduction to Haitian Creole, the vernacular language of Haiti spoken by over 9 million people; conversational drills, grammatical explanations and exercises, listening comprehension training, aspects of Haitian culture.

### **LTAM-C 102 Elementary Haitian Creole II (4 cr.)**

P: Grade of C or higher in C101 or equivalent proficiency. Focus on reading non-specialized texts and learning about the rich, African-based folk culture and religion of the world's first black republic.

### **LTAM-C 201 Intermediate Haitian Creole I (3 cr.)**

P: Grade of C or higher in C102 or equivalent proficiency. Builds on skills acquired in C102 with the aim of improving conversational fluency and the ability to read nonspecialized texts.

### **LTAM-C 202 Intermediate Haitian Creole II (3 cr.)**

P: Grade of C or higher in C201 or equivalent proficiency. Focus on expanding and refining conversational skills, reading and writing more specialized texts, and increased knowledge of Haitian culture and history.

### **LTAM-L 200 Topics in Latin American Studies (3 cr.)**

**CASE S&H** An introduction to different aspects of Latin American and/or Caribbean cultures and societies. Focuses on one country or region, which will vary. All readings in English. May be repeated with a different focus (country or region) for a maximum of 6 credit hours.

### **LTAM-L 210 The Latin American Experience (3 cr.)**

**CASE S&H, CASE GCC** Introduction to Latin America: geography, heritage, and process from pre-Columbian civilizations to colonies and nations.

### **LTAM-L 211 Contemporary Problems in Latin America (3 cr.)**

**CASE S&H, CASE GCC** Introduction to pertinent problems of twentieth-century Latin America, such as industrialization, urbanization, revolution, and self-expression.

### **LTAM-L 305 Spanish and Portuguese Across the Curriculum (1 cr.)**

P: Language proficiency in target language equivalent to completion of fourth semester, or consent of instructor. C: Host course specified each semester. Offers the opportunity to improve the Spanish or Portuguese language skills of conversation, reading, writing, and comprehension. Class is to be taken concurrently with a host course that offers a Spanish and Portuguese Across the Curriculum section. Discussions and assignments related to the host course will be performed in the studied language. May be repeated with a different topic for a maximum of 3 credit hours.

### **LTAM-L 327 Latin American and Caribbean Language (3 cr.)**

P: Consent of instructor. Advanced study in one of the less commonly taught languages of Latin America or the Caribbean. May be repeated for a maximum of 6 credit hours.

### **LTAM-L 400 Contemporary Mexico (3 cr.)**

**CASE S&H, CASE GCC** Places contemporary Mexico in historical perspective, focusing on the nineteenth and twentieth centuries. Topics include the causes and consequences of

the 1910 revolution, the position of the Indian, the political system, problems of dependent economic growth, cultural values and social change, and relations with the U.S. from a Mexican viewpoint. Credit given for only one of L400, HIST F346, or HIST F446.

**LTAM-L 401 Seminar: Contemporary Latin America (3 cr.)** Study of two regions; one topic for each region, or one topic for the two regions. Regions to be cycled: Mexico, Caribbean and Central America, Andean countries, Southern Cone, Brazil. May be repeated once for credit.

**LTAM-L 402 Contemporary Brazil (3 cr.) CASE S&H, CASE GCC** A survey of the culture of Brazil today: people, politics, religion, education, agriculture, industrial development, literature, music, and art. Lectures by members of various departments and visiting scholars. All reading in English.

**LTAM-L 403 Contemporary Central America (3 cr.) CASE S&H, CASE GCC** Analyzes the contemporary conflicts in Central America by placing them in historical perspective. Includes such topics as the relation between socioeconomic structures and politics, the impact of World War II and agro-export development, agrarian reform, revolution, democratization, and relations with the United States.

**LTAM-L 420 New Latin American Cinema (3 cr.) CASE A&H, CASE GCC** A survey of Latin American film from the 1950s to the present. Taught in English, this course is interdisciplinary and cross-cultural and emphasizes the socioeconomic and political issues that gave rise to a specific movement.

**LTAM-L 426 Special Topics in Latin American and Caribbean Studies (1-3 cr.)** Intensive study and analysis of selected Latin American and Caribbean problems of limited scope within an interdisciplinary format. Topics will vary but will ordinarily cut across fields, regions, or periods. May be repeated with different topics for a maximum of 9 credit hours.

**LTAM-L 495 Undergraduate Readings in Latin American and Caribbean Studies (1-3 cr.)** Designed to accommodate a student's individual interest in those thematic or regional areas in which courses are not offered but in which professors have expertise. May be repeated for a maximum of 6 credit hours.

**LTAM-M 101 Elementary Yucatec Maya I (4 cr.)** Introduction to Yucatec Maya language and culture. Yucatec Maya is an indigenous language of Mexico spoken by close to 1 million people; basic grammatical structure and vocabulary; conversational drills; and lessons on historical and cultural context.

**LTAM-M 102 Elementary Yucatec Maya II (4 cr.)** P: Grade of C or higher in M101 or equivalent proficiency. The second semester of Yucatec Maya emphasizes vocabulary-building, simple conversation, beginning writing, and common grammatical patterns.

**LTAM-M 201 Intermediate Yucatec Maya I (3 cr.)** P: Grade of C or higher in M102 or equivalent proficiency. Development of listening and comprehension skills. More complex grammatical constructions. Deepens understanding of Mayan culture.

### **LTAM-M 202 Intermediate Yucatec Maya II (3 cr.)**

P: Grade of C or higher in M201 or equivalent proficiency. Development of conversation skills. Reading and writing practice using contemporary Maya orthography. Exploration of Mayan culture and history.

**LTAM-Q 101 Elementary Quechua I (4 cr.)** Introduction to Quechua, spoken by over 13 million people across the Andean Nation of South America; basic grammar and vocabulary; an introduction to the culture and history of the Andean region.

**LTAM-Q 102 Elementary Quechua II (4 cr.)** P: Grade of C or higher in Q101 or equivalent. Builds on the basic vocabulary and grammar lessons of Q101 and introduces further aspects of Andean culture and history.

**LTAM-Q 201 Intermediate Quechua I (3 cr.)** P: Grade of C or higher in Q102 or equivalent proficiency. Focuses on more advanced grammatical constructions, vocabulary building, conversational drills, reading and writing Quechua texts.

**LTAM-Q 202 Intermediate Quechua II (3 cr.)** P: Grade of C or higher in Q201 or equivalent. Focus on refining conversational skills, practicing more extensive reading and writing of Quechua texts and increased knowledge of the Andean region.

## **Cross-Listed Courses that Count toward the Minor and the Certificate**

Some of the following cross-listed courses may at times be joint-listed under Latin American and Caribbean Studies. For general seminars, readings, fieldwork, foreign study, or variable topic sections, students should verify Latin American and Caribbean Studies credit with the Latin American and Caribbean Studies academic advisor. Students may find a course on Latin American and Caribbean Studies that is not listed below. In such a case, they should consult the Latin American and Caribbean Studies academic advisor.

### **African American and African Diaspora Studies**

- AAAD-A 221 Dance in the African Diaspora (3 cr.)
- AAAD-A 350 Black Atlantic (3 cr.) **CASE A&H, CASE GCC**

### **American Studies**

- AMST-A 200 Comparative American Identities (3 cr.) **CASE A&H, CASE DUS**
- AMST-A 201 Borders and Borderlands (3 cr.) **CASE S&H**
- AMST-A 202 U.S. Arts and Media (3 cr.) **CASE A&H** Approved topic: Cold War, Revolution, and Literature in the Americas
- AMST-A 351 Advanced Topics in Social and Historical Studies for American Studies (3 cr.) **CASE A&H** Approved topics: History of U.S. Latinos; Third World Cinema
- AMST-A 399 Advanced Topics in Social and Historical Studies for American Studies (3 cr.) **CASE S&H** Approved topics: History of U.S. Latinos; Third World Cinema

### **Anthropology**

- ANTH-A 200 Topics in Anthropology of Culture and Society (3 cr.) **CASE S&H** Approved topic: Tourism: Cultures and Politics

- ANTH-A 208 Anthropology of Arts and Expressive Behavior (3 cr.) **CASE A&H** Approved topic: Arts, Politics and Culture
- ANTH-A 406 Fieldwork in Anthropology (cr. arr.)
- ANTH-A 495 Individual Readings in Anthropology (2–4 cr.)
- ANTH-A 496 Field Study in Anthropology (cr. arr.)
- ANTH-B 310 Bioanthropology: A History of Ideas (3 cr.) **CASE S&H**
- ANTH-B 472 Bioanthropology of Aboriginal America (3 cr.)
- ANTH-E 200 Social and Cultural Anthropology (3 cr.) **CASE S&H**
- ANTH-E 208 Global Jazz, Reggae, and Hip Hop: African Diasporic Music Beyond the African Diaspora (3 cr.) **CASE A&H**
- ANTH-E 210 Rethinking Race Globally (3 cr.) **CASE S&H**
- ANTH-E 300 Culture Areas and Ethnic Groups (1–3 cr.) Approved topic: Photography and Ethnography
- ANTH-E 321 Peoples of Mexico (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 322 Peoples of Brazil (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 393 World Fiction and Cultural Anthropology (3 cr.)
- ANTH-E 335 Ancient Civilizations of Mesoamerica (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 340 Indians of Mexico and Central America (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 400 Undergraduate Seminar (3 cr.) Approved topic: Anthropology of Citizenship
- ANTH-E 426 Coffee Cultures: Production and Markets (3 cr.)
- ANTH-E 456 Anthropology of Race (3 cr.)
- ANTH-E 460 The Arts in Anthropology (3 cr.) **CASE A&H** Approved topic: Arts: Creativity and Collaboration
- ANTH-E 463 Anthropology of Dance (3 cr.) **CASE A&H**
- ANTH-E 474 The Anthropology of Human Rights (3 cr.)
- ANTH-P 200 Introduction to Archaeology (3 cr.) **CASE S&H**
- ANTH-P 230 Archaeology of the Ancient Maya (3 cr.) **CASE S&H, CASE GCC**
- ANTH-P 370 Ancient Civilizations of the Andes (3 cr.) **CASE GCC**
- ANTH-P 430 Archaeology of Violence and Conflict (3 cr.) **CASE S&H**

#### **College of Arts and Sciences**

- COLL-C 104 Critical Approaches to the Social and Historical Studies (3 cr.) **CASE S&H, CASE CAPP** Approved topics: Chocolate, Food of the Gods; Youth Subcultures and Music; Race, Love, and Conquest; Rise and Fall of Ancient Civilizations

#### **Communication and Culture**

- CMCL-C 420 Topics in Media History (3 cr.) **CASE S&H**
- CMCL-C 427 Cross-Cultural Communication (3 cr.)

#### **Criminal Justice**

- CJUS-P 305 Deviant Images/Deviant Acts (3 cr.) **CASE S&H**
- CJUS-P 401 Environmental Justice (3 cr.) **CASE S&H, CASE GCC**

#### **Economics**

- ECON-E 303 Survey of International Economics (3 cr.) **CASE S&H**
- ECON-E 331 International Trade (3 cr.)
- ECON-E 332 International Monetary Economics (3 cr.)
- ECON-E 337 Economic Development (3 cr.)
- ECON-E 496 Foreign Study in Economics (3–8 cr.; once only) **CASE S&H**

#### **English**

- ENG-L 383 Studies in British or Commonwealth Cultures (3 cr.) Approved topic: Literary Expression in the Global Caribbean

#### **Fine Arts**

- FINA-A 452 Art of Pre-Columbian America (4 cr.) **CASE S&H, CASE GCC**

#### **Folklore and Ethnomusicology**

- FOLK-F 252 Folklore and the Humanities (3 cr.) **CASE A&H** Approved topic: Latinos and Hip Hop Culture
- FOLK-F 315 Latin American Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC** Approved topic: Myth, Cosmos, Healing in Latin America
- FOLK-F 356 Chicano Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE DUS** Approved topic: Latino Folklore
- FOLK-F 364 Children's Folklore/Folklife/Folk Music (3 cr.) **CASE A&H**
- FOLK-F 404 Topics in Folklore/Folklife/Folk Music (3 cr.) **CASE A&H**
- FOLK-F 420 Forms of Folklore/Folklife/Folk Music (3 cr.) **CASE A&H**
- FOLK-F 492 Traditional Music Instruments (3 cr.) **CASE A&H**

#### **Geography**

- GEOG-G 306 The Geography of Current Issues (3 cr.)
- GEOG-G 323 Geography of Latin America (3 cr.) **CASE S&H, CASE GCC**
- GEOG-G 369 The Geography of Food (3 cr.) **CASE S&H**
- GEOG-G 450 Undergraduate Readings and Research in Geography (1–3 cr.; may be repeated once for credit)

#### **History**

- HIST-A 352 History of Latinos in the United States (3 cr.) **CASE S&H, CASE DUS**
- HIST-F 100/F 200/F 300 Issues in Latin American History (3 cr.) **CASE S&H**
- HIST-F 336 Modern Central American History (3 cr.) **CASE S&H, CASE GCC**
- HIST-F 340 Modern Argentina (3 cr.) **CASE S&H, CASE GCC**

- HIST-F 346 Modern Mexico (3 cr.) **CASE S&H, CASE GCC**
- HIST-F 348 Contemporary Latin American Reality (3 cr.)
- HIST-H 211-H 212 Latin American Culture and Civilization I-II (3–3 cr.) **CASE S&H, CASE GCC**
- HIST-J 300 Seminar in History (Latin American history section) (3 cr.) **CASE S&H**
- HIST-J 400 Seminar in History (Latin American history section) (3 cr.) **CASE S&H**
- HIST-T 495 Undergraduate Readings in History (1–12 cr.)
- HIST-W 300 Issues in World History (3 cr.) Approved topic: Slavery and Unfreedom in World History

#### **Journalism**

- JOUR-J 414 International News-Gathering Systems (3 cr.)

#### **Latino Studies**

- LATS-L 101 Introduction to Latino Studies (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 102 Introduction to Latino History (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 103 Introduction to Latino Cultures (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 105 Diversity by the Numbers (3 cr.) **CASE N&M**
- LATS-L 111 Introduction to Latino Film (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 220 Introduction to Latino Literature (3 cr.) **CASE A&H, CASE DUS**
- LATS-L 301 Latino Immigrants in U.S. Society (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 302 Latinos in the Media (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 380 Latino Education across the Americas (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 396 Social and Historical Topics in Latino Studies (3 cr.) **CASE S&H, CASE DUS**
- LATS-L 398 Arts and Humanities Topics in Latino Studies (3 cr.) **CASE A&H, CASE DUS** Approved topics: Latino Folklore; Latinos and the Culture Wars
- LATS-L 400 Advanced Topics in Latino Studies (3 cr.) Approved topics: Latin American and Latino Pop Music; Latinos and Hip Hop Culture
- LATS-L 490 Individual Reading in Latino Studies (1–3 cr.)

#### **Linguistics**

- LING-L 367 Languages of the World (3 cr.) **CASE S&H**

#### **Political Science**

- POLS-Y 107 Introduction to Comparative Politics (3 cr.) Approved topic: World Politics **CASE S&H**
- POLS-Y 109 Introduction to International Relations (3 cr.) **CASE S&H**
- POLS-Y 337 Latin American Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 376 International Political Economy (3 cr.) **CASE S&H**
- POLS-Y 480 Undergraduate Readings in Political Science (1–6 cr.)

- POLS-Y 496 Foreign Study in Political Science (3–8 cr.)

#### **Religious Studies**

- REL-C 402 Religion, Illness and Healing (3 cr.) **CASE A&H, CASE DUS**

#### **Sociology**

- SOC-S 335 Race and Ethnic Relations (3 cr.) **CASE S&H, CASE DUS**

#### **Spanish and Portuguese**

- HISP-P 400 Literatures of the Portuguese-Speaking World I (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 415 Women Writing in Portuguese (3 cr.) **CASE A&H**
- HISP-P 425 Structure of Portuguese Language (3 cr.)
- HISP-P 470 Poetry in Portuguese (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 475 Theatre in Portuguese (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 476 Prose in Portuguese (3 cr.) **CASE A&H, CASE GCC**
- HISP-P 494 Readings in Luso-Brazilian Literature (1–3 cr.)
- HISP-P 495 Luso-Brazilian Colloquium (3 cr.) **CASE A&H** Approved topic: Lusophone Diaspora in Literature and the Arts
- HISP-S 220 Chicano and Puerto Rican Literature (3 cr.) **CASE A&H, CASE DUS**
- HISP-S 265 Topics in Hispanic Literature in Translation (3 cr.) **CASE A&H, CASE GCC** Approved topic: Cold War and Revolution in Literature in the Americas
- HISP-S 324 Introduction to the Study of Hispanic Cultures (3 cr.) **CASE A&H, CASE GCC**
- HISP-S 326 Introduction to Hispanic Linguistics (3 cr.) **CASE N&M**
- HISP-S 328 Introduction to Hispanic Literature (3 cr.) **CASE A&H, CASE GCC**
- HISP-S 412 Spanish America: The Cultural Context (3 cr.) **CASE A&H, CASE GCC**
- HISP-S 413 Hispanic Culture in the U.S. (3 cr.) **CASE A&H, CASE DUS**
- HISP-S 417 Hispanic Poetry (3 cr.) **CASE A&H**
- HISP-S 418 Hispanic Drama (3 cr.) **CASE A&H**
- HISP-S 420 Modern Spanish-American Prose Fiction (3 cr.) **CASE A&H**
- HISP-S 422 Hispanic Cinema (3 cr.) **CASE A&H**
- HISP-S 427 The Structure of Spanish (3 cr.) **CASE N&M**
- HISP-S 429 Hispanic Sociolinguistics (3 cr.) **CASE N&M**
- HISP-S 430 The Acquisition of Spanish (3 cr.) **CASE N&M**
- HISP-S 435 Literatura Chicana y Puertorriqueña (3 cr.) **CASE A&H**
- HISP-S 471-S472 Spanish-American Literature I-II (3–3 cr.) **CASE A&H**
- HISP-S 479 Mexican Literature (3 cr.) **CASE A&H**
- HISP-S 480 Argentine Literature (3 cr.) **CASE A&H**
- HISP-S 481 Hispanic American National/Regional Literatures (3 cr.) **CASE A&H**

- HISP-S 495 Hispanic Colloquium (1–3 cr.) Approved topics: Hispanic Culture through Drama; Literature and the Cold War in Latin America; Film Analysis and Hispanic Cinema

### **Additional Cross-Listed Courses that Count toward the Certificate**

**Note:** the College of Arts and Sciences places a limit on the number of credit hours outside of the College that count toward a degree. For further information, see "Courses Outside the College" under "Degree Requirements" in this *Bulletin*.

#### **Kelley School of Business**

- BUS-C 330 International Communication Strategies (3 cr.)
- BUS-D 270 Global Business Environments (3 cr.)
- BUS-D 490 Independent Study in International Business (cr. arr.)
- BUS-G 316 Sustainable Enterprise (3 cr.0)
- BUS-G 494 Public Policy and the International Economy (3 cr.)

#### **School of Education**

- EDUC-M 300 Teaching in a Pluralistic Society (3 cr.)
- EDUC-T 450 Cultural/Community Forces and the Schools (3 cr.)

#### **Jacobs School of Music**

- MUS-M 413 Latin American/Latino Pop Music Culture (3 cr.)
  - MUS-Z 413 Latin American Popular Music (3 cr.)
- CASE A&H, CASE GCC**

#### **School of Public and Environmental Affairs**

- SPEA-E 450 Contemporary Issues in Public Affairs (3 cr.) Approved topic: U.S. Foreign Policy and Third World Regimes

#### **School of Public Health**

- SPH-B 310 Health Care in Diverse Communities (3 cr.)

## **Latino Studies**

### **Introduction**

The Program in Latino Studies (LATS) introduces students to a wide range of current research and scholarly opinion on the history, culture, and social status of Latinos in the United States. It addresses issues embracing the members of the U.S. population whose roots are traced to original Spanish-speaking citizens of this country and immigrants from countries in Latin America and the Caribbean. The program provides the opportunity for its students to develop a deep understanding of Latinos from an interdisciplinary perspective that includes political science, sociology, history, music, literature, technology, ethnology, and anthropology.

### **Contact Information**

Department of Latino Studies  
Indiana University  
814 E. Third Street  
Bloomington, IN 47405

(812) 856-1795  
[latino@indiana.edu](mailto:latino@indiana.edu)

<http://www.indiana.edu/~latino>

## **Faculty**

### **Director**

- John Nieto-Phillips (History)

### **Professors**

- Herman Aguinis (Kelley School of Business)
- Raquel T. Anderson (Speech and Hearing Sciences)
- Deborah N. Cohn (American Studies, Spanish and Portuguese)
- Luis Dávila (Emeritus, Spanish and Portuguese)
- Luis Fuentes-Rohwer (Maurer School of Law)
- Jeffrey L. Gould (History)
- Peter Guardino (History)
- Bradley Levinson (School of Education)
- John McDowell (Folklore and Ethnomusicology)
- Christiana Ochoa (Maurer School of Law)
- Iris Rosa (African American and African Diaspora Studies)
- Alberto Torchinsky (Mathematics)

### **Associate Professors**

- Serafín Coronel-Molina (School of Education)
- Arlene Díaz (History)
- Manuel Díaz-Campos (Spanish and Portuguese)
- César Félix-Brasdefer (Spanish and Portuguese)
- Lessie Jo Frazier (Gender Studies)
- Luis A. González (Wells Library)
- L. Shane Greene (Anthropology)
- Vivian Nun Halloran (American Studies, English)
- Sylvia Martinez (School of Education)
- Rebecca Martinez (School of Education)
- Carmen L. Medina (School of Education)
- Eden Medina (School of Informatics and Computing)
- Alejandro Mejías-López (Spanish and Portuguese)
- Luciana Namorato (Spanish and Portuguese)
- John Nieto-Phillips (History)
- Fabio Rojas (Sociology)
- Daniel Suslak (Anthropology)

### **Assistant Professors**

- Anke Birkenmaier (Spanish and Portuguese)
- Bernard L. Fraga (Political Science)
- Ricardo Andrés Guzmán (Spanish and Portuguese)
- Javier León (Folklore and Ethnomusicology)
- Alberto Varon (English)

### **Visiting Assistant Professor**

- José Anguiano (American Studies)

### **Lecturer**

- Quetzil Castañeda (Latin American and Caribbean Studies)
- Fernando Orejuela (Folklore and Ethnomusicology)

**Academic Advisor**

- Sioux Hill, Ballantine 873, (812) 855-1157

**Minor in Latino Studies****Required Courses**

Students must successfully complete 15 College of Arts and Sciences credit hours, including the following:

1. 3 credit hours of course work chosen from LATS L101, L102, or L103.
2. 3 credit hours of Latino Studies course work at the 100–400 level.
3. 9 credit hours of Latino Studies course work at the 300–400 level.

**Course Descriptions****LATS-L 101 Introduction to Latino Studies (3 cr.)**

**CASE S&H, CASE DUS** General inquiry into the historical and cultural heritage of Latinos who have lived or currently live in what is today the United States. Through readings and discussions, the course studies the varied histories of Mexican, Puerto Rican, Cuban and other Latin American peoples in the United States.

**LATS-L 102 Introduction to Latino History (3 cr.) CASE S&H, CASE DUS** An introduction and overview of Latino issues beginning with a brief examination of the histories of the major Latino national groups of origin in the United States. Most of the course will examine a number of topics and issues that are key to understanding contemporary Latinos, e.g., immigration, language, education and employment.

**LATS-L 103 Introduction to Latino Cultures (3 cr.)**

**CASE S&H, CASE DUS** Introduces students to cultural diversity, histories, and experiences of Latinos in the United States. Survey course mapping general issues pertaining to these communities and explores specific questions regarding diverse Latino cultural groups. We will consider different kinds of media including ethnographic essays, cultural analysis, film, music, and dance.

**LATS-L 104 Latinas in the United States (3 cr.) CASE S&H, CASE DUS** Focuses on the experiences of Latinas, women of Latin American heritage in the United States. Although many believe Latinas arrived only recently, thousands of Latinas can trace their ancestry in territories that later became part of the United States as early as the sixteenth century. Examines how Latinas' experiences and cultural expressions are shaped by intersections of race, gender, and class.

**LATS-L 105 Diversity by the Numbers (3 cr.) CASE N&M**

Introduces methods used by social scientists to produce statistics such as averages, proportions, rates, probabilities, standard deviation, variance, and correlations. With these quantitative tools, students will use an existing database to analyze, produce, and present their own projects about the Hispanic population in the United States. By learning to read, interpret, evaluate, and produce graphical information and statistics on Latinos, students will be able to build on each other's work to create a more systematic analysis of the complexities of the Latino population.

**LATS-L 111 Latino Film: An Introduction and Overview (3 cr.) CASE S&H, CASE DUS** This course examines U.S. films by and/or about Hispanics and Latinos/as

(i.e., Mexican-American/ Chicano, Puerto Rican/Boricua, and Cuban-American). Throughout the semester, we will explore the complex relationship between the constructions of Latino/a identities, Latino/a stereotypes, and the circumstances which Latinos encounter in the U.S. as portrayed in film.

**LATS-L 200 American Borderlands (3 cr.) CASE A&H, CASE DUS**

This course will examine lived experience in North American Borderlands. It will touch on themes of migration, empire, race, gender, indigenous and imperial actors and their cultural production, and ethnic, racial and national identities in present-day borderlands between the US, Canada, Mexico, the Pacific, and the Caribbean.

**LATS-L 220 Introduction to Latino Literature (3 cr.)**

**CASE A&H, CASE DUS** Introduction to literature by and about Latinos and Latinas in the United States including poetry, short fiction, drama, essays, autobiographies, and novels. Examines representative forms of writings from a variety of Latino subgroups.

**LATS-L 228 An Interdisciplinary Look at U.S. Latino/a Identities (3 cr.) CASE S&H, CASE DUS**

Exploration of historical and contemporary constructions of Latino/a identities and experiences in the U.S. Emphasizes trans-cultural social contexts, racial formations, and intersections with other identities, including class, sexuality, and gender.

**LATS-L 301 Latino Immigrants in United States Society (3 cr.) CASE S&H, CASE DUS**

Examines Latino immigrants to the United States with a focus on the frequent conflict between these immigrants and various institutions and segments of United States society.

**LATS-L 302 Latinos in the Media (3 cr.) CASE S&H, CASE DUS**

Explores the complex relationship between mainstream media constructions of Hispanics and the Mexican, Puerto Rican, and Cuban migrations to the United States.

**LATS-L 303 The Latino Family (3 cr.) CASE S&H, CASE DUS**

Examines the Latino family as a social system in the U.S. Begins with an examination of how scholars approach the study of the Latino family. Also includes such topics as diversity of Latino families, marital patterns, gender roles, the status of Latino youth, social network, education, rituals based on social class, and representations in the media.

**LATS-L 304 Gender and Migration from the Caribbean (3 cr.)** Examines the immigration of Caribbean ethnic communities to the United States, as well as to other Caribbean islands, in order to study how gender relations and identities develop in a transnational context.

**LATS-L 320 Advanced Topics in Latino Literature and Culture (3 cr.) CASE A&H, CASE DUS**

Focuses on Latina/o literary and cultural production to provide an in-depth examination of a particular subject, area or theme in Latina/o Studies. Possible topics include a survey of a specific historical period in Latina/o literature, a literary form or genre in Latina/o literature, or the methodologies employed by Latina/o cultural studies. May be repeated with a different topic for a maximum of 6 credit hours.

**LATS-L 380 Latino Education across the Americas (3 cr.) CASE S&H, CASE DUS**

Overview of important patterns and issues in Latino education. Includes study of

major Latin American educational trends and traditions. Focus on the cultural contexts of Latino education; challenges faced by Latinos in contemporary U.S. schools; and strategies for improving Latino educational achievement. Credit not given for both L380 and EDUC H380.

**LATS-L 396 Social and Historical Topics in Latino Studies (3 cr.) CASE S&H, CASE DUS** Study of historical and current issues affecting Latino communities and Latino integration into U.S. mainstream society. Topics may vary. May be repeated with a different topic for a maximum of 9 credit hours.

**LATS-L 398 Arts and Humanities Topics in Latino Studies (3 cr.) CASE A&H, CASE DUS** Examination of literature, art, music, performance, and other forms of aesthetic expression pertaining to the study and understanding of Latinos. Topics may vary. May be repeated with a different topic for a maximum of 6 credit hours.

**LATS-L 400 Advanced Topics in Latino Studies (3 cr.)** Analysis of selected Latino Studies topics. May be repeated with a different topic for a maximum of 6 credit hours.

**LATS-L 490 Individual Reading in Latino Studies (1-3 cr.)** P: Consent of department. Intensive study of selected authors and/or topics. May be repeated with a different topic for a maximum of 6 credit hours.

## Related Courses

### Communication and Culture

- CMCL-C 412 Race, Gender, and Representation (3 cr.) **CASE S&H**

### English

- ENG-L 354 American Literature since 1914 (3 cr.) **CASE A&H** Topic: Americano Fiction
- ENG-L 374 Ethnic American Literature (3 cr.) **CASE A&H, CASE DUS** Topic: Introduction to Chicano Literature
- ENG-L 384 Studies in American Culture (3 cr.) **CASE A&H** Topic: The Power of Place: Migration Culture and the Spatial Imagination

### Folklore and Ethnomusicology

- FOLK-F 356 Chicano Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE DUS**

### Sociology

- SOC-S 335 Race and Ethnic Relations (3 cr.) **CASE S&H, CASE DUS**

### Spanish and Portuguese: Literature and Culture

- HISP-S 220 Chicano-Puerto Rican Literature (3 cr.) **CASE A&H, CASE DUS**
- HISP-S 260 Introduction to Hispanic Film (3 cr.) **CASE A&H, CASE GCC**
- HISP-S 413 Hispanic Culture in the United States (3 cr.) **CASE A&H, CASE DUS**
- HISP-S 471-S 472 Spanish American Literature I-II (3-3 cr.) **CASE A&H**

### Telecommunications

- TEL-T 413 Global Media Issues (3 cr.) **CASE S&H**

## Liberal Arts and Management Program

### Introduction

The Liberal Arts and Management Program (LAMP) is an honors-level, interdisciplinary certificate program offered by the College of Arts and Sciences in cooperation with the Kelley School of Business. LAMP combines a liberal arts or science major with specialized training in business and management to prepare strong students with wide interests and leadership potential for exciting futures. Selected on a competitive basis, undergraduates pursuing a major in the College of Arts and Sciences enter the three-year LAMP program as sophomores. LAMP students acquire both technical business and management skills and an understanding of the social, political, and cultural contexts that shape business life. Building on the bachelor's degree requirements of the College, students in LAMP take courses in management, business law, and computer applications in the Kelley School of Business and economics courses in the College. To draw together their course work in business, economics, and liberal arts, LAMP students take the program's own seminars. Through LAMP seminars, students engage in dynamic, deeply thought-provoking writing- and discussion-centered learning. As they solve real-world business problems and analyze the relationships between business and society, students connect with faculty who bring many perspectives from different disciplines.

### Admission to LAMP

LAMP has two application periods each academic year: freshmen may apply online during the spring semester and sophomores and transfer students during the fall semester. Candidates for LAMP will be selected on the basis of their academic achievement and promise, leadership potential, and ability to articulate their reasons for pursuing an interdisciplinary program combining arts and sciences with business.

Typically, applicants will not yet be students in the College of Arts and Sciences when they are admitted to LAMP. In order to continue in the program, students must declare their major in a department of the College during their sophomore year and maintain an overall grade point average of 3.300 or higher.

Although it is not required for admission, LAMP encourages interested students to prepare themselves during the freshman year for the program's curriculum by taking the following:

1. Foundations requirement in English Composition.
2. MATH-M 118 or S118 Finite Mathematics; or MATH-M 119 Brief Survey of Calculus; or MATH-M 211 Calculus I; or MATH-M 213 Accelerated Calculus.
3. At least one semester of a foreign language.
4. ECON-E201 or S201 Introduction to Microeconomics.
5. At least one course in the intended major area.

## Contact Information

Liberal Arts and Management Program  
Indiana University  
Wylie Hall 247  
Bloomington, IN 47405

(812) 856-4966  
[lamp@indiana.edu](mailto:lamp@indiana.edu)  
[www.indiana.edu/~lamp](http://www.indiana.edu/~lamp)

## Faculty

### Director and James H. Rudy Professor of Sociology

- Pamela Barnhouse Walters

### Associate Director and Academic Specialist

- Michael J. DeNunzio

### Assistant Director and Academic Specialist

- Mark Fraley

### Program Coordinator and Systems Manager

- Amanda Harper

### Program Office

- Wylie Hall 245, (812) 856-4966

## Certificate in Liberal Arts and Management

### Required Courses

To earn the Certificate in Liberal Arts and Management, students admitted to the program must satisfy all general requirements for a degree from the College of Arts and Sciences, maintain a grade point average of 3.300 or higher, and earn a grade of C– or higher in each course outlined below:

1. Three courses in the College (to be completed by the end of a student's sophomore year) that are basic to the study of management and other business topics (9–10 cr.):

- Economics—Both of the following:
  - ECON-E 201 Introduction to Microeconomics\* (ECON-S 201 is the honors section)
  - ECON-E 202 Introduction to Macroeconomics\* (ECON-S 202 is the honors section)
- Mathematics—Select one of the following:
  - MATH-M 118 Finite Mathematics\* (MATH S118 is the honors section)
  - MATH-V 118 Finite Mathematics with Applications (Approved topic: Finite Mathematics for the Social and Biological Sciences)\*
  - MATH-M 119 or S119 Brief Survey of Calculus\*
  - MATH-M 211 Calculus I\*
  - MATH-M 212 or S212 Calculus II\* (MATH S212 is the honors section)
  - MATH-M 213 Accelerated Calculus\*

2. The following courses in the Kelley School of Business or approved substitute in the College of Arts and Sciences that help develop fundamental management skills (15–16 cr.)

- Accounting—Select one of the following options:
  - BUS-A 200 Foundations of Accounting\*
  - BUS-A 100 Introduction to Accounting **and** A201 Introduction to Financial Accounting\* (BUS-A 205 is the honors section)
- Computer Skills—Select one of the following options:
  - The Computer in Business\* (BUS-K 204 is the honors section)
  - CSCI-A 110 – Introduction to Computers and Computing\*
- Business Law:
  - BUS-L 201—The Legal Environment of Business (BUS-L 293 is the honors section)
- Management:
  - BUS-X 333 Managing Business Functions
- Business elective—Select one of the following options:
  - BUS-Z 302 Managing and Behavior in Business (BUS-Z 304 is the honors section)
  - BUS-D 301 The International Business Environment
  - BUS-L 312 The Ethical Responsibility of Business
  - BUS-F 428 Investment Banking I\*\* and BUS-F 429 Investment Banking II\*\* (1.5 cr. each)
  - BUS-J 420 Advanced Case Analysis and Effective Consulting Presentations and BUS-X 403 Management Consulting\*\*\* (1.5 cr. each)

3. Four Liberal Arts and Management Program seminars in the College that draw together students' course work in business, economics, and liberal arts (11 cr.):

- LAMP-L 216 Sophomore Seminar: Business and the Humanities (Business, Culture, Society)
- LAMP-L 316 Junior Seminar: Analytical Problem Solving (Statistics, Analysis, Problem Solving)
- LAMP-L 416 Senior Seminar: Liberal Arts and Management (Policy, Ethics, Leadership)
- LAMP-X 298 Career Development for Liberal Arts and Management Program Students (2 cr.)

\* These courses must be completed prior to enrollment in LAMP-L 316 and preferably in the student's sophomore year.

\*\*BUS-F 428 and BUS-F 429 are part of the Investment Banking Workshop through the Kelley School of Business and require an application for admission.

\*\*\*BUS J420 and BUS X403 are part of the Management Consulting Workshop through the Kelley School of Business and require an application for admission.

For further information, please contact the Liberal Arts and Management Program, Wylie Hall 245, (812) 856-4966, [lamp@indiana.edu](mailto:lamp@indiana.edu), or consult the program website at [www.indiana.edu/~lamp](http://www.indiana.edu/~lamp).

## Course Descriptions

**LAMP-L 216 Sophomore Seminar: Business and the Humanities (3 cr.)** Open to sophomores in the Liberal

Arts and Management Program only. A topical seminar that introduces students to fundamental issues in the relationship between business and society. Topics vary with the instructor and year and include advertising in American culture and big business in American society.

**LAMP-L 316 Junior Seminar: Analytical Problem Solving (3 cr.) CASE N&M** Open to juniors in the Liberal Arts and Management Program only. A discussion course emphasizing the use of quantitative methods and analytical skills in exploring and solving business-related problems. Topics vary with the instructor and year and include mathematical modeling and operations research, organizational control, and corporate finance.

**LAMP-L 416 Senior Seminar: Liberal Arts and Management (3 cr.)** Open to seniors in the Liberal Arts and Management Program only. A discussion course drawing together aspects of other LAMP courses to focus on specific problems of business management and corporate policy in light of both practical and ethical considerations. Topics vary with the instructor and year and include the nature of business leadership and the legal and ethical practices of corporations.

**LAMP-X 215 Critical Thinking Discussion (1 cr.)** C: LAMP-L 216. Open only to LAMP students. The lab focuses on critical thinking and writing skills as applied in undergraduate writing and beyond. Through reading, take-home assignments and in-class exercises, students will hone their critical thinking, logic and writing habits.

**LAMP-X 298 Career Development for Liberal Arts and Management Program Students (2 cr.)** Open to sophomores in the Liberal Arts and Management Program only. Development of strategies and tools needed for Liberal Arts and Management Program students to identify and analyze their personal values, interests, and abilities. Exploration of vocational options and creation of a lifelong career development plan that accentuates the unique skills and assets of Liberal Arts and Management Program students.

**LAMP-X 398 Internship for LAMP (1-6 cr.)** Open to juniors and seniors in the Liberal Arts and Management Program only, with advance approval from the director of LAMP. Provides an opportunity for students to receive credit for supervised, career-related, full-time work appropriate to LAMP. Students may earn a maximum of 3 credits for a single internship experience. Students cannot receive credit both from LAMP and from another department or program for the same internship experience. May be repeated for a maximum of 6 credit hours.

#### Cross-Listed Course

**BUS-X 333 Managing Business Functions (3 cr.)** Open to juniors in the Liberal Arts and Management Program only. Offering a variety of real-world and simulated projects that wrestle with the complex opportunities and problems facing business managers in a variety of settings, this course emphasizes the development of strategic focus and decision-making skills under conditions of ambiguity, change, and uncertainty.

## Bachelor of Liberal Studies

### Introduction

The Bachelor of Liberal Studies (B.L.S.) is a degree with a strong liberal arts and sciences foundation designed for students who have a wide variety of interests. Because B.L.S. students choose a broad concentration area rather than a specific major, the degree offers increased flexibility that makes it unique both in the College of Arts and Sciences and Indiana University. Students who plan carefully often find that they can easily add multiple College-approved minors and certificates to their B.L.S. degree.

B.L.S. graduates are able to bring a diverse set of skills and knowledge into the workforce and pursue careers in a variety of fields, such as business, education, law, government, healthcare, real estate, social services, and industry. Some B.L.S. students go on to earn advanced degrees at professional and graduate schools.

(Note: Effective May 2014, the Bachelor of Liberal Studies has replaced the Bachelor of General Studies. Students with questions about how this change affects them should contact a B.L.S. academic advisor.)

### Concentrations

B.L.S. students complete at least 30 credit hours of approved courses in one of the following areas of concentration:

**Arts and Humanities (A&H):** Students who choose this concentration examine the complexity of human experience, interrogate the range of human thought and emotion, interpret varieties of aesthetic expression, and grapple with moral issues. The focus of the concentration is the development of interpretive and critical thinking skills.

**Social and Historical Studies (S&H):** Students who choose this concentration analyze social institutions, the behavior of individuals in social contexts and historical settings, and changes in social conditions over time. This focus of the concentration is the development of skills in inquiry and analysis, as well as overall social awareness.

**Natural and Mathematical Sciences (N&M):** Students who choose this concentration develop an understanding of physical and biological phenomena, systematic investigation, the value of scientific inquiry and hypothesis testing, and the role and approaches of mathematics. The focus of the concentration is the development of skills related to problem solving, data collection and interpretation, and quantitative reasoning.

To see which courses may count toward a given concentration area, please see the [College of Arts and Sciences CASE Designations](#) webpage and filter the list using the appropriate concentration area from the "CASE Breadth of Inquiry" menu.

### Degree Requirements

The degree requirements for the B.L.S. are available here.

### Advisors

- Andrew Koke, Owen Hall 003, 855-4993
- Nicole Wiegand, Owen Hall 003, 855-4993

# Linguistics

## Introduction

Linguistics is the scientific study of language in all its forms and uses. The Department of Linguistics (LING) offers a major in linguistics, two interdepartmental majors shared with the Departments of Anthropology and Speech and Hearing Sciences, minors in linguistics and in African languages, as well as the opportunity for interested students to take course work that satisfies the Breadth of Inquiry requirements. The curriculum is designed to broaden students' foreign language experience with the study of language structure and to introduce students to a variety of aspects of linguistic investigation, including language use, meaning, and stylistics; language change and variation; and training in linguistic analysis of phonetic, phonological, morphological, and syntactic structure.

## Contact Information

Department of Linguistics  
 Indiana University  
 Memorial Hall 322  
 Bloomington, IN 47405-7005  
 (812) 855-6456  
[lingdept@indiana.edu](mailto:lingdept@indiana.edu)  
<http://www.indiana.edu/~lingdept/>

## Faculty

### Chairman

- Robert Botne

### Professors

- Robert Botne
- J. Clancy Clements (Spanish and Portuguese)
- Stuart Davis
- Kenneth de Jong
- Steven Franks (Slavics and East European Languages and Cultures)
- Yoshihisa Kitagawa
- Samuel Gyasi Obeng
- Frances Trix (Anthropology)

### Associate Professors

- Julie Auger (French and Italian)
- Markus Dickinson
- Sandra Kübler
- Barbara Vance (French and Italian)

### Assistant Professor

- Michael Becker

### Adjunct Professors

- Kathleen Bardovi-Harlig (Second Language Studies)
- Phil Connell (Speech and Hearing Sciences)
- Laurent Dekydtspotter (French and Italian, Second Language Studies)
- Judith Gierut (Speech and Hearing Sciences, Cognitive Science)
- Tracy Hall (Germanic Studies)
- Susan Herring (School of Informatics and Computing)
- Lawrence Moss (Mathematics)

- David Pisoni (Psychological and Brain Sciences)
- Rex Sprouse (Germanic Studies)
- Natsuko Tsujimura (East Asian Languages and Cultures)

## Adjunct Associate Professors

- Isabelle Darcy (Second Language Studies)
- J. César Félix-Brasdefer (Spanish and Portuguese)
- George Fowler (Slavics and East European Languages and Cultures)
- Philip LeSourd (Anthropology)
- John Paolillo (School of Informatics and Computing)
- Kevin Rottet (French and Italian)
- David Stringer (Second Language Studies)

## Adjunct Assistant Professors

- Tessa Bent (Speech and Hearing Sciences)
- Damir Cavar
- Chien-Jer Charles Lin (East Asian Languages and Cultures)

## Academic Advising

- Krystie Herndon, Sycamore Hall 301, (812) 855-9325

## Major in Linguistics

### Required Courses

Students must complete at least 30 credit hours in linguistics and required language courses, including the following:

1. **Core Requirements:** L306, L307, L310, L431 or L441, and four electives, of which two must be at the 300–400 level. One elective may be from a related area.
2. **Language Structure Requirements:** L432, or L490, or two courses in a language approved by the department, excluding modern Germanic and Romance languages.
3. **Language Proficiency Requirement:** at least one 3 credit hour course at the 300–400 level of a foreign language. (This requirement is waived for students who double major in linguistics and a foreign language.)

At least 18 credit hours must be completed on the IU Bloomington campus. Students must complete the degree requirements of the College of Arts and Sciences.

## Computational Linguistics—B.S.

### Required Courses

### General Education and CASE Requirements

- English Composition (3 cr.)
- Mathematical Modeling (3 cr.)
- World Languages: four semesters of a foreign language or equivalent proficiency (14–16 cr.)
- One Public Oral Communication course (3 cr.)
- One Critical Approaches to the Arts and Sciences course (3 cr.)
- One Intensive Writing course (Recommended: this requirement may be fulfilled by completing one Arts and Humanities or Social and Historical Studies course that carries Intensive Writing credit.)
- Arts and Humanities: two courses (6 cr.)
- Social and Historical Studies: two courses (6 cr.)

- Natural and Mathematical Sciences: Must include at least one Natural Science course in fulfillment of the General Education curriculum, which can be combined with the math and logic foundation courses required by the major (6–8 cr.).

#### **Math and Logic Foundation Courses (9–10 cr.)**

- Mathematics: MATH-M 212 Calculus II (3 cr.)
- Statistics: STAT-S 320 Introduction to Statistics (3 cr.)
- Logic: PHIL-P 250 Introductory Symbolic Logic (3 cr.) or COGS-Q 350 Mathematics and Logic for the Cognitive and Information Sciences (4 cr.)

#### **Computational B.S. Core Requirements**

- Linguistics: LING-L 203 Introduction to Linguistic Analysis, LING-L 306 Phonetics, LING-L 307 Phonology, and LING-L 310 Syntax (12 cr.)
- Computational: LING-L 245 Language and Computers, LING-L 415 Corpus Linguistics, LING-L 435 Foundational Skills in Computational Linguistics, LING-L 445 Introduction to Computational Linguistics (12 cr.)
- Computer Science: CSCI-C 211 Introduction to Computer Science and CSCI-C 212 Introduction to Software Systems (8 cr.)

**Electives** Choose two courses (6–7 cr.) from the following:

- Linguistics: LING-L 308 Morphology, LING-L 315 Introduction to Sociolinguistics, LING-L 325 Semantics
- Informatics: CSCI-A 290 Tools for Computing, CSCI-C 241 Discrete Structures for Computer Science, COGS-C 343 Data Structures
- Cognitive Science: COGS-Q 351 Introduction to Artificial Intelligence and Computer Simulation

#### **Outside Concentration (Required)**

The outside concentration must consist of 12 credit hours at any level taken in one department. The following disciplines are appropriate for an outside concentration: cognitive science, informatics, mathematics, psychology, or a foreign language (must be different from the language used to fulfill the World Language and Culture Requirement). Alternatively, students can fulfill the requirement by completing a minor in any of these departments.

Students must also complete all degree requirements of the College of Arts and Sciences.

### **Interdepartmental Major in Linguistics and Anthropology**

#### **Required Courses**

Students must complete at least 41 credit hours in the major including a minimum of 15 credit hours in each department. At least 18 credit hours of course work must be completed at the 300-level or above.

#### **1. General core courses.** Complete all four.

- ANTH-L 200 Language and Culture (3 cr.)
- ANTH-E 200 Social and Cultural Anthropology (3 cr.)
- LING-L 203 Introduction to Linguistic Analysis (3 cr.)

- LING-L 315 Introduction to Sociolinguistics (3 cr.)

#### **2. Elective courses.** Choose at least two courses in each department (15–18 cr.).

#### **Courses in Anthropology:**

- ANTH-E 300 Culture Areas and Ethnic Groups
- ANTH-E 310 Introduction to the Cultures of Africa
- ANTH-E 320 Indians of North America
- ANTH-E 321 Peoples of Mexico
- ANTH-L 320 American Indian Languages
- ANTH-L 330 Mesoamerican Languages
- ANTH-L 400 Topical Seminar in the Ethnography of Communication
- ANTH-P 400 Evolution of Language

#### **Courses in Linguistics:**

- LING-L 306 Phonetics
- LING-L 307 Phonology
- LING-L 308 Morphology
- LING-L 310 Syntax
- LING-L 367 Languages of the World
- LING-L 480 Introduction to African Languages
- LING-L 481 Language in Africa

#### **3. Language Change--Choose one of the following courses:**

- ANTH-L 407 Language and Prehistory
- LING-L 430 Language Change and Variation

#### **4. Fieldwork--Choose one of the following courses (3 cr.):**

- ANTH-E 302 Laboratory in Ethnography
- LING-L 431 Field Methods
- LING-L 441 Field Methods in Sociolinguistics

#### **5. Language Structure--Choose one of the following options (3–8 cr.):**

- LING-L 490 Linguistic Structures (3 cr.)
- LING-L 432 Advanced Field Methods (3 cr.)
- An American Indian Language (8 cr.), such as Lakota ANTH-L 310 and L311, Yucatec Maya LTAM-M 101 and M102, or Quechua LTAM-Q 101-Q102.
- An African Language (8 cr.), such as Akan LING-K 101-K102, Bamana LING-B 101-B102, Swahili LING-S 101-S102, Yoruba LING-Y 101-Y102, or Zulu LING-Z 101-Z102.

#### **6. Additional electives** to reach at least 41 credit hours with at least 15 credit hours in each department.

Students must also complete the degree requirements of the College of Arts and Sciences.

### **Interdepartmental Major in Linguistics and Speech and Hearing Sciences (Focus on Speech Technology)**

#### **Required Courses**

Students must complete a minimum of 40 credit hours in the major. Students must also complete the degree requirements for the B.A. in the College of Arts and Sciences.

## Linguistics

1. LING-L 203 Introduction to Linguistic Analysis (3 cr.).
2. LING-L 445 The Computer and Natural Language (3 cr.).
3. LING-L 306 Phonetics (3 cr.) **or** Speech and Hearing Sciences S302 (see below).
4. At least 6 additional credit hours in Linguistics at the 300 level or above.

## Speech and Hearing Sciences

1. SPHS-S 110 Survey of Communication Disorders (3 cr.).
2. SPHS-S 201 Speech and Hearing Physiology (3 cr.) and S311 Introduction to Research in Speech, Language, and Hearing Sciences (3 cr.).
3. SPHS-S 302 Acoustics for Speech and Hearing Sciences (3 cr.) **or** Linguistics L306 (see above).
4. At least 6 additional credit hours in SPHS at the 300 level or above.

## Other Requirements

1. CSCI-C 211 Introduction to Computer Science (4 cr.).
2. At least one of the following courses (or an approved substitute):
  - PSY-P 325 Psychology of Learning (3 cr.)
  - PSY-P 329 Sensation and Perception (3 cr.)
  - PSY-P 335 Cognitive Psychology (3 cr.)
  - CSCI-C 212 Introduction to Software Systems (4 cr.)
  - CSCI-C 241 Discrete Structures for Computer Science (3 cr.)
  - COGS-Q 240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.)
  - COGS-Q 370 Experiments and Models of Cognition (4 cr.)
  - COGS-Q 260 Programming for the Cognitive and Information Sciences (2 cr.) and Q 320 Computation in the Cognitive and Information Sciences (2 cr.)
  - COGS-Q 351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.)
3. Additional courses taken from this list or from Speech and Hearing Sciences at the 300 level or above or from Linguistics at the 300 level or above to reach the minimum required total of 40 credit hours.

At least 18 credit hours must be taken on the IU Bloomington campus.

## Minor in Linguistics

### Required Courses

At least 15 College of Arts and Sciences credit hours approved by the department, including either L103 or L203. At least three courses must be at the 300 level or above. Three credit hours may be taken in a related field, subject to approval by the department. At least 9 credit hours must be taken on the Bloomington campus.

## Minor in African Languages

### Required Courses

Students must complete the following:

1. A minimum of 12 credit hours in one of the following language tracks:

- Akan: K201, K202, K301, K302
- Bamana: B201, B202, B301, B302
- Swahili: S201, S202, S301, S302
- Wolof: X201, X202, X301, X302
- Zulu: Z201, Z202, Z301, Z302

2. A minimum of 3 credit hours in either L480 or L481.

At least 9 credit hours must be taken on the Bloomington campus; IU-sponsored and co-sponsored study abroad programs may be counted among the 9 credit hours.

**Note:** Elementary 100-level language courses do not count toward the minor. Most students will need to complete 23 credit hours to satisfy all minor requirements in order to complete the prerequisite first two semesters of the relevant African language as well as the courses required for the minor.

## B.S./M.S. in Computational Linguistics

### General Education and CASE Requirements (34-41 cr.)

Students must complete IU General Education, and the following College of Arts and Sciences Education (CASE) requirements. B.S./M.S. course work can count towards the Social and Historical Studies and Natural and Mathematical Sciences Breadth of Inquiry requirements.

1. CASE Foundations: English Composition (3 cr.)
2. CASE Foundations: Mathematical Modeling (3-4 cr.)
3. CASE Foreign Language: four semesters in the same language or equivalent proficiency (10-16 cr.)
4. One Public Oral Communication course (3 cr.)
5. One CASE Critical Approaches course (3 cr.)
6. One CASE Intensive Writing course  
(Recommended: this requirement may be fulfilled by completing one CASE Arts and Humanities or CASE Social and Historical Studies course that carries Intensive Writing credit.)
7. Arts and Humanities: two courses (6 cr.)
8. Social and Historical Studies: two courses (6 cr.)
9. Natural and Mathematical Sciences: satisfied by mathematics and logic foundations courses.

### Mathematics and Logic Foundation (10-11 cr.)

- MATH-M 212 Calculus II (4 cr.)
- STAT-S 320 Introduction to Statistics (3 cr.)
- PHIL-P 250 Introductory Symbolic Logic (3 cr.) or COGS-Q 350 Mathematics and Logic for the Cognitive and Information Sciences (4 cr.)

### Linguistics Core (12 cr.)

- LING-L 203 Introduction to Linguistic Analysis (3 cr.)
- LING-L 306 Phonetics (3 cr.)
- LING-L 307 Phonology (3 cr.)
- LING-L 310 Syntax (3 cr.)

### Computational Core (12 cr.)

- LING-L 245 Language and Computers (3 cr.)
- LING-L 415 Corpus Linguistics (3 cr.)
- LING-L 435 Foundational Skills in Computational Linguistics (3 cr.)

- LING-L 445 The Computer and Natural Language (3 cr.)

### **Computer Science (11 cr.)**

- CSCI-C 211 Introduction to Computer Science (4 cr.)
- CSCI-C 212 Introduction to Software Systems (4 cr.)
- CSCI-C 241 Discrete Structures for Computer Science (3 cr.)

### **Required Outside Concentration (12 cr.)**

The outside concentration must consist of 12 credit hours at any level taken in one department. The following disciplines are appropriate for an outside concentration: cognitive science, informatics, mathematics, psychology, or a foreign language (must be different from the language used to fulfill the General Education World Language and Culture Requirement). Alternatively, students can fulfill the requirement by completing a minor in any of these departments.

Students must also complete all degree requirements of the College of Arts and Sciences.

### **Graduate Requirements:**

In addition to the above undergraduate course requirements for the B.S. component of this program, accelerated B.S./M.S. degree students must complete all graduate course work with a minimum grade of B– or above. A minimum grade of B is necessary to remain in good standing in the Graduate School.

For specific graduate course requirements for the M.S. in Computational Linguistics, please see the University Graduate School *Bulletin*.

## **Honors Program in Linguistics**

### **Requirements**

Applicants must have completed at least three courses in linguistics with a minimum GPA of 3.500; at least two of these courses must be required core courses (i.e., L306, L307, L310, L431). Applicants should have a minimum College GPA of 3.300, the recommendation of a linguistics faculty member, and a strong interest in a specific area of study.

To graduate with Honors in Linguistics, a student must have earned a minimum College GPA of 3.300, a minimum GPA of 3.500 in Linguistics courses, and a minimum grade of B in each of two required Honors courses (L399 and L499). In L499, students are required to complete original research, field work, or a language-related project, evaluated by the student's project advisor and one other faculty member.

## **Course Descriptions**

**LING-L 103 Introduction to the Study of Language (3 cr.) CASE S&H** A survey of perspectives on language, covering topics such as the relation between the form of words and sentences and their meanings, the sounds of languages and their dialect variations, the use of language in daily life, language in humans and animals, and the relationship between language and thought.

**LING-L 112 Language and Politics (3 cr.) CASE S&H** Explores how language and politics influence each other. The speeches of presidents, vice presidents,

congressmen, senators, governors, and action group members will be examined. Course topics include notions of context, political pronouns, parallelism, metaphors, questions and answers, political correctness, censorship, and the politics about languages (language policy issues).

### **LING-L 203 Introduction to Linguistic Analysis (3 cr.)**

**CASE N&M** Introduction to basic concepts of linguistic analysis, exemplifying the general principles of structural approaches to the modeling of language. Focus on, and application of, analytical methods applied in phonetics/phonology and morphology/syntax. Credit given for only one of L203 or L303.

### **LING-L 205 Language and Style (3 cr.) CASE S&H**

A study of variation in language, particularly as it affects the transmission of meaning. Geographic, social, sexual, and situational linguistic variation will be studied. The specialized forms and functions of the languages of politics, advertising, and literature will be examined in detail, as will various strategies for verbal manipulation.

### **LING-L 210 Topics in Language and Society (3 cr.)**

**CASE S&H** The study of topics relating to the role of language as a social phenomenon. May be repeated with a different topic for a maximum of 6 credit hours.

### **LING-L 214 Animal Communication (3 cr.)**

A comparative overview surveying basic aspects of animal communication, including human communication, and covering such issues as the nature of communicative signals, the relative unity versus diversity within communicating groups, and the role of learning versus innateness in communication systems.

### **LING-L 245 Language and Computers (3 cr.) CASE**

**N&M** Present-day computer systems work with human language. This course surveys issues relating natural language to computers, covers real-world applications, and provides practical experience with natural language on computers. Topics include text encoding, search technology, machine translation, dialogue systems, computer-aided language learning, and the social context of technology.

### **LING-L 306 Phonetics (3 cr.) CASE N&M**

Introduction to the nature of speech, and the physiology and process of speech production, and training in IPA transcription of utterances drawn from the languages of the world, including various English dialects. The course includes an emphasis on naturally occurring speech and understanding physical aspects of speech behavior. Some laboratory work is included.

### **LING-L 307 Phonology (3 cr.) CASE N&M**

R: L306. Basic concepts such as the phoneme and distinctive feature as defined and used within particular theories. The relationship of phonology to phonetics and morphology; exploration of salient aspects of sound structure and some characteristic modes of argumentation; extensive phonological analysis with some practice in writing phonological rules.

### **LING-L 308 Morphology (3 cr.) CASE N&M**

P: L103, L203, or L307. An introduction to morphology, the study of the internal structure of words. Topics include the concept of the morpheme, the structure of words and processes of word formation, inflection versus derivation, and issues

in morphological theory. Students will do morphological analyses on forms drawn from a variety of languages.

**LING-L 310 Syntax (3 cr.) CASE N&M** R: L203.

Examination of the basic concepts, assumptions, and argumentation of modern syntactic theory to describe and analyze common syntactic structures in English and other languages. Practice in constructing and evaluating grammars.

**LING-L 315 Introduction to Sociolinguistics (3 cr.)**

**CASE S&H** Examines the relationship between language and society. Issues include the nature of sociolinguistics; the importance of age, sex, socioeconomic status, language ideologies; why people use different dialects/languages in different situations; bilingualism and multilingualism; language choice, language attitudes, language endangerment; the relevance of sociolinguistics to general linguistics theory.

**LING-L 325 Semantics (3 cr.) CASE N&M** R: L203. An introduction to the relationship between linguistic forms and their meanings, use, and interpretation. Students will investigate the domain of linguistic semantics and acquire the "tools" to do semantic analysis and to critically evaluate those of others.

**LING-L 367 Languages of the World (3 cr.) CASE**

**S&H** P: L103 or L203. Survey of the language families of the world, including their chief grammatical characteristics, geographical distribution, and cultural status. Topics include methods and evidence for language grouping, causes for linguistic diversity, characteristics of endangered languages, and causes for their endangerment.

**LING-L 399 Readings in Linguistics (Honors) (1-6 cr.)**

P: Consent of departmental honors committee. Honors course. May be repeated twice for a maximum of 12 credit hours.

**LING-L 408 Readings in Linguistics (1-4 cr.)** R: 12 credit hours of linguistics, or L103 and advanced work in a foreign language. Directed reading in various fields of linguistics. May not duplicate a regularly offered course. May be repeated up to a maximum of 12 credit hours.

**LING-L 415 Corpus Linguistics (3 cr.) CASE**

**N&M** P: L203 and L245. Computer technology has revolutionized the ways linguists approach data. Large bodies of text (corpora) can now be searched to uncover complexities in natural data and explore specific linguistic phenomena. Explores the nature of corpora and programs that annotate or automatically produce a concordance, and how such programs are developed and used.

**LING-L 430 Language Change and Variation (3 cr.)**

**CASE S&H** P: L307. R: L310 or L308. An introduction to how languages change over time and how prehistoric languages can be reconstructed by comparing their modern descendants. Major topics include principles of language change; historical reconstruction; language relatedness and language families; variation and the mechanism of language change; contact-induced change; the birth and death of languages.

**LING-L 431 Field Methods (3 cr.)** P: L307. R: L310.

Introduction to the procedures involved in the structural

description of language, using a native speaker of an unfamiliar language whose speech will be analyzed.

**LING-L 432 Advanced Field Methods (3 cr.)** P: L431. Advanced analysis of the language under study in L431.

**LING-L 435 Foundational Skills in Computational**

**Linguistics (3 cr.) CASE N&M** No previous programming experience required. Introduces basic concepts in programming such as loops or functions with the goal of attaining practical skills for text processing and solving problems in computational linguistics: expression searching, managing text, searching in text, and extracting information from text.

**LING-L 441 Field Methods in Sociolinguistics (3 cr.)**

P: LING-L307 and L315. R: L310. A practical introduction to sociolinguistic research, including methods of data collection and quantitative analysis. Experience in all stages of sociolinguistic research, culminating in an original research paper developed from fieldwork. Topics may include social variation among Bloomington natives, regional variation in the Midwest, gender differences among IU students, politeness strategies, and register differences associated with different settings.

**LING-L 445 The Computer and Natural Language**

**(3 cr.) CASE N&M** Present-day computer systems work with human language in many different forms, whether as stored data in the form of text, typed queries to a database or search engine, or speech commands in a voice-driven computer system. We also increasingly expect computers to produce human language, such as user-friendly error messages and synthesized speech. This course surveys a range of linguistic issues and problems in computational linguistics.

**LING-L 480 Introduction to African Linguistics (3 cr.)**

**CASE S&H** P: L203 or linguistics major. Introduction to the linguistic study of African languages; questions of language distribution, typological and genetic classification, comparative reconstruction, and structural aspects of individual languages.

**LING-L 481 Language in Africa (3 cr.) CASE S&H,**

**CASE GCC** Study of language as an integral component of the lives of African peoples. Topics include linguistic rituals, such as greetings, condolences, apologies, and leave-taking; speaking the unspeakable, joking and insulting, storytelling, proverbs, and anthroponymy. Issues addressed include women and rhetoric, language education, and the dynamics of language spread.

**LING-L 485 Topics in Linguistics (3 cr.)** P: Varies according to topic. Studies in special topics not ordinarily covered in departmental courses.

**LING-L 490 Linguistic Structures (3 cr.)** P: Consent of instructor. The linguistic analysis of particular aspects of the structure of one language or a group of closely related languages.

**LING-L 499 Honors Project (1-6 cr.)** P: Approval of the departmental honors committee. Honors course. May be repeated twice for a maximum of 12 credit hours.

**African Languages**

**LING-B 101 Elementary Bamana I (4 cr.)** Introduction to Bamana, a Mande language of West Africa, and aspects

of Bamana culture. Basic grammatical structures and vocabulary. Emphasis on the spoken language.

**LING-B 102 Elementary Bamana II (4 cr.)** Introduction to Bamana, a Mande language of West Africa, and aspects of Bamana culture. Basic grammatical structures and vocabulary. Emphasis on the spoken language.

**LING-B 201 Intermediate Bamana I (3 cr.)** P: Grade of C or higher in B102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills: speaking and writing. Reading of elementary texts.

**LING-B 202 Intermediate Bamana II (3 cr.)** P: Grade of C or higher in B102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills: speaking and writing. Reading of elementary texts.

**LING-B 301 Advanced Bamana I (3 cr.)** P: Grade of C or higher in B202 or equivalent proficiency. Examination of subtle nuances in grammatical structures. Advanced readings of traditional and modern literature. Composition. Oriented to needs of students enrolled.

**LING-B 302 Advanced Bamana II (3 cr.)** P: Grade of C or higher in B301 or equivalent proficiency. Examination of subtle nuances in grammatical structures. Advanced readings of traditional and modern literature. Composition. Oriented to the needs of students enrolled.

**LING-F 101 Elementary African Languages I (4 cr.)** Language instruction in the specific African language named in the online *Schedule of Classes*. Various languages will be offered when available. These courses may be retaken for credit, but only in a different language from that of the first enrollment.

**LING-F 102 Elementary African Languages II (4 cr.)** P: F101 or equivalent in the same language. Language instruction in the specific African language named in the online *Schedule of Classes*. Various languages will be offered when available. These courses may be retaken for credit, but only in a different language from that of the first enrollment.

**LING-F 201 Intermediate African Languages I (3 cr.)** P: Grade of C or higher in F102 or equivalent proficiency in the same language. Language instruction in the specific African language named in the online *Schedule of Classes*. Various languages will be offered when available. These courses may be retaken for credit, but only in a different language from that of the first enrollment.

**LING-F 202 Intermediate African Languages II (3 cr.)** Language instruction in the specific African language named in the online *Schedule of Classes*. Various languages will be offered when available. These courses may be retaken for credit, but only in a different language from that of the first enrollment.

**LING-F 301 Advanced African Languages I (3 cr.)** P: Grade of C or higher in F202 or equivalent proficiency in the same language. Language instruction in the specific African language named in the online *Schedule of Classes*. Various languages will be offered when available. These courses may be retaken for credit, but only in a different language from that of the first enrollment.

**LING-F 302 Advanced African Languages II (3 cr.)**

P: Grade of C or higher in F202 or equivalent proficiency in the same language. Language instruction in the specific African language named in the online *Schedule of Classes*. Various languages will be offered when available. These courses may be retaken for credit, but only in a different language from that of the first enrollment.

**LING-K 101 Elementary Akan I (4 cr.)** Introduction to Akan, a major language of West Africa, spoken by the Akan peoples of Ghana. With approximately three million speakers, it is the major language of Ghana. Also spoken by thousands of people in the Ivory Coast. Basic grammatical structures and vocabulary. Emphasis on the spoken language. Credit given for only one of K101 or W101.

**LING-K 102 Elementary Akan II (4 cr.)** P: Grade of C or higher in K101 or W101, or equivalent proficiency. Basic grammatical structures and vocabulary. Emphasis on spoken language—oral and listening comprehension, language use in specific social settings like the market, school, hospital, doctor's office, among others. Important cultural points such as food, clothing, marriage. Credit given for only one of K102 or W102.

**LING-K 201 Intermediate Akan I (3 cr.)** P: Grade of C or higher in K102 or W102, or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills, speaking and writing. Reading of elementary texts. Credit given for only one of K201 or W201.

**LING-K 202 Intermediate Akan II (3 cr.)** P: Grade of C or higher in K201 or W201, or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills, speaking, writing and reading texts. Attention on oral and written composition, reading and listening comprehension, and translation. Description of cultural events through the use of videos and Internet resources. Credit given for only one of K202 or W202.

**LING-K 301 Advanced Akan I (3 cr.)** P: Grade of C or higher in K202 or W202, or equivalent proficiency. Examination of subtle nuances in grammatical structures. Advanced readings of traditional and modern literature. Credit given for only one of K301 or W301.

**LING-K 302 Advanced Akan II (3 cr.)** P: Grade of C or higher in K301 or W301, or equivalent proficiency. Study of complex grammatical structures and more complex contextual discourse patterns. Advanced readings of traditional and modern literature. Advanced oral and written compositions, advanced reading and listening comprehension and translation of complex texts from English to Akan. Credit given for only one of K302 or W302.

**LING-S 090 Elementary Swahili I: Pre-College (3 cr.)**

Available only to students participating in the STARTALK program. Intensive four-week program focuses on greetings, introductions, family, food, ingredients, shopping and bargaining, storytelling, songs, and clothing. Grammar and vocabulary are integrated in context.

**LING-S 091 Swahili Language and Culture II: Pre-**

**College (3 cr.)** P: S090 or equivalent proficiency. Available only to students participating in the STARTALK

program. Reinforces language used in everyday life (greetings, introductions, family, food, ingredients, shopping and bargaining, storytelling, songs, and clothing). Introduces additional grammar and vocabulary.

**LING-S 101 Elementary Swahili I (4 cr.)** Introduction to Swahili, a Bantu language spoken in East Africa, and aspects of Bantu culture. Basic grammatical structures and vocabulary. Emphasis on the spoken language.

**LING-S 102 Elementary Swahili II (4 cr.)** Introduction to Swahili, a Bantu language spoken in East Africa, and aspects of Bantu culture. Basic grammatical structures and vocabulary. Emphasis on the spoken language.

**LING-S 104 Advanced Swahili Language and Culture (3 cr.)** P: S091 or equivalent. Available only to students participating in the STARTALK program. Reinforces language used in everyday life (greetings, introductions, family, food, ingredients, shopping and bargaining, storytelling, songs, and clothing). Introduces intermediate grammar and vocabulary. Credit given for only one of S104 or S101.

**LING-S 201 Intermediate Swahili I (3 cr.)** P: Grade of C or higher in S102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills: speaking and writing. Reading of elementary texts.

**LING-S 202 Intermediate Swahili II (3 cr.)** Study of more complex grammatical structures, with emphasis on active skills: speaking and writing. Reading of elementary texts.

**LING-S 301 Advanced Swahili I (3 cr.)** P: Grade of C or higher in S202 or equivalent proficiency. Examination of subtle nuances in grammatical structures. Advanced readings of traditional and modern literature. Composition. Oriented to needs of students enrolled.

**LING-S 302 Advanced Swahili II (3 cr.)** Examination of subtle nuances in grammatical structures. Advanced readings of traditional and modern literature. Composition. Oriented to needs of students enrolled.

**LING-X 101 Elementary Wolof I (4 cr.)** Introduction to Wolof language and culture. Wolof is spoken in West Africa, especially in Senegal, Mauritania, the Gambia and Mali. Basic grammatical structures and vocabulary. Emphasis is on the spoken language. Exposure to cultural and social settings through the use of electronic media.

**LING-X 102 Elementary Wolof II (4 cr.)** P: Grade of C or higher in X101 or equivalent proficiency. Basic grammatical structures and vocabulary. Emphasis is on the spoken language—oral and listening comprehension, and language use in specific social settings.

**LING-X 201 Intermediate Wolof I (3 cr.)** P: Grade of C or higher in X102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills: speaking, writing, and reading texts. Attention to oral and written compositions, reading, listening comprehension, and translation of texts.

**LING-X 202 Intermediate Wolof II (3 cr.)** P: Grade of C or higher in X201 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills: speaking, writing, and reading texts. Attention to oral and written compositions, reading, listening comprehension, and translation of texts.

**LING-X 301 Advanced Wolof I (3 cr.)** P: Grade of C or higher in X202 or equivalent proficiency. Study of complex grammatical structures and complex contextual discourse patterns. Advanced readings of traditional and modern literature. Advanced oral and written compositions, listening comprehension, and translation of complex texts.

**LING-X 302 Advanced Wolof II (3 cr.)** P: Grade of C or higher in X301 or equivalent proficiency. Study of complex grammatical structures and complex contextual discourse patterns. Advanced readings of traditional and modern literature. Advanced oral and written compositions, listening comprehension, and translation of complex texts.

**LING-Y 101 Elementary Yoruba I (4 cr.)** Introduction to Yoruba language, a major African language spoken in Nigeria. Basic grammatical structures and vocabulary. Emphasis on spoken language, listening comprehension, language used in everyday life and in specific social settings.

**LING-Y 102 Elementary Yoruba II (4 cr.)** P: Grade of C or higher in Y101 or equivalent proficiency. Continuation of work begun on basic skills with continued emphasis on oral skills and reading comprehension.

**LING-Y 201 Intermediate Yoruba I (3 cr.)** P: Grade of C or higher in Y102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on the active skills of speaking and writing. Reading and translation of elementary texts. Survey of cultural activities.

**LING-Y 202 Intermediate Yoruba II (3 cr.)** P: Grade of C or higher in Y201 or equivalent proficiency. Continuation of the study of more complex structures, with emphasis on the active skills of speaking and writing. Reading of elementary to intermediate texts. Continued survey of cultural activities.

**LING-Z 101 Elementary Zulu I (4 cr.)** Introduction to Zulu language and culture. Zulu is spoken in South Africa and the neighboring countries of Zimbabwe, Malawi, Namibia, Mozambique, Swaziland, and Lesotho by about 10 million people. Basic grammatical structures and vocabulary, emphasis on the spoken language and cultural awareness.

**LING-Z 102 Elementary Zulu II (4 cr.)** P: Grade of C or higher in Z101 or equivalent proficiency. Basic grammatical structures and vocabulary. Emphasis on the spoken language, oral and listening comprehension, and language use in specific social settings. Uses videos and Internet resources.

**LING-Z 201 Intermediate Zulu I (3 cr.)** P: Grade of C or higher in Z102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills of speaking, writing and reading texts. Emphasis on oral and written compositions, reading and listening comprehension, and translation of texts. Description of cultural events through the use of videos and Internet resources.

**LING-Z 202 Intermediate Zulu II (3 cr.)** P: Grade of C or higher in Z201 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills of speaking, writing, and reading texts. Emphasis on oral and written compositions, reading and listening comprehension, and translation of texts. Description of

cultural events through the use of videos and Internet resources.

**LING-Z 301 Advanced Zulu I (3 cr.)** P: Grade of C or higher in Z202 or equivalent proficiency. Study of more complex grammatical structures and more complex contextual discourse patterns. Advanced readings of traditional and modern literature. Advanced oral and written compositions, advanced listening comprehension and translation of complex texts. Uses videos and Internet resources.

**LING-Z 302 Advanced Zulu II (3 cr.)** P: Grade of C or higher in Z301 or equivalent proficiency. Study of more complex grammatical structures and of more complex contextual discourse patterns. Advanced readings of traditional and modern literature. Advanced oral and written compositions, advanced listening comprehension and translation of complex texts. Uses videos and Internet resources.

**LING-A 300 Individual Study of an African Language (1-4 cr.)** Individual study of an African language at the 300 level. May be repeated for a maximum of 12 credit hours.

**LING-A 400 Advanced Individual Study of an African Language (1-4 cr.)** Advanced study of any African language beyond the 300 level. May be repeated for a maximum of 12 credit hours.

## Mathematics

### Introduction

Mathematics explores patterns in numbers, space, nature, music, science, and art. Its precise language facilitates qualitative and quantitative analysis of these patterns, and often connects them with completely unexpected areas of application. Mathematicians are creative and disciplined analytic thinkers who work in diverse areas of business, industry, government, finance, insurance, and education. Mathematics underpins the natural and life sciences, economics, and computer science, and affords dynamic double degree opportunities. A math degree also prepares a student for graduate or professional school in statistics, medicine, law, or the natural sciences, and for a mathematical research career.

The mathematics major curriculum begins with the two-semester sequence M211 and M212, Calculus I and II. Students with strong prior preparation in Calculus I may qualify to enroll in M213, a one-semester accelerated version of M211 and M212. Students with both strong prior preparation in Calculus I and outstanding ability and interest in the study of mathematics may qualify to enroll in S212 Honors Calculus II. Consent of the department is required in order to register for M213 or S212; contact the undergraduate advisor or director of undergraduate studies.

### Advanced Placement (AP) Credit

High school students who have taken the CEEB Advanced Placement Program mathematics examinations will be awarded credit as follows: A score of 4 or 5 on the Calculus AB exam earns a student 4 credits of M211. A score of 4 or 5 on the Calculus BC exam earns a student

4 credits of M211 and 4 credits of M212. Special credit will be awarded with the grade of S.

### Credit by Examination

Credit for M118, M119, M211, M212, and certain other courses may be obtained by passing an examination administered by the mathematics department with a grade of at least a B. Special credit will be awarded with the grade of S.

### Contact Information

Department of Mathematics  
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(812) 855-3171  
[mathdept@indiana.edu](mailto:mathdept@indiana.edu)  
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## Faculty

### Chairman

- Professor Elizabeth Housworth

### Distinguished Professor

- Michael Larsen
- Roger Temam

### College Professor

- Roger Temam

### William H. Boucher Professor

- Vladimir Touraev

### Professors

- Hari Bercovici
- Richard Bradley
- Mihai Ciucu
- Jiri Dadok
- James Davis
- David Fisher
- Marlies Gerber
- Elizabeth Housworth
- Michael Jolly
- Christopher Judge
- Paul Kirk
- Jee Koh
- Charles Livingston
- Valery Lunts
- Russell Lyons
- Michael Mandell
- Larry Moss
- Kent Orr
- Kevin Pilgrim
- Sergey Pinchuk
- Bruce Solomon
- Peter Sternberg
- Alberto Torchinsky
- Shouhong Wang
- Matthias Weber
- Kevin Zumbrun

### Associate Professors

- Christopher Connell

- Ciprian Demeter
- Norm Levenberg
- Ayelet Lindenstrauss
- Ji-Ping Sha
- Matthias Strauch
- Dylan Thurston
- William Wheeler

#### **Assistant Professors**

- Matthew Bainbridge
- Michael Damron
- Nam Le
- Matvei Libine
- Ajay Ramadoss
- Noah Snyder

#### **Senior Lecturers**

- Andrew Dabrowski
- Greg Kattner
- Linda McKinley
- Steve McKinley
- Will Orrick
- Tracy Whelan

#### **Lecturers**

- Shabnam Kavousian
- Palanivel Manoharan

#### **Professors Emeriti**

- Thomas Bagby
- Eric Bedford
- Grahame Bennett
- Rabi Bhattacharya
- Arlen Brown
- Scott Brown
- John Challifour
- Vinay Deodhar
- Allan Edmonds
- Ciprian Foias
- Robert Glassey
- Victor Goodman
- Darrell Haile
- David Hoff
- Andrew Lenard
- Morton Lowengrub
- Daniel Maki
- Madan Puri
- Billy Rhoades
- Joseph Stampfli
- Maynard Thompson
- William Ziemer

#### **Academic Advising**

- Elizabeth Smith, Rawles Hall 125, (812) 855-1589

## **Major in Mathematics—B.A.**

#### **Required Courses**

Majors must complete the following:

1. M211–M212, M211–M213, or M211–S212.
2. M301 or M303, and M311.
3. Five additional courses representing at least two of the eight areas of mathematics listed below. Of these, two

courses must be 400-level "M" courses. If courses are chosen from only two areas, the two 400-level "M" courses must occupy distinct areas:

- Algebra and Number Theory: M353, M403, M404, M405, M409, M453
- Analysis: M312, M413, M414, M415
- Applied Mathematics: M348, M371, M447, M448, M451, M471, M472
- Differential Equations: M343, M344, M441, M442
- Geometry and Topology: M321, M420, M435, M436
- Logic: M391, M482
- Mathematics Education and History: T336, M380, T403
- Probability and Statistics: M360, M365, M463, M464, M466

For any mathematics course not listed above, the department will determine whether it will count toward the conditions in number 3.

At most, one course from mathematics education and history may count toward the five required courses.

With approval of the Department of Mathematics, one course outside of mathematics that has significant mathematical content may count toward the five required courses as long as conditions in number 3 are still satisfied. Computer Science C211 or A201 is recommended.

#### **Recommendations**

In addition to studying mathematics courses, all majors are strongly encouraged to study in depth another discipline that uses mathematics.

Majors are also strongly encouraged to take a computer programming course.

Majors interested in professional work or graduate study should take additional mathematics courses at the 300 and 400 levels.

## **Major in Mathematics—B.S.**

#### **Purpose**

The B.S. degree is designed to provide students with an extensive background in mathematics. It provides appropriate training for those students who plan to do graduate work in mathematics (Program I), or in related areas such as astronomy, biology, chemistry, cognitive science, computer science, economics, geology, or physics (Program II).

#### **Required Courses**

##### **Program I**

1. Writing, same as B.A. degree (English Composition and Intensive Writing).
2. Foreign language, 3 credit hours (or the equivalent) at or above the second-year level.
3. Arts and humanities, two courses; social and historical studies, two courses.
4. One Critical Approaches course.
5. One Public Oral Communication course.
6. One Natural Science course in fulfillment of the General Education curriculum, which can be combined with the math and logic foundation courses required by the major.

7. Concentration requirements, at least 39 credit hours of mathematics, including:
  - M303, M311, and M312
  - at least one of M343 or M365
  - at least one of the sequences M413–M414 or M413–M415
  - at least one of the sequences M403–M404, M403–M405, M403–M409, or M403–M453
  - two additional courses at the 400- or 500-level excluding M491. M490 may be used with the approval of the director of undergraduate studies

Students are strongly encouraged to take at least one 500-level course in mathematics.

## **Program II**

1. Writing, same as B.A. degree (English Composition and Intensive Writing).
2. Foreign language, 3 credit hours (or the equivalent) at or above the second-year level.
3. Arts and humanities, two courses; social and historical studies, two courses.
4. One Critical Approaches course.
5. One Public Oral Communication course.
6. One Natural Science course in fulfillment of the General Education curriculum, which can be combined with the math and logic foundation courses required by the major.
7. Concentration requirements, at least 33 credit hours of mathematics, including:
  - M301 (or M303), M311, M312, M343, and M344
  - at least one of the sequences M413–M414 or M413–M415
  - at least one of the sequences M441–M442, M463–M464, M463–M466, or M471–M472
8. Computer Science C211 or A201 or another course approved by the mathematics department. This requirement may be waived for students who can demonstrate proficiency in computer programming.
9. Outside concentration: a concentration approved by the department consisting of 9 credit hours in one of the following departments: Astronomy, Biology, Chemistry, Cognitive Science, Computer Science, Economics, Geology, Physics, Statistics, or other departments with approval of the mathematics department.

### **Language Recommendations**

Students preparing for graduate study in mathematics or a science are strongly encouraged to study French, German, or Russian.

Students must also complete the degree requirements of the College of Arts and Sciences.

## **Departmental Honors Program**

The honors program of the Department of Mathematics is designed for students with a wide variety of interests and goals. It offers optimal preparation for graduate study and for a career as a professional mathematician. It can be combined with education courses to lead to certification as a secondary school teacher. It prepares those who wish to

apply mathematical methods to other fields. The program also includes courses for honors students who are not majoring in science and mathematics.

The program for mathematics majors normally begins with S212. Those who wish to graduate with honors in mathematics are expected to complete courses S303, S311, S312, S403, S413–S414, and at least two 6 credit hour "S" or "M" sequences at the 400 level or above. (S403–S404 may be used to fulfill this requirement.)

Students in this program must achieve a minimum grade point average of 3.300 in all of their courses and at least a grade point average of 3.500 in their mathematics courses. Students who successfully complete most of the courses above may petition the department to qualify for departmental honors. Qualified non-honors students may petition the department to take honors mathematics courses beginning with S303 or S311.

## **Minor in Mathematics**

### **Required Courses**

Students must complete at least 16 credit hours that include M212, S212, or M213 as well as at least three courses at the 300 or 400 level. The average grade must be at least 2.000 with no grade lower than C-. Courses selected for the minor must be approved by the director of undergraduate studies. In particular, the courses K300, K305, and K310 cannot be selected for the minor.

### **Recommendations**

M365 is recommended for business and social science majors. M371 is recommended for computer science majors. M311, M312, and M343 are recommended for physics majors. M311 and M343 are recommended for chemistry majors. M311 and M365 are recommended for biology majors.

## **Interdepartmental Major in Mathematics and Economics**

### **Purpose**

The interdepartmental major in Mathematics and Economics is designed to enable students to model economic questions mathematically and to analyze and solve those models.

### **Required Courses**

Students must meet the following course requirements. Any course may be replaced by the honors equivalent.

1. Economics: E201, E202, E321, E322, and at least three courses numbered above E322, including at least one at the 400 level. E370, E496, and Y398 cannot be used to meet this requirement.
2. Mathematics: M211–M212, or M213, M301 or M303, M311, and at least two courses, including one at the 400 level, from one of the following mathematics areas: analysis (M312, M413, M414, M415, M420); differential equations (M343, M344, M441, M442); applied mathematics (M371, M447, M448, M451, M471, M472); or probability and statistics (M463, M464, M466). For students who qualify for honors, Mathematics S499 may replace the second course in a mathematical area with approval of the Department of Mathematics.
3. Statistics: Economics E370 or Mathematics M365.

### **Special Considerations**

1. No more than 3 credit hours of Honors Thesis (Economics E499 or Mathematics S499) may be counted toward the major.
2. It is recommended that students planning to pursue a Ph.D. in economics consult with the Department of Economics concerning classes in the areas of analysis, econometrics, and statistics.
3. It is recommended that students in actuarial studies consult the "Actuarial Studies" section in Mathematics for recommended course work and consult with the Department of Economics concerning relevant seminar courses.

## **B.S. Mathematics/M.S. Secondary Education**

In an effort to address the shortage of Indiana high school teachers in certain subjects, the College, in conjunction with the IU School of Education, offers an accelerated five-year program in which students can obtain a B.S. in Mathematics (either Program I or Program II) and an M.S. in Secondary Education and also complete all requirements for State licensure in Secondary Education. Students must begin by pursuing a B.S. Mathematics degree, Program I or Program II. After they have completed a minimum of 90 credit hours in the College of Arts and Sciences and satisfied the Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, and major concentration requirements for this B.S. Mathematics major, students may apply up to 30 credit hours earned in the School of Education as College electives. Students must apply and earn admittance to the School of Education's Secondary Transition to Teaching and the Master of Science in Education programs during the fall semester of their senior year. The B.S. requirements must be completed before student teaching begins in the final spring semester of the five-year program. The two degrees (B.S. Mathematics and M.S. Secondary Education) are awarded simultaneously. Students considering this program should seek advising from both the Department of Mathematics and the School of Education. Also, students are advised to check on the effect that the transition to graduate status may have on existing undergraduate funding.

## **Actuarial Studies**

Actuaries use mathematics to determine the financial effect that uncertain future events such as birth, death, retirement, fire, earthquake, accident, and sickness have on insurance and other benefit plans. Actuaries may work for insurance companies, consulting firms, or the benefits departments of general businesses and government agencies. The program of study outlined below combined with a B.A. or B.S. degree in mathematics prepares the graduate for entry into the actuarial profession. The B.S. Program II with a Minor in Economics, or the Interdepartmental Major in Mathematics and Economics, works especially well with actuarial career preparation. For further information, contact the mathematics department's academic advisor in Rawles Hall 115, (812) 855-1589.

To advance in the actuarial profession, one must pass a series of highly challenging examinations given by the Society of Actuaries ([www.soa.org](http://www.soa.org)) or the Casualty Actuarial Society ([www.casact.org](http://www.casact.org)). Passing these examinations requires discipline and additional study

beyond Indiana University course work. Actuaries also must be comfortable with the language and substance of a wide range of mathematics, economics, statistics, and finance/accounting to prepare for these exams. An actuary student should aim to pass at least one, and preferably two, of these examinations before graduation. Actuary students who desire a summer internship may benefit from passing the first examination, Exam P, by the summer following their junior year. Internships help assure strong job placement upon graduation and are strongly encouraged. Additionally, an actuary student should take some VEE (Validation by Educational Experience) accredited courses and must receive a grade of B- or better in these courses to earn VEE credit. A list of VEE-accredited courses is available at the Society of Actuaries website and includes several of the courses mentioned below.

M463 covers most of the material for the three-hour Exam P on probability. Students must take M211, M212, M311, and either M301 or M303 as preparation.

Economics E425 covers the syllabus for the 2.5-hour Exam FM on Financial Mathematics, but students must first take E201, E202, and E321 as preparation.

Students pursuing actuarial studies may benefit by taking Accounting A200, Computer Science C211, and Economics E471 and E472. For further advice and information, contact the department's academic advisor in Rawles Hall 125, (812) 855-1589.

## **Course Descriptions**

**MATH-J 010 Introduction to Algebra (2 cr.)** P: Consent of department. For Groups students only. A review of pre-algebra mathematics. Topics include operations on integers and rational numbers, exponents, evaluating algebraic expressions, and translating English statements into algebraic equations. Emphasis is on problem solving. Credit may not be applied toward a degree. Fulfills no distribution or fundamental skills requirement in the College of Arts and Sciences.

**MATH-M 014 Basic Algebra (4 cr.)** P: One year of high school algebra. Designed to provide algebraic skills needed for future mathematics courses, such as M118 or M119. Operations with fractions, exponents, linear equations, inequalities, elementary graphs. Credit may not be applied toward a degree in the College of Arts and Sciences, the School of Education, the Kelley School of Business, or the School of Public and Environmental Affairs. I Sem., II Sem., SS.

**MATH-X 015 Introductory Algebra (2 cr.)** P: One year of high school algebra. Designed to provide basic algebraic skills needed for the study of higher-level algebra courses such as X019 or M025: linear and quadratic equations, operations on polynomials, graphs of lines. Credit may not be applied toward a degree in the College of Arts and Sciences; the School of Education; the School of Health, Physical Education, and Recreation; the Kelley School of Business; or the School of Public and Environmental Affairs. I Sem., II Sem., SS.

**MATH-M 018 Basic Algebra for Finite Mathematics (2 cr.)** P: One year of high school algebra. Designed to provide algebraic skills needed for the study of finite mathematics: linear equations and inequalities and their

graphs, systems of equations, sets, and basic counting. Credit may not be applied toward a degree in the College of Arts and Sciences; the School of Education; the School of Health, Physical Education, and Recreation; the Kelley School of Business; or the School of Public and Environmental Affairs. I Sem., II Sem., SS.

**MATH-M 019 Brief Pre-Calculus Mathematics (2 cr.)**

P: Two years of high school algebra or M014, and one year of high school geometry. Designed to prepare students for M119. Algebraic operations; polynomial, exponential, and logarithmic functions and their graphs; and inequalities. Credit may not be applied toward a degree in the College of Arts and Sciences. I Sem., II Sem.

**MATH-M 025 Precalculus Mathematics (3 cr.)** P: Two years of high school algebra or M014, and one year of high school geometry. Designed to prepare students for M119. Algebraic operations; polynomial, exponential, and logarithmic functions and their graphs; conic sections; systems of equations; and inequalities. Credit may not be applied toward a degree in the College of Arts and Sciences. I Sem., II Sem., SS.

**MATH-M 026 Trigonometric Functions (2 cr.)** P or C: M025 or equivalent. Designed to prepare students for M211. Trigonometric functions; identities. Graphs of trigonometric and inverse trigonometric functions. Credit hours may not be applied toward a degree in the College of Arts and Sciences. I Sem., II Sem., SS.

**MATH-M 027 Precalculus with Trigonometry (4 cr.)** P: Two years of high school algebra or M014, and one year of high school geometry. This course is designed to prepare students for M211 Calculus. The general content of both M025 and M026 is included, with emphasis placed on exponential, logarithmic, and trigonometric functions at a more sophisticated level and pace. Credit may not be applied toward a degree in the College of Arts and Sciences. Non-College of Arts and Sciences students should see their advisor about appropriate mathematics selection. I Sem., II Sem.

**MATH-T 101 Mathematics for Elementary Teachers I (3 cr.)** P: M014, M018 or a score of at least 10 on the Math Skills Assessment Exam. Elements of set theory, counting numbers. Operations on counting numbers, integers, rational numbers, and real numbers. Only open to elementary education majors. I Sem., II Sem.

**MATH-T 103 Mathematics for Elementary Teachers III (3 cr.)** P: T101 with a grade of C or higher; students may enroll concurrently in T102 and T103 with the approval of a School of Education advisor. Descriptions and properties of basic geometric figures. Rigid motions. Axiomatics. Measurement, analytic geometry, and graphs of functions. Discussion of modern mathematics. Only open to elementary education majors. I Sem., II Sem.

**MATH-J 110 Introductory Problem Solving (2 cr.)**

P: Two years of high school algebra or permission of department. Emphasizes problem solving and the development of logical reasoning skills. Topics include elementary logic, set theory, measurement of geometric figures, and translating English statements into algebraic equations. Not counted toward any College of Arts and Sciences distribution requirement nor toward the College

of Arts and Sciences fundamental skills requirement in mathematics.

**MATH-J 111 Introduction to College Mathematics I (3 cr.)** P: Consent of department. For Groups students only. A review of basic algebra. Not counted toward any College of Arts and Sciences distribution requirement or toward the College of Arts and Sciences fundamental skills requirement in mathematics.

**MATH-J 112 Introduction to College Mathematics II (3 cr.)** P: Consent of department. For Groups students only. A continuation of J111 that includes functions, exponential functions, and logarithmic functions. Not counted toward any College of Arts and Sciences distribution requirement or toward the College of Arts and Sciences fundamental skills requirement in mathematics.

**MATH-J 113 Introduction to Calculus with Applications (3 cr.)** CASE MM, CASE N&M P: Consent of department. For Groups students only. A survey of calculus. J113 can count toward the College of Arts and Sciences Foundations requirement in mathematical modeling and the College of Arts and Sciences natural and mathematical sciences Breadth of Inquiry requirement for Groups students. Credit not given for both J113 and MATH M119 or both J113 and MATH M211 or M215.

**MATH-D 116 Introduction to Finite Mathematics I (2 cr.)** P: Two years of high school algebra or M014 or M018. D116-D117 is a two-course sequence that

satisfies the College of Arts and Sciences Foundations Requirement in Mathematical Modeling and counts toward the College natural and mathematical sciences Breadth of Inquiry requirement. Topics for the course are taken from M118. Any requirement of M118 can also be met by D116 and D117 together. Credit not given for D116 until D116 is completed with a minimum grade of C- and D117 is completed with a passing grade. Credit for the Foundations requirement in Mathematical Modeling or the N&M Breadth of Inquiry requirement will be given only upon completion of both D116 and D117. Credit given for only one of the following: the sequence D116-D117, M118, A118, V118, or S118.

**MATH-D 117 Introduction to Finite Mathematics II (2 cr.)** CASE MM, CASE N&M P: Two years of

high school algebra or M014 or M018, and D116 with a grade of at least C-. D116-D117 is a two-course sequence. Topics for the course are taken from M118. Any requirement of M118 can also be met by D116 and D117 together. Credit is not given for D116 until D116 is completed with a minimum grade of C- and D117 is completed with a passing grade. Credit for the College of Arts and Sciences Foundations requirement in Mathematical Modeling or the College's N&M Breadth of Inquiry requirement will be given only upon completion of both D116 and D117. Credit given for only one of the following: the sequence D116-D117, M118, V118, S118, or A118.

**MATH-M 118 Finite Mathematics (3 cr.)** CASE MM,

CASE N&M P: Two years of high school algebra or M014 or M018. Sets, counting, basic probability, including random variables and expected values. Linear systems, matrices, linear programming, and applications. Credit given for only one of M118, V118, S118, the sequence D116-D117, or A118.

**MATH-S 118 Honors Finite Mathematics (3 cr.) CASE MM, CASE N&M** P: Mastery of two years of high school algebra. Designed for students of outstanding ability in mathematics. Covers all material of M118 and additional topics from statistics and game theory. Computers may be used in this course, but no previous experience is assumed. I Sem.

**MATH-V 118 Finite Mathematics with Applications (3 cr.) CASE MM, CASE N&M** P: Two years of high school algebra or M014. Sets, counting, basic probability, linear modelling, and other discrete topics. Applications to various areas depending on topic. Possibilities include social and biological sciences and consumer mathematics. Credit given for only one of A118, M118, S118, V118, or the sequence D116-D117.

**MATH-M 119 Brief Survey of Calculus I (3 cr.) CASE MM, CASE N&M** P: Two years of high school algebra or M014. Introduction to calculus. Primarily for students from business and the social sciences. A student cannot receive credit for more than one of the following: M119, M211, or MATH J113. I Sem., II Sem., SS.

**MATH-M 120 Brief Survey of Calculus II (3 cr.) CASE N&M** P: M119. A continuation of M119 covering topics in elementary differential equations, calculus of functions of several variables and infinite series. Intended for non-physical science students. Credit not given for both M212 and M120. I Sem., II Sem., SS.

**MATH-M 211 Calculus I (4 cr.) CASE MM, CASE N&M** P: Two years of high school algebra, one year of high school geometry, precalculus math (or its equivalent), and trigonometry; or both M025 and M026 Limits, continuity, derivatives, definite and indefinite integrals, applications. A student may receive credit for only one of the following: M119, M211, J113. Credit not given for both M211 and X201. A combination of M119 and X201 is equivalent to M211 as preparation for M212. The combination of J113 and X201 is not advised as preparation for M212. I Sem., II Sem., SS.

**MATH-M 212 Calculus II (4 cr.) CASE N&M** P: M119 and X201, or M211. Techniques of integration (by parts, trigonometric substitutions, partial fractions), improper integrals, volume, work, arc length, surface area, infinite series. A student may receive credit for only one of M120 and M212. I Sem., II Sem., SS.

**MATH-S 212 Honors Calculus II (4 cr.) CASE N&M** P: M211 and consent of mathematics department. Includes material of M212 and supplemental topics. Designed for students of outstanding ability in mathematics. I Sem.

**MATH-M 213 Accelerated Calculus (4 cr.) CASE MM, CASE N&M** P: Placement by examination. Designed for students with one year of calculus in high school. Review of material covered in M211 followed by an intensive study of all material in M212. Students completing M213 with a final grade of A or B may receive credit for M211. Credit not given for both M213 and M212.

**MATH-M 295 Readings and Research (1-3 cr.)** Supervised problem solving. Admission only with permission of a member of the mathematics faculty who will act as supervisor. I Sem., II Sem., SS.

**MATH-M 298 Careers in Mathematics (1 cr.)** P: Major in mathematics. R: Sophomore or junior standing. Invited speakers provide perspectives from a variety of fields. Helps match student skills and interests to the requirements of a chosen career. How to use campus career development resources, write a resume and cover letter, and develop interviewing and networking skills for the job market. Options to prepare for professional or graduate education.

**MATH-S 299 Honors Reading and Research (1-3 cr.)** Supervised problem solving. Admission only with permission of a member of the mathematics faculty who will act as supervisor. I Sem., II Sem., SS.

**MATH-M 301 Linear Algebra and Applications (3 cr.) CASE N&M** P: M212 or both M211 and CSCI C241. R: M212. Solving systems of linear equations, matrix algebra, determinants, vector spaces, eigenvalues and eigenvectors. Selection of advanced topics. Applications throughout. Computer used for theory and applications. Credit not given for both M301 and M303.

**MATH-M 303 Linear Algebra for Undergraduates (3 cr.) CASE N&M** P: M212 or both M211 and CSCI C241. R: M212. Introduction to the theory of real vector spaces. Coordinate systems, linear dependence, bases. Linear transformations and matrix calculus. Determinants and rank. Eigenvalues and eigenvectors. Credit not given for both M301 and M303. I Sem., II Sem., SS.

**MATH-S 303 Honors Course in Linear Algebra (3 cr.) CASE N&M** P: Consent of department. Honors version of M303. For students with unusual aptitude and motivation. Not open to those who have had M301 or M303. II Sem.

**MATH-K 310 Statistical Techniques (3 cr.) CASE N&M** P: M119 or equivalent. Introduction to probability and statistics. Elementary probability theory, conditional probability, independence, random variables, discrete and continuous probability distributions, measures of central tendency and dispersion. Concepts of statistical inference and decision: estimation, hypothesis testing, Bayesian inference, statistical decision theory. Special topics discussed may include regression and correlation, time series, analysis of variance, non-parametric methods. Credit given for only one of K310 or K300, ANTH A306, CJUS K300, ECON E370 or S370, POLS Y395, PSY K300 or K310, SOC S371, STAT K310 or S300 or S301, or SPEA K300. I Sem., II Sem.

**MATH-M 311 Calculus III (4 cr.) CASE N&M** P: M212, M213 or consent of department. Elementary geometry of 2, 3, and n-space; functions of several variables; partial differentiation; minimum and maximum problems; multiple integration. I Sem., II Sem., SS.

**MATH-S 311 Honors Course in Calculus III (4 cr.) CASE N&M** P: M212 or M213, and consent of department. Honors version of M311. For students with unusual aptitude and motivation. Credit not given for both M311 and S311. I Sem.

**MATH-M 312 Calculus IV (3 cr.)** P: M311. Differential calculus of vector-valued functions, transformation of coordinates, change of variables in multiple integrals. Vector integral calculus: line integrals, Green's theorem, surface integrals, Stokes's theorem. Applications. I Sem., II Sem.

**MATH-S 312 Honors Course in Calculus IV (3 cr.)**

P: M311 or consent of instructor. For students with unusual aptitude and motivation. Credit not given for both M312 and S312. II Sem.

**MATH-M 321 Intuitive Topology (3 cr.) CASE N&M**

P: M212 or consent of instructor. Intuitive description of topology, including networks and maps, topological equivalence, classification of surfaces, spheres with handles, knot theory, Jordan curve theorem, transformations, and fixed-point theorems. II Sem.

**MATH-M 330 Exploring Mathematical Ideas (3 cr.)**

**CASE N&M** P: M211 or consent of the department. An experimental course to illustrate important ideas in major areas of mathematics, including number theory, group theory, topology, geometry, and probability. Additional topics may include newly emerging fields, such as chaos theory. Does not count toward major requirements.

**MATH-T 336 Topics in Euclidean Geometry (3 cr.)**

**CASE N&M** P: M212. A study of the central aspects of two-dimensional Euclidean geometry from historical and axiomatic points of view as well as through hands-on and/or computer-based explorations of geometric concepts and constructions. I Sem.

**MATH-M 343 Introduction to Differential Equations with Applications I (3 cr.) CASE N&M** P: M212. Ordinary differential equations and methods for their solution, including series methods and the Laplace transform. Applications of differential equations. Systems, stability, and numerical methods. Partial differential equations of mathematical physics, Fourier series. M343, I Sem., II Sem., SS; M344, II Sem.

**MATH-M 344 Introduction to Differential Equations with Applications II (3 cr.) CASE N&M** P: M301 or M303, and M343. Ordinary differential equations and methods for their solution, including series methods and the Laplace transform. Applications of differential equations. Systems, stability, and numerical methods. Partial differential equations of mathematical physics, Fourier series. M343, I Sem., II Sem., SS; M344, II Sem.

**MATH-S 343 Honors Course in Differential Equations (3 cr.) CASE N&M** P: M212 and consent of department. Introduction, with historical examples, first order ordinary differential equations (ODEs) and applications, second order linear ODEs, linear ODEs of higher order, series solutions to linear ODEs, and numerical methods for ODEs. In addition, some theoretical aspects will be studied in detail such as the Picard existence/uniqueness theorem for initial-value problems, convergence of series solutions, and the matrix exponential  $\exp(tA)$ .

**MATH-S 344 Honors Course in Differential Equations II (3 cr.) CASE N&M** P: S343 or M343, M212, M301 or M303, and consent of the department. Covers the topics of M344, in addition to more theoretical material, which may include topics such as the uniqueness theorem for the inversion of the Laplace transform, introduction to the theory of distributions, derivation of the heat and wave equations, eigenvalues of Sturm-Liouville boundary problems, and oscillation theory applied to special functions. Meets with M344, and the additional material will be incorporated in weekly homework sets. Exams will include some of this additional material.

**MATH-M 348 Discrete Mathematical Models (3 cr.)**

**CASE N&M** P: M118 or equivalent. Introduction to the development and use of discrete mathematical models in the social, life, and management sciences; emphasis on models involving Markov chains, game theory, graph theory, and evolutionary systems.

**MATH-M 353 Discrete Mathematics (3 cr.)**

P: MATH M212 or permission of instructor. Covers fundamental topics chosen from enumerative combinatorics and graph theory. Possible topics include permutations, combinations, pigeonhole principle, inclusion-exclusion, generating functions, recurrence relations, Pólya theory, spanning trees, Eulerian paths, Ramsey theory, graph coloring, flow problems, Hamiltonian paths and cycles, electrical networks, random graphs.

**MATH-M 365 Introduction to Probability and Statistics (3 cr.)**

**CASE N&M** P: M212. Elementary concepts of probability and statistics. Combinatorics, conditional probability, independence, random variables, discrete and continuous distributions, moments. Statistical inference, point estimation, confidence intervals, test of hypotheses. Applications to social, behavioral, and natural sciences. Credit not given for both M365 and M360. The sequence M365-M366 is not recommended. I Sem., II Sem., SS.

**MATH-M 371 Elementary Computational Methods (3 cr.)**

**CASE N&M** P: M212. Some computer programming experience is helpful, but not required. Interpolation and approximation of functions, solution of equations, numerical integration and differentiation. Errors, convergence, and stability of the procedures. Students write and use programs applying numerical methods.

**MATH-M 380 History of Mathematics (3 cr.)**

P: M212. Brief study of the development of algebra and trigonometry; practical, demonstrative, and analytic geometry; calculus, famous problems, calculating devices; famous mathematicians and chronological outlines in comparison with outlines in the sciences, history, philosophy, and astronomy.

**MATH-M 384 Modal Logic (3 cr.) CASE N&M** P: P250, and one 300-level mathematics course, or consent of the instructor. Introduction to modal logic with emphasis on systems of modal logic which apply to philosophy and computer science. Includes epistemic logic, temporal logic, deontic logic, and logics for reasoning about space. Covers the semantics of these systems, and only secondarily will be concerned with the standard results about them.

**MATH-M 385 Mathematics from Language (3 cr.) CASE N&M** P: M118 or equivalent. Discrete mathematics. Topics in math motivated by linguistics, chosen from formal approaches to syntax and semantics, and from statistical and computational linguistics.

**MATH-M 391 Introduction to Mathematical Reasoning (3 cr.)**

**CASE N&M** P: M212, or M211 and CSCI C241; M303 or M301. Elementary logic, techniques of proof, basic set theory, functions, relations, binary operations, number systems, counting. Bridges the gap between elementary and advanced courses. Recommended for students with insufficient background for 400-level courses and for students in education. Not open to students who have received credit for M403, M413, or M420.

**MATH-Y 398 Internship in Professional Practice**

(1-3 cr.) P: Approval of Department of Mathematics. S/F grading. Professional work experience involving significant use of mathematics or statistics. Evaluation by employer and Department of Mathematics. Does not count toward major requirements. May be repeated once with approval of Department of Mathematics for a total of 6 credits.

**MATH-M 403 Introduction to Modern Algebra I (3 cr.)**

P: M301 or M303. Study of groups, rings, field extensions, with applications to linear transformations. M403, I Sem.; M404, II Sem.

**MATH-M 404 Introduction to Modern Algebra II (3 cr.)**

P: M301 or M303. Study of groups, rings, field extensions, with applications to linear transformations. M403, I Sem.; M404, II Sem.

**MATH-S 403 Honors Course in Modern Algebra I**

(3 cr.) P: S303. For students of outstanding ability in mathematics. Theory of groups, rings, integral domains, fields, and modules. S403, I Sem.; S404, II Sem.

**MATH-S 404 Honors Course in Modern Algebra II**

(3 cr.) P: S303. For students of outstanding ability in mathematics. Theory of groups, rings, integral domains, fields, and modules. S403, I Sem.; S404, II Sem.

**MATH-T 403 Modern Algebra for Secondary Teachers**

(3 cr.) P: M301 or M303, and M391. Introduction to the basic concepts of groups, rings, and fields with an emphasis on the theory of equations as it underlies the basic ideas of high school algebra. I Sem.

**MATH-M 405 Number Theory (3 cr.)**

P: M212. Numbers and their representation, divisibility and factorization, primes and their distribution, number theoretic functions, congruences, primitive roots, diophantine equations, quadratic residues, sums of squares.

P: M301 or M303. The study of linear transformations on a finite dimensional vector space over the complex field. Canonical forms, similarity theory; inner products and diagonalization of normal transformations.

**MATH-M 413 Introduction to Analysis I (3 cr.)**

P: M301 or M303, and M311, or consent of instructor. Modern theory of real number system, limits, functions, sequences and series, Riemann-Stieltjes integral, and special topics. M413, I Sem.; M414, II Sem.

P: M301 or M303, and M311, or consent of instructor. Modern theory of real number system, limits, functions, sequences and series, Riemann-Stieltjes integral, and special topics. M413, I Sem.; M414, II Sem.

**MATH-S 413 Honors Course in Analysis I (3 cr.)**

P: S312 or consent of instructor. Differentiable transformations defined on Euclidean space, inverse and implicit function theorems. Lebesgue integration over Euclidean space and transformation of integrals. Exterior algebra, measure and integration on manifolds. Stokes's theorem. Closed and exact forms. S413, I Sem.; S414, II Sem.

**MATH-S 414 Honors Course in Analysis II (3 cr.)**

P: S312 or consent of instructor. Differentiable transformations defined on Euclidean space, inverse and implicit function theorems. Lebesgue integration over

Euclidean space and transformation of integrals. Exterior algebra, measure and integration on manifolds. Stokes's theorem. Closed and exact forms. S413, I Sem.; S414, II Sem.

**MATH-M 415 Elementary Complex Variables with Applications (3 cr.)**

P: M311. Algebra and geometry of complex numbers, elementary functions of a complex variable, power series, integrations, calculus of residues, conformal mapping. Application to physics. II Sem.

**MATH-S 415 Honors Elementary Complex Variables**

(3 cr.) P: S311 or consent of instructor. For students with unusual aptitude and motivation. Algebra and geometry of complex numbers, elementary functions of a complex variable, power series, contour integrals, calculus of residues, conformal mapping. Credit given for only one of S415 or M415.

**MATH-M 420 Metric Space Topology (3 cr.)**

P: M301 or M303. Topology of Euclidean and metric spaces. Limits and continuity. Topological properties of metric spaces, including separation properties, connectedness, and compactness. Complete metric spaces. Elementary general topology.

**MATH-M 435 Introduction to Differential Geometry**

(3 cr.) P: M301 or M303, and M311. An introduction to the geometry of curves and surfaces. Topics will include arc length, torsion, Frenet formulae, metrics, curvatures, and classical theorems in these areas.

**MATH-M 436 Introduction to Geometries (3 cr.)**

P: M301 or M303. Non-Euclidean geometry, axiom systems. Plane projective geometry, Desarguesian planes, perspectives, coordinates in the real projective plane. The group of projective transformations and subgeometries corresponding to subgroups. Models for geometries. Circular transformations.

**MATH-M 441 Introduction to Partial Differential Equations with Applications I (3 cr.)**

P: M301 or M303, M311, and M343. Derivation and methods of solution of classical partial differential equations of mathematical physics: heat, wave, and Laplace equations. Separation of variables, Fourier series, Sturm-Liouville theory, special functions, Green's functions, Fourier transform, first order equations, characteristics and special topics. M441, I Sem.; M442, II Sem.

**MATH-M 442 Introduction to Partial Differential Equations with Applications II (3 cr.)**

P: M441. Derivation and methods of solution of classical partial differential equations of mathematical physics: heat, wave, and Laplace equations. Separation of variables, Fourier series, Sturm-Liouville theory, special functions, Green's functions, Fourier transform, first order equations, characteristics and special topics. M441, I Sem.; M442, II Sem.

**MATH-M 447 Mathematical Models and Applications I (3 cr.)**

P: M301 or M303, M311, M360 or M365, which may be taken concurrently, or consent of instructor. Formation and study of mathematical models used in the biological, social, and management sciences. Mathematical topics include games, graphs, Markov and Poisson processes, mathematical programming, queues, and equations of growth. M447, I Sem.; M448, II Sem.

**MATH-M 448 Mathematical Models and Applications II (3 cr.)** P: M301 or M303, M311, M360 or M365, which may be taken concurrently, or consent of instructor. Formation and study of mathematical models used in the biological, social, and management sciences. Mathematical topics include games, graphs, Markov and Poisson processes, mathematical programming, queues, and equations of growth. M447, I Sem.; M448, II Sem.

**MATH-M 451 The Mathematics of Finance (3 cr.)** P: M311 and M365. R: M343. Course covers probability theory, Brownian motion, Ito's Lemma, stochastic differential equations, and dynamic hedging. These topics are applied to the Black-Scholes formula, the pricing of financial derivatives, and the term theory of interest rates.

**MATH-M 453 Cryptography (3 cr.) CASE N&M** P: M301 or M303. The course covers encryption and decryption in secure codes. Topics include cryptosystems and their cryptanalysis, Data Encryption Standard, cryptanalysis, Euclidean algorithm, Chinese remainder theorem, RSA cryptosystem, primality testing, factoring algorithms, El Gamal cryptosystem, discrete log problem, other public key cryptosystems, signature schemes, hash functions, key distribution and key agreement.

**MATH-M 455 Quantum Computing I (3 cr.)** P: M118, M211, and M303, or consent of instructor. Covers the interdisciplinary field of quantum information science and aims at senior undergraduate and graduate students majoring in computer science, physics, mathematics, philosophy, and chemistry. Quantum information science is the study of storing, processing, and communicating information using quantum systems. Cross-listed as PHYS P455. Credit given for only one of M455 and PHYS P455.

**MATH-M 456 Quantum Computing II (3 cr.)** P: M118, M211, M303, and M455, or consent of instructor. Covers the interdisciplinary field of quantum information science and aims at senior undergraduate and graduate students majoring in computer science, physics, mathematics, philosophy, and chemistry. Quantum information science is the study of storing, processing, and communicating information using quantum systems. Cross-listed as PHYS P456. Credit given for only one of M456 and PHYS P456.

**MATH-M 463 Introduction to Probability Theory I (3 cr.)** P: M301 or M303, and M311. The meaning of probability. Random experiments, conditional probability, independence. Random variables, expected values and standard deviations, moment generating functions. Important discrete and continuous distributions. Poisson processes. Multivariate distributions, basic limit laws such as the central limit theorem. I Sem.

**MATH-S 463 Honors Course in Probability Theory I (3 cr.)** P: M303 and M311. Honors version of M463. For students of outstanding ability in mathematics. I Sem.

**MATH-M 464 Introduction to Probability Theory II (3 cr.)** P: M463. Conditional distributions and expectation, linear and nonlinear regression; simple stochastic processes: Poisson process, process with independent increments, random walk, Markov chain with finite state space; information theory. II Sem.

**MATH-S 464 Honors Course in Probability Theory II (3 cr.)** P: S463 or consent of instructor. Honors version of M464. For students of outstanding ability in mathematics.

### **MATH-M 466 Introduction to Mathematical Statistics (3 cr.)**

P: M463 or consent of instructor. Rigorous mathematical treatment of problems in sampling and statistical inference. Possible topics include sufficient statistics, exponential distributions, monotone likelihood ratio, most powerful tests, minimum variance estimates, shortest confidence intervals, linear models, maximum likelihood, simultaneous equations, the relationship of theory to practice. II Sem.

**MATH-M 471 Numerical Analysis I (3 cr.)** P: M301 or M303, M311, M343, and knowledge of a computer language such as FORTRAN, C, C++, etc. (Students with other programming backgrounds should consult the instructor.) Interpolation and approximation of functions, numerical integration and differentiation, solution of nonlinear equations, acceleration and extrapolation, solution of systems of linear equations, eigenvalue problems, initial and boundary value problems for ordinary differential equations, and computer programs applying these numerical methods. M471, I Sem.; M472, II Sem.

**MATH-M 472 Numerical Analysis II (3 cr.)** P: M301 or M303, M311, M343, and knowledge of a computer language such as FORTRAN, C, C++, etc. (Students with other programming backgrounds should consult the instructor.) Interpolation and approximation of functions, numerical integration and differentiation, solution of nonlinear equations, acceleration and extrapolation, solution of systems of linear equations, eigenvalue problems, initial and boundary value problems for ordinary differential equations, and computer programs applying these numerical methods. M471, I Sem.; M472, II Sem.

**MATH-M 482 Mathematical Logic (3 cr.)** Construction and study of formal mathematical languages. Definitions of, and relationships between, the notions of "truth" and "probability" of a formal sentence. Capabilities and limitations of first-order languages. Alternative formal systems. Introductions to model theory and the decision problem. Additional topics chosen by the instructor.

**MATH-M 490 Problem Seminar (3 cr.)** P: M301 or M303, M413 (M413 may be concurrent), and consent of the instructor. Introduction to research techniques for advanced undergraduate and beginning graduate students, based on problems from parts of the regular curriculum, such as linear algebra, topology, probability, and analysis. Emphasis will be on problems of both current and historical interest but usually not in the standard literature.

**MATH-M 491 Putnam Exam Seminar (1 cr.)** P: Approval of the director of undergraduate studies. The Putnam Examination is a national mathematics competition for college undergraduates at all levels of study. It is held in December each year. This problem seminar is designed to help students prepare for the examination. May be repeated twice for credit.

**MATH-S 499 Reading for Honors (1-12 cr.)** P: Approval of departmental honors committee. May be repeated for a maximum of 12 credit hours. I Sem., II Sem., SS.

## **Media School, The**

### **Introduction**

On July 1, 2014, The Media School in the College of Arts and Sciences will officially begin its mission to serve as

the university's pre-eminent site for teaching, research and service about the understanding and production of media. The combined faculty of The Media School, drawn from established programs in Journalism, Telecommunications and Film Studies, will promote innovative thinking in all things media, from public policy initiatives to digital news gathering and dissemination, from documentary film-making to sophisticated gaming and interactive media, from media effects to journalism ethics.

Starting in 2015, The Media School's interdisciplinary curriculum, built upon solid liberal arts and sciences foundation, will provide students with course work and training in twenty-first century skills and approaches for the creation, delivery, and analysis of media in all its forms. Flexible degree requirements will integrate immersive digital and multi-media experiences and the study of information delivery with a variety of high impact, hands-on experiences, such as service- and project-based learning, internships, and overseas study. Students in The Media School will have access to more than 200 research and teaching faculty; an incomparable collection of films and media archives; big-box and digital production facilities; the world-class IU Cinema; state-of-the-art studios and research centers; and student-run print, broadcast, and digital media.

#### Affiliated Programs

- [Journalism](#)
- [Communication and Culture](#)
- [Telecommunications](#)

## Medieval Studies

#### Introduction

The Medieval Studies Institute (MEST) offers an undergraduate minor and a certificate. Students may elect to choose one of these options but not both. The program is organized around an interdisciplinary approach to the study of the Middle Ages. Students who are interested in the minor, in the certificate, or in receiving additional information regarding the Institute's events and announcements should consult its website, [www.indiana.edu/~medieval](http://www.indiana.edu/~medieval), or contact the Medieval Studies Institute, Ballantine Hall 650, (812) 855-8201, [mest@indiana.edu](mailto:mest@indiana.edu).

#### Contact Information

The Medieval Studies Institute  
Indiana University  
Ballantine Hall 650  
Bloomington, IN 47405-7103

(812) 855-8201  
[mest@indiana.edu](mailto:mest@indiana.edu)

[www.indiana.edu/~medieval](http://www.indiana.edu/~medieval)

## Faculty

### Core Faculty

#### Director

- Professor Rosemarie McGerr

#### Associate Director

- Professor Bridget Balint

#### Chancellor's Professor

- Robert Fulk (English)

#### Professors

- Christopher Beckwith (Central Eurasian Studies)
- Jamsheed Choksy (Central Eurasian Studies)
- Kari Ellen Gade (Germanic Studies)
- Wendy Gillespie (Jacobs School of Music)
- Hildegard Keller (Germanic Studies)
- Karma Lochrie (English, Gender Studies)
- Michael Long (Jacobs School of Music)
- Rosemarie McGerr (Comparative Literature)
- Jacques Merceron (French and Italian)
- Emanuel Mickel, Jr. (French and Italian)
- Suzanne Stetkevych (Near Eastern Languages and Cultures)
- H. Wayne Storey (French and Italian)
- John Walbridge (Near Eastern Languages and Cultures)
- Rega Wood (Philosophy)

#### Associate Professors

- Christopher Atwood (Central Eurasian Studies)
- Bridget K. Balint (Classical Studies)
- Sarah Bassett (History of Art)
- Deborah Deliyannis (History)
- Shannon Gayk (English)
- Ryan Giles (Spanish and Portuguese)
- Patricia Ingham (English)
- Paul Losensky (Central Eurasian Studies, Comparative Literature)
- Diane Reilly (History of Art)
- Leah Shopkow (History)
- Joel Silver (Lilly Library)

#### Assistant Professor

- Mangling Luo (East Asian Languages and Cultures)

#### Lecturer

- Cherry Williams (Lilly Library)

#### Affiliated Faculty

#### Ottoman and Modern Turkish Studies Professor

- Kemal Silay (Central Eurasian Studies)

#### Distinguished Professor and Ruth N. Halls Professor

- William Newman (History and Philosophy of Science and Medicine)

#### Professors

- Asma Afsaruddin (Near Eastern Languages and Cultures)
- Paul Elliot (Early Music Institute)
- Mark Kaplan (Philosophy)
- Eleanor Winsor Leach (Classical Studies)
- Fedwa Malti-Douglas (Comparative Literature, Gender Studies)
- Timothy O'Connor (Philosophy)
- Rex Sprouse (Germanic Studies, Second Language Studies)

**Associate Professors**

- Arthur Field (History)
- Constance Furey (Religious Studies)
- R. Kevin Jaques (Religious Studies)
- Massimo Scalabrini (French and Italian)
- Eliot Sperling (Central Eurasian Studies)

**Assistant Professor**

- Jonathan Schlesinger (History)

**Lecturer**

- Giuliano DiBacco (Jacobs School of Music)

**Faculty Emeriti****Distinguished Professors Emeriti**

- Judith H. Anderson (English)
- Edward Grant (History, History and Philosophy of Science and Medicine)
- Thomas J. Mathiesen (Jacobs School of Music)
- Mark L. Musa (French and Italian)

**President's Outstanding Faculty Awardee**

- W. Eugene Kleinbauer (History of Art)

**Professors Emeriti**

- Salih Altoma (Near Eastern Languages and Cultures)
- Theodore Andersson (Germanic Studies)
- Frank Banta (Germanic Studies)
- Luis Beltrán (Comparative Literature, Spanish and Portuguese)
- Ann Carmichael (History, History and Philosophy of Science and Medicine)
- Lawrence Clopper (English)
- Henry Cooper (Slavics and East European Languages and Cultures)
- Alfred David (English)
- Jeffrey Huntsman (English)
- Olga Impey (Spanish and Portuguese)
- Sheila Lindenbaum (English)
- Consuelo López-Morillas (Spanish and Portuguese)
- Samuel N. Rosenberg (French and Italian)
- William Shetter (Germanic Studies)
- Paul Spade (Philosophy)
- Paul Strohm (English)
- Ian Thomson (Classical Studies)
- Stephen Wailes (Germanic Studies)

**Academic Advising**

- [bkbalint@indiana.edu](mailto:bkbalint@indiana.edu), Ballantine Hall 650 @

**Minor in Medieval Studies****Required Courses**

Students must complete 15 credit hours from at least three departments in the College of Arts and Sciences. At least three courses (9 credit hours) must be at the 300 level or above, and no more than one course can be at the 100 level. Eligible courses will be certified by the Institute; students should consult with the director to confirm that the courses selected are eligible for credit.

**Certificate in Medieval Studies****Purpose**

The certificate is designed for undergraduates interested in the medieval period within their own areas of specialization who are seeking additional training in preparation for graduate work. The program also provides students majoring in the sciences, social sciences, and business with the opportunity to take a broad range of courses in the humanities and yet maintain focus in their work. A student may earn a certificate as part of completing the bachelor's degree and in addition to completing requirements for a major.

**Required Courses**

Students must complete a minimum of 24 credit hours from at least three departments, including:

1. 6 credit hours of language specifically used during the Middle Ages, including courses above the 100 level in Arabic, Greek, Hebrew, Italian, Latin, Old English, Old Icelandic, Old Norse, Old Provençal (through the Institute), and Persian.
2. A 3 credit historical survey.
3. 15 credit hours of electives, chosen either from the Institute's offerings or from those of participating departments approved by the director of the Institute.
4. At least three courses (9 credit hours) must be at the 300 level or above, and no more than one course can be at the 100 level.

**Course Descriptions****MEST-M 200 Medieval Cultures (3 cr.) CASE A&H,**

**CASE GCC** Introduction to medieval cultures and life. May be repeated once with a different topic for a maximum of 6 credit hours.

**MEST-M 250 Medieval Italy (3 cr.) CASE A&H, CASE**

**GCC** The cultural, political and artistic formation of Italy from third-century Rome to fourteenth-century Florence. Examines the role of family ties, the state, political party, and the church, as well as the effects of financial interests, class, language, education, and gender in the formation of identity from Milan and Venice to Arabic and Norman Sicily.

**MEST-M 260 Medieval Provence (3 cr.) CASE A&H,**

**CASE GCC** The historical, cultural, and linguistic traditions of medieval Provence from the dissolution of the Roman Empire through the sixteenth century and the effects of this culture on medieval and Renaissance Italy and Spain.

**MEST-M 390 Studies in Medieval Culture (3-4 cr.)**

**CASE GCC** Examination and evaluation of various aspects, periods, and manifestations of medieval civilization. Study will be interdisciplinary, focusing on such subjects as Jews, Muslims, and Christians in the Middle Ages; the Carolingian Renaissance; multicultural Provence and its diaspora. May be repeated with a different topic for a maximum of 8 credit hours.

**MEST-M 490 Topics in Medieval Studies (2-4 cr.)**

Exploration of a medieval topic, such as social history through literary texts, written and visual texts, centers of Western medieval culture, critical trends in medieval studies. Readings in English. May be repeated with a different topic for a maximum of 8 credit hours.

# Near Eastern Languages and Cultures

## Introduction

The Department of Near Eastern Languages and Cultures (NELC) offers a major leading to the B.A. degree with tracks in Arabic, Hebrew, and Persian, as well as minors in Arabic, Persian, Turkish, Islamic Studies, and Near Eastern Civilization. Courses are also available to students in other disciplines who wish to acquire a working knowledge of a Near Eastern language or satisfy a foreign language requirement. Courses in Near Eastern literatures and cultures, many of which are open to students with no knowledge of these languages, may be used in conjunction with other disciplines such as linguistics, English, comparative literature, and folklore to satisfy Breadth of Inquiry requirements. All courses can also be taken as electives.

The Department of Near Eastern Languages and Cultures is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

## Contact Information

Near Eastern Languages and Cultures  
Indiana University  
GB 219, Goodbody Hall  
Bloomington, IN 47405-7005

(812) 855-5993  
[nelsc@indiana.edu](mailto:nelsc@indiana.edu)

<http://www.indiana.edu/~nelc/>

## Faculty

### Chairperson

- Professor Asma Afsaruddin

### College Professor

- Henry Glassie (Emeritus, Folklore and Ethnomusicology)

### Professors

- Asma Afsaruddin
- Salman Al-Ani
- Salih Altoma (Emeritus)
- Devin DeWeese (Central Eurasian Studies)
- Hasan El-Shamy (Folklore and Ethnomusicology)
- John Hanson (African Studies, History)
- Stephen Katz (Jewish Studies)
- W. Eugene Kleinbauer (Emeritus, Fine Arts)
- Herbert Marks (Comparative Literature)
- Thomas J. Mathiesen (Distinguished Professor of Musicology, Jacobs School of Music)
- Christine Ogan (Emerita, Journalism)

- Karen Rasler (Political Science)
- M. Nazif Shahrani (Central Eurasian Studies, Anthropology)
- Suzanne Stetkevych
- Ruth Stone (Folklore and Ethnomusicology)
- John Walbridge

### Associate Professors

- Jane Goodman (Communication and Culture)
- Kevin Jaques (Religious Studies)
- Aziza Khazzoom
- Paul Losensky (Central Eurasian Studies)
- Abdulkader Sinno (Political Science)
- Stephen Vinson

### Assistant Professors

- Kevin Martin
- David McDonald (Folklore and Ethnomusicology)
- Nader Morkus
- Kaya Sahin (History)

### Adjunct Visiting Professor

- Feisal Istrabadi (Maurer School of Law)

### Senior Lecturers

- Cigdem Balim-Harding
- Zainab S. Istrabadi

### Undergraduate and Honors Advisor

- Will Smith, Goodbody Hall 240, (812) 855-2736

## Major in Near Eastern Languages and Cultures

### Purpose

The major is designed to provide basic training in the languages of the Near East and to introduce students to Near Eastern cultures.

### Required Courses

Students must select either the Language Track or the Culture Track. Students must complete a minimum of 31 credit hours in department-approved courses. Students with language proficiency who are not eligible for special credit in the major language will need to take department-approved advanced language courses or additional culture courses to meet the 31 credit hour minimum required for the major. Language courses at the 100 level do not count toward the major.

### Language Track (Arabic, Hebrew, or Persian)

- Three years of Arabic, Hebrew, or Persian language (or the equivalent).
- Additional courses chosen with the consent of the undergraduate advisor to total a minimum of 31 credit hours in the major.
- At least 18 credit hours must be completed at the 300–400 level.

### Culture Track

- Two years of Arabic, Hebrew, Persian, or Turkish language (or the equivalent).
- Additional courses chosen with the consent of the undergraduate advisor to total a minimum of 31 credit hours in the major.
- At least 18 credit hours must be completed at the 300–400 level.

Students must also complete the degree requirements of the College of Arts and Sciences.

Note: For Hebrew language and culture courses, see language courses in the Jewish Studies section of this *Bulletin*.

#### **Related Fields**

Anthropology, Central Eurasian studies, classics, comparative literature, economics, fine arts, folklore, gender studies, geography, history, history of art, Jewish studies, linguistics, philosophy, political science, religious studies, and sociology.

### **Minor in Near Eastern Languages and Cultures**

The Department of Near Eastern Languages and Cultures offers a minor in six different tracks: Arabic, Kurdish, Persian, Turkish, Islamic Studies, and Near Eastern Civilization.

#### **Required Courses**

15 credit hours are required for each minor track in the Department of Near Eastern Languages and Cultures. The minor is to be completed with a minimum average grade of C+. First-year language courses do not count toward the minor.

1. 9 credit hours must be taken in the Department of Near Eastern Languages and Cultures or relevant courses in affiliated departments on the Bloomington campus. Up to 6 credit hours of transfer or foreign-study credits can be accepted for a minor in Near Eastern Languages and Cultures, with the approval of the undergraduate advisor. Critical Approaches to the Arts and Sciences courses taught by NELC faculty can count toward the minor in Near Eastern Languages and Cultures.
2. For the minor tracks in Arabic, Kurdish, Persian, and Turkish, two courses are required in the appropriate language. **Note:** This requirement cannot be satisfied through testing. For complete information regarding credit in beginning foreign language courses, consult the "Foreign Language" section of this *Bulletin*. In addition, at least 3 credit hours are required in a course related in content to the student's primary language of study but not a language course per se.
3. For the minor tracks in Islamic studies and Near Eastern civilization, students will take 15 credit hours, selected from the broad array of departmental courses.
4. A minimum of 9 credit hours of course work in the minor must be at the 300–400 level.

Each student's course work must be approved by the department's undergraduate advisor.

### **Departmental Honors Program**

The departmental honors program is designed to provide outstanding students with an in-depth training in Arabic, Hebrew, Persian, or Turkish. Such students are encouraged to enroll in this program in their junior or senior year. Honors students must complete a minimum of two courses: N399 Reading for Honors (3 cr.) and N499 Honors Thesis (3 cr.). Students interested in enrolling in N399 should consult the director of undergraduate

studies. In N399 students do advanced readings in Arabic, Persian, or Turkish in preparation for work on a research project. N499 involves a research project leading to the completion of the student's honors thesis. This course should be taken under the supervision of the faculty tutor who guided the student in N399.

### **Course Descriptions**

#### **Arabic Language**

**NELC-A 100 Elementary Arabic I (5 cr.)** Modern standard Arabic as in contemporary literature, newspapers, and radio. Grammar, reading, dictation, composition, penmanship, conversation, translation. I Sem.

**NELC-A 150 Elementary Arabic II (5 cr.)** P: A100 or equivalent. Modern standard Arabic as in contemporary literature, newspapers, and radio. Grammar, reading, dictation, composition, penmanship, conversation, translation. II Sem.

**NELC-A 160 First-Year Arabic (4 cr.)** For students with prior knowledge of Arabic whose scores on the placement test do not place them into second-year Arabic. Covers the grammar and vocabulary of Elementary Arabic I and II (A100 and A150) in one semester.

**NELC-A 200 Intermediate Arabic I (5 cr.)** P: A150 or equivalent. Grammar, reading, composition, conversation, and translation, using materials from medieval classical and modern literary Arabic. A200, I Sem.

**NELC-A 250 Intermediate Arabic II (5 cr.)** P: A200 or equivalent. Grammar, reading, composition, conversation, and translation, using materials from medieval classical and modern literary Arabic. A250, II Sem.

**NELC-A 300 Advanced Arabic I (3 cr.)** P: Consent of department. Continuation of A200-A250. A300, I Sem.; A350, II Sem.

**NELC-A 310 Arabic Dialects I (3 cr.)** P: A200 or N182. Focuses on a particular regional dialect (Egyptian, Iraqi, North African), teaching students to speak the everyday language. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-A 320 Arabic Dialects II (3 cr.)** P: A310 or equivalent. Language course which focuses on a particular regional dialect (Egyptian, Iraqi, North African) and teaches students to speak the everyday language. May be repeated with a different language for a maximum of 6 credit hours.

**NELC-A 350 Advanced Arabic II (3 cr.)** P: Consent of department. Continuation of A200-A250. A300, I Sem.; A350, II Sem.

**NELC-A 400 Advanced Arabic III (3 cr.)** P: A350 with a grade of B or higher. An advanced Arabic language course which builds on the student's knowledge of Arabic structures and vocabulary, aiming for higher proficiency in stylistic differences and usage.

**NELC-A 450 Advanced Arabic IV (3 cr.)** P: A400 with a grade of B or higher. An advanced Arabic language course which builds on the student's knowledge of Arabic structures and vocabulary, aiming for higher proficiency in stylistic differences and usage.

**NELC-N 223 Conversational Arabic (3 cr.)** Formal spoken or “polite” Arabic, with attention to divergences in Arabic dialects.

**NELC-N 255 Multimedia Arabic (3 cr.)** P: A200. Modern literary Arabic as found in newspapers, magazines, television, and radio will be the main source of material for this course. Focuses on speaking, reading, and vocabulary in this genre. Language laboratory materials, computer programs, and SCOLA will be utilized.

**NELC-N 310 Arabic Composition (3 cr.)** P: A100-A150. Readings from Arabic essayists and practice in writing of essays.

**NELC-N 312 Arabic Grammar (3 cr.)** P: A100-A150, A200, or consent of instructor. This course will present, in Arabic, the principal features of traditional classical Arabic grammar. A treatise on Arabic grammar will be utilized to constitute a base and guide for student reading.

**NELC-N 324 Introduction to Arabic Linguistics (3 cr.)** Concise history and description of the structure of Arabic. Special emphasis on the written and selected spoken varieties of modern Arabic phonology, grammar, and basic vocabulary.

**NELC-N 329 Arabic Phonetics and Phonology (3 cr.)** **CASE N&M** Systematic study of Arabic phonetics/phonology utilizing scientific phonetics both practical and theoretical and the phonological processes of generative phonological theory.

**NELC-N 393 Individual Readings in Classical Arabic (1-6 cr.)** Linguistic and literary analysis of selected classical Arabic texts.

**NELC-N 394 Individual Readings in Modern Arabic (1-6 cr.)** Linguistic and literary analysis of selected modern Arabic texts.

**NELC-N 398 Individual Readings in Arabic Language and Linguistics (1-6 cr.)** Focuses on reading and analyzing materials in the fields of Arabic language and linguistics. Students may register to research certain aspects of these fields that are not covered by the regular sequence of departmental courses. May be repeated for a maximum of 6 credit hours.

#### Ancient Egypt

**NELC-E 100 Elementary Hieroglyphic Egyptian I (4 cr.)** Introduction to Middle Egyptian, the language of Ancient Egypt as spoken and written during the Middle Kingdom and early New Kingdom (c. 2000 BCE - 1400 BCE). Students master the rudiments of the hieroglyphic script and learn basic Egyptian grammar and vocabulary. Credit given for only one of E100 or E101.

**NELC-E 150 Elementary Middle Egyptian II (4 cr.)** P: Grade of B or higher in E100 or consent of instructor. Continuation of the introduction to Middle Egyptian, the language of Ancient Egypt as spoken and written during the Middle Kingdom and early New Kingdom (c. 2000 BCE - 1400 BCE). Students master the basics of the hieroglyphic script, learn advanced Egyptian grammar and vocabulary, and read edited hieroglyphic texts. Credit given for only one of E150 or E102.

**NELC-E 200 Intermediate Middle Egyptian (3 cr.)** P: Grade of B or higher in E150 or consent of instructor.

Readings from Middle Egyptian prose and poetic texts of intermediate difficulty. Texts will include fictional narratives, royal inscriptions, personal letters, religious texts and tomb autobiographies.

**NELC-E 201 History and Civilization of Ancient Egypt (3 cr.)** **CASE S&H, CASE GCC** The history and civilization of ancient Egypt including important historical and cultural events from the Egyptian Predynastic period (c. 5000 - 3050 BCE) to the end of Egypt's traditional culture (c. 450 CE).

**NELC-E 250 Late Egyptian: Grammar and Texts (3 cr.)** P: Grade of B or higher in E200 or consent of instructor. Fundamentals of literary and documentary Late Egyptian (Egyptian as written during the later New Kingdom and Third Intermediate Period), through reading and study of literary and documentary texts and royal inscriptions.

**NELC-E 300 Demotic Egyptian I: Grammar and Script (3 cr.)** P: Grade of B or higher in E250 or consent of instructor. Introduction to Demotic, the script and vernacular language of Ancient Egypt, in documented usage from around 650 BCE to around 450 CE.

**NELC-E 301 Religions of Ancient Egypt (3 cr.)** **CASE A&H, CASE GCC** A survey of religious belief and practice in Egypt from the Late Predynastic period (c. 3500 BCE) down to the end of Egypt's traditional culture (c. 500 CE).

**NELC-E 306 Topics in Egyptology (3 cr.)** **CASE A&H, CASE GCC** Advanced study of selected topics in the history, culture or religion of Ancient Egypt. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-E 350 Demotic Egyptian II: Persian and Ptolemaic Texts (3 cr.)** P: Grade of B or higher in E300 or consent of instructor. Continues mastery of Demotic, the vernacular script and language of Egypt as written from circa 650 BCE to circa 450 CE.

#### Kurdish Language

**NELC-K 100 Introduction to Kurdish I (4 cr.)** Basic communication skills in Kurdish taught using the Kurmanji Kurdish dialect. Functional knowledge of sentence structures and vocabulary.

**NELC-K 150 Introduction to Kurdish II (4 cr.)** P: K100 or equivalent proficiency. A continuation of K100. Familiarity with the grammar of Kurmanji Kurdish will be strengthened through readings, conversation, and an introduction to Kurdish music, literature, and popular culture.

**NELC-K 200 Intermediate Kurdish I (3 cr.)** P: K150 or equivalent proficiency. A continuation of the basic skills taught in K100 and K150 with the aim of expanding vocabulary and functional grammatical knowledge.

**NELC-K 250 Intermediate Kurdish II (3 cr.)** P: K200 or equivalent proficiency. Building upon the foundational skills developed in previous semesters, students continue to solidify their command of vocabulary and their knowledge of grammar.

#### Persian Language and Literature

**NELC-N 240 Directed Readings in Persian Language (1-4 cr.)** Readings in Persian texts selected in accordance with the student's level and interest. May be repeated for a maximum of 8 credit hours.

**NELC-P 360 Topics in Studies of Iranian Languages (3 cr.)**

An introduction to selected works of Iranian languages in relation to social history and religious and political developments. Topics will vary from semester to semester. May be taken for a total of 9 credit hours with different topics.

**NELC-P 365 Introduction to Persian Literature in Translation (3 cr.) CASE A&H** Intended to provide coverage of the development of Persian literature from its earliest stages in the tenth century A.D. to the present. Although the course covers a broad period of about 1,000 years, it does so in a general way and seeks to provide background information for students who may have an interest in Persian literature.

**NELC-N 380 Topics in Persian Literature in Translation (3 cr.) CASE A&H, CASE GCC** Study and analysis of selected readings from Persian literature in English translation. May concentrate on a particular theme, period, or author. Special attention paid to the historical and cultural contexts of the works, as well as problems in translation, critical analysis, and interpretation. May be repeated with a different topic for a maximum of 6 credit hours in N380, CEUS R354, and CEUS U372.

**NELC-N 385 Persian Mystical Literature in Translation (3 cr.) CASE A&H, CASE GCC** Examines the Persian literature of Islamic mysticism in English translation. Following an introduction to the history and doctrines of Sufism, the class will turn to detailed readings and discussions of works in several prose and poetic genres: hagiographic biography, allegorical epic, mystical lyric, and gnostic meditation.

**History, Civilization, Literature, and Religion**

**NELC-N 122 U.S. Foreign Policy and the Muslim World (3 cr.) CASE S&H** An introduction to some salient debates that shape American foreign policy toward the Middle East and the Muslim world today.

**NELC-N 203 Topics in Middle Eastern History (3 cr.) CASE S&H** Studies of a particular theme or topic in Middle Eastern history. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-N 204 Topics in Middle Eastern Culture and Society (3 cr.) CASE S&H, CASE GCC** Analysis of selected Middle Eastern cultural or social issues. Topics will vary. May be repeated with different topics for a maximum of 9 credit hours.

**NELC-N 205 Topics in Middle Eastern Literature (3 cr.) CASE A&H** Selected works of Middle Eastern literature in relation to a single cultural problem or theme. Topics will vary. May be repeated with different topics for a maximum of 9 credit hours.

**NELC-N 207 Topics in Islamic Studies (3 cr.)** Studies of particular topics or themes in Islamic thought and practice. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-N 208 Muslim Communities in Europe and the U.S.: Transnational Islam (3 cr.) CASE S&H, CASE DUS** An interdisciplinary survey course about the social and cultural aspects of the contemporary Muslim communities in Europe and the United States, with

stress on the transnational character of these immigrant communities.

**NELC-N 212 Contemporary Literatures of the Middle East (in English Translation) (3 cr.) CASE A&H, CASE GCC**

An introduction to contemporary literature of the Middle East (in English translation) and to the main concepts and approaches used in academic discourse on literary analysis. Offers insight into the cultures, lives, and issues of the peoples of the Middle East.

**NELC-N 214 Multiple Voices of Israeli Society (3 cr.) CASE S&H, CASE GCC**

A survey of academic work by and about different groups in Israel. Attention is paid to local and theoretical issues highlighted by this work, such as collective memory, identity of immigrants, diaspora and the experience of homecoming, gay and lesbian families, reproductive regimes, and religious and secular worldviews. Credit given for only one of N214 or JSTU-C 214.

**NELC-N 216 Israeli Inequality in Context (3 cr.) CASE S&H, CASE GCC**

How does Israeli inequality compare to inequality in other societies? And within Israel, how do different axes of inequality, like nation, gender, sexual orientation, immigration status, etc., relate to and inform each other? The course addresses these questions using a social stratification approach. Credit given for only one of N216 or JSTU-C 216.

**NELC-N 220 Muhammad: Life of the Prophet (3 cr.) CASE S&H, CASE GCC**

Study, from an historical perspective, of the career of the prophet of Islam, Muhammad b. Abd Allah, from pre-Islamic times through his call to prophethood; his campaigns against the opposition; the establishment of the Muslim community at Medinah; the conquest of Mecca; and his death.

**NELC-N 222 The Contemporary Middle East in World Politics (3 cr.) CASE S&H** An introduction to the interaction among people, governments, and outside powers in the greater Middle East and North Africa.

**NELC-N 245 Introduction to the Ancient Near East (3 cr.) CASE S&H**

Introduction to ancient Near Eastern cultures from early farmers around 8000 B.C. to the Iron Age kingdoms of the Babylonians, Assyrians, and Iranians; emphasis on agriculture, literacy, urbanization, state formation, sociopolitical and religious institutions, and legal and economic developments. Archaeological and textual information will be utilized in conjunction with visual aids. Credit given for only one of N245, CEUS R250, or CEUS U254.

**NELC-N 251 Post-Taliban Afghanistan and the War on Terror (3 cr.) CASE S&H, CASE GCC**

The September 11th attacks prompted the on-going "War on Terrorism" against Taliban-controlled Afghanistan. This course examines this conflict while focusing on Afghanistan as a multi-ethnic, modern nation-state ravaged by a century of internal colonialism and most recently by foreign invasions, proxy wars, and global terrorism. Credit given for only one of NELC-N 251, ANTH-E 251, or CEUS-R 251.

**NELC-N 265 Introduction to Islamic Civilization (3 cr.) CASE S&H, CASE GCC**

Survey of Islamic civilization in the classical period. Topics include the life of Muhammad, Koranic and other teachings of Islam, conquests and

caliphates, early successor states, law, sects, theology, philosophy, and the relationship between state and religion. Credit given for only one of N265 or HIST C205.

**NELC-N 268 Military History of the Middle East (3 cr.)**  
**CASE S&H** Survey of conflict in the Middle East including the rise of Islam, the Crusades, World War I, the Arab-Israeli Conflict, the Persian Gulf Wars, and terrorism.

**NELC-N 303 Issues in Middle Eastern History (3 cr.)**  
**CASE S&H** In-depth study of a particular topic, problem, or theme of Middle Eastern history. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-N 304 Issues in Middle Eastern Culture and Society (3 cr.)**  
**CASE S&H** In-depth studies of particular problems, themes, and topics relating to the cultures of the Middle East. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-N 305 Issues in Middle Eastern Literature (3 cr.)**  
**CASE GCC** Selected works of Middle Eastern literature in relation to a singular cultural problem or theme. Topics will vary. May be repeated with different topics for a maximum of 9 credit hours.

**NELC-N 306 Topics in Middle Eastern Studies (3 cr.)**  
In-depth studies of particular topics, problems, or themes in Middle Eastern studies. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-N 307 Issues in Islamic Studies (3 cr.)** In-depth studies of particular topics, problems, or themes in Islamic studies. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-N 339 Middle Eastern Politics (3 cr.)**  
**CASE S&H, CASE GCC** Political culture and change in selected Middle Eastern and North African countries. Topics include political elites, traditional cultures, modern political ideology, institutions of political control, conflict management, and social reform policies. Credit given for only one of N339 or POLS-Y 339.

**NELC-N 340 Prophets, Poets, and Kings: Iranian Civilization (3 cr.)**  
**CASE S&H, CASE GCC** Traces the culture, society, and beliefs of Iran from ancient times through the Muslim conquest to the eighteenth century. Focuses on politics, religions (Zoroastrianism, Manichaeism, and Islam), administrative and social institutions, relationship between secular and ecclesiastic hierarchies, status of minorities, devotional and communal change, and Iranian influences on Islamic culture. Visual aids used in class.

**NELC-N 350 Modern Iran (3 cr.)**  
**CASE S&H, CASE GCC** The history and culture of Iran from 1500 to the present, with an emphasis on developments in the last century, in particular the role of Shiism in shaping the history of modern Iran. Readings will deal with the historical, religious, and cultural background, the two great revolutions of the 20th century, and the role of Iran in recent events in the Middle East. We will also follow current events in Iran on a regular basis.

**NELC-N 352 Contemporary Turkey (3 cr.)**  
**CASE S&H, CASE GCC** A comprehensive reading about and discussion of major issues for Turkey from 1970s

to date. Issues include domestic politics and foreign policy; European Union; social structure; religion; art and culture; migration and transnational Turkish communities; minorities in Turkey; Turkey and Central Asia/Caucasus/Middle East; and relations with the U.S.

**NELC-N 365 Islamic Philosophy (3 cr.)**  
**CASE A&H** This course introduces the chief philosophers, schools, and issues of Islamic philosophy. Issues discussed include the relationship between religion and philosophy, philosophy and society; the essence/existence and necessary/contingent distinctions; basis of rational knowledge; relationship between mysticism and philosophy.

**NELC-N 370 Koranic Studies (3 cr.)**  
**CASE GCC** The Koran in its historical role as the Islamic revelation. Its formation and compilation, the structural and stylistic characteristics of the text, and its role and function in Islam. The different schools of interpretation throughout history, and comparative studies between the Koran and the Judeo-Christian scriptures.

**NELC-N 391 War and Peace in the Islamic Tradition (3 cr.)**  
**CASE A&H, CASE GCC** P: An introductory course on Islam or Islamic history. War and peace are universal themes in which Muslim scholars took great interest. This class will focus on how the concepts of war and peace are dealt with as religious, ethical, and legal issues within the internally diverse Islamic tradition. Readings will focus on Qur'an commentaries, hadith, and legal texts.

**NELC-N 392 Islam and Modernity (3 cr.)**  
**CASE GCC** Islam and its compatibility with modernity is a much debated issue. Examination of this timely topic and the important hot-button issues involved in these debates, such as political Islam, democracy, pluralism, women's rights, human rights, secularization, and globalization.

**NELC-N 397 Peoples and Cultures of the Middle East (3 cr.)**  
**CASE S&H, CASE GCC** General anthropological introduction to social institutions and cultural forms of the Arab countries of North Africa and the Near East, Israel, Turkey, Iran, and Afghanistan. Topics include ecology, development of Islam and Muslim empires, traditional adaptive strategies, consequences of colonialism, independence and rise of nation-states, impact of modernization, changing conceptions of kinship, ethnicity, and gender. Credit given for only one of N397, ANTH E397, CEUS R352, or CEUS U397.

**NELC-N 399 Readings for Honors (3 cr.)** P: Approval of the departmental honors advisor. Individual readings for outstanding students in Arabic, Hebrew, or Persian in preparation for the honors thesis (N499) supervised by a member in the appropriate field.

**NELC-N 492 Research in Classical Persian Texts (3 cr.)** P: P250 or reading knowledge of Persian. Intensive training in classical Persian. Emphasis on the accurate reading and translation of classical texts, their grammatical and stylistic features, and the use of modern and classical lexica. Survey of relevant bibliographic and secondary sources. May be repeated with a different topic for a maximum of 6 credit hours.

**NELC-N 495 Directed Readings in Near Eastern Languages and Cultures (3-4 cr.)** Study and analysis of selected Near Eastern Languages and Cultures issues and problems within an interdisciplinary format. Topics

will vary and will ordinarily cut across fields, regions, or periods. May be repeated once with a different topic for a maximum of 6 credit hours.

**NELC-N 499 Honors Thesis (3 cr.)** P: N399 and approval of honors advisor. A specialized research project conducted under the supervision of a staff member in the appropriate field.

## Other Courses

### Central Eurasian Studies

- CEUS-T 151 Introductory Persian I
- CEUS-T 152 Introductory Persian II
- CEUS-T 251 Intermediate Persian I
- CEUS-T 252 Intermediate Persian II
- CEUS-T 351 Advanced Persian I
- CEUS-T 352 Advanced Persian II
- CEUS-T 181 Introductory Turkish I
- CEUS-T 182 Introductory Turkish II
- CEUS-T 281 Intermediate Turkish I
- CEUS-T 282 Intermediate Turkish II
- CEUS-T 381 Advanced Turkish I
- CEUS-T 382 Advanced Turkish II

### Comparative Literature

- CMLT-C 370 Comparative Studies in Western and Middle Eastern Literatures (3 cr.) **CASE A&H, CASE GCC**

### Fine Arts

- FINA-A 327 Survey of Islamic Art (3 cr.) **CASE S&H, CASE GCC**

### Folklore and Ethnomusicology

- FOLK-F 307 Middle Eastern Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC**

### Jewish Studies

- JSTU-B 200 Intermediate Biblical Hebrew I (3 cr.)
- JSTU-B 250 Intermediate Biblical Hebrew II (3 cr.)
- JSTU-C 240 Contemporary Israeli Culture (3 cr.) **CASE A&H, CASE GCC**
- JSTU-C 340 The *Kibbutz* in Fact and Fiction (3 cr.) **CASE A&H, CASE GCC**
- JSTU-C 360 Israeli Film and Fiction (3 cr.) **CASE A&H, CASE GCC**
- JSTU-H 100-H150 Elementary Hebrew I-II (4–4 cr.)
- JSTU-H 190 Intensive Elementary Hebrew (6 cr.)
- JSTU-H 200-H250 Intermediate Hebrew I-II (3–3 cr.)
- JSTU-H 296 Foreign Study in Hebrew (1–6 cr.)
- JSTU-H 300-H350 Advanced Hebrew I-II (3–3 cr.)
- JSTU-H 365 Advanced Hebrew Conversation and Composition (3 cr.)
- JSTU-H 375 Introductory Readings in Hebrew Literature (3 cr.) **CASE A&H**
- JSTU-H 396 Foreign Study in Hebrew (1–6 cr.)
- JSTU-H 460 Israel Film and Fiction (3 cr.) **CASE A&H, CASE GCC**
- JSTU-H 480 Modern Hebrew Literature in Hebrew (3 cr.) **CASE A&H, CASE GCC**
- JSTU-H 485 Recent Hebrew Literature in Hebrew (3 cr.) **CASE A&H, CASE GCC**
- JSTU-H 497 Individual Readings in Hebrew (1–4 cr.)

- JSTU-L 280 David: The Man and the King (3 cr.) **CASE A&H, CASE GCC**
- JSTU-L 285 Guns and Roses: Representations of Soldiers and War in Modern Hebrew Literature (3 cr.) **CASE A&H, CASE GCC**
- JSTU-L 380 Modern Hebrew Literature in English (3 cr.) **CASE A&H, CASE GCC**
- JSTU-L 385 Recent Hebrew Literature in English (3 cr.) **CASE A&H, CASE GCC**
- JSTU-L 390 Biblical Themes in Modern Hebrew Literature (3 cr.) **CASE A&H**
- JSTU-L 395 S. Y. Agnon and the Jewish Experience (3 cr.) **CASE A&H, CASE GCC**

### Political Science

- POLS-Y 102 International Political Controversies (3 cr.) **CASE S&H** Approved topic: U.S. Foreign Policy and the Muslim World
- POLS-Y 200 Contemporary Political Problems (3 cr.) **CASE S&H** Approved topic: The Contemporary Middle East in World Politics
- POLS-Y 401 Topics in Political Science (3 cr.) **CASE S&H** Approved topic: Muslims in the West

## Philosophy

### Introduction

The curriculum of the Department of Philosophy (PHIL) can contribute to the intellectual training of all undergraduates and acquaint them with some of the most important developments in the history of ideas. Courses in the department emphasize clear and cogent thinking about fundamental problems, locate the origins of these problems in the writings of the great philosophers, and provide in-depth examinations of proposed solutions.

Prerequisites for courses may be waived with consent of instructor.

### Contact Information

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### Faculty

#### Chairperson

- Gary Ebbs

#### Halls Professor

- Allen Wood

#### Rudy Professor

- Marcia Baron

#### Professors

- Gary Ebbs
- Mark Kaplan
- Kirk Ludwig
- David C. McCarty

- Michael McRobbie
- Timothy W. O'Connor
- Frederick Schmitt
- Joan Weiner
- Rega Wood

#### **Associate Professors**

- Kate Abramson
- Adam Leite

#### **Assistant Professor**

- Pieter Hasper
- Sandra Shapshay

#### **Senior Lecturer**

- Leah Savion

#### **Director of Undergraduate Studies**

- Sandra Shapshay, Sycamore Hall 015, (812) 855-4131

#### **Academic Advising**

- Nathan Hendershott, Ballantine Hall 437, (812) 855-6263

## **Major in Philosophy**

#### **Purpose**

The major in philosophy leads to the B.A. degree and is flexible enough to meet the needs and interests of those who are not planning to become professional philosophers, as well as the needs and interests of those who do have such plans.

#### **Required Courses**

Students must complete a minimum of 30 credit hours in philosophy. No more than 3 credit hours of course work in the category of introductory courses (that is, any 100-level course or P240 or P270) may be included in the 30 credit hour minimum. Students are required to take:

1. P250 Introductory Symbolic Logic.
2. One course at or above the 200 level in history of philosophy.
3. One course at or above the 300 level in ethics and value theory.
4. One course at or above the 300 level in epistemology and metaphysics.
5. One 400-level course from among the following:
  - P401 Special Topics in the History of Philosophy
  - P470 Special Topics in Philosophy
  - P498 Senior Seminar
  - P499 Honors Thesis
6. A minimum of 18 credit hours must be completed at the 300-400 level.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### **Recommendations**

An exemplary plan of course work for majors who are considering graduate study in philosophy might be as follows: one course in logic (P250, which should be completed at the earliest opportunity); four courses in the history of philosophy (e.g., P201, P211, P301 or P304, and P401); two courses in epistemology and metaphysics (e.g., P310 and P312); and two courses in ethics and

sociopolitical philosophy (e.g., P340 or P342). Varied interests in particular areas of philosophy will suggest other equally worthwhile plans of course work.

#### **Transfer of Credits toward Major**

Students planning to transfer philosophy credits toward a major in philosophy should consult with the director of undergraduate studies. Of the 30 credit hours required for the major in philosophy, at least 18 must be completed in residence on the Bloomington campus. These 18 credit hours will usually be 300- and 400-level courses taken from at least three of the following areas: logic, ethics and social-political philosophy, history of philosophy, and epistemology and metaphysics.

## **Departmental Honors Program**

Outstanding undergraduate majors in philosophy may be eligible for participation in the Philosophy Honors Program. Prior to their last two semesters of enrollment as majors, interested students should apply to the director of undergraduate studies. Applicants must have a cumulative grade point average of at least 3.300, and this minimum must be maintained until graduation. An Honors Program participant is expected to take P498 (4 cr.) under the direction of a faculty advisor, to engage in independent study of a self-selected topic in philosophy. The candidate for Philosophy Honors designation must then take P499 (3–6 cr.), again under the direction of a faculty advisor, and must complete a substantial honors thesis. The completed thesis must be examined and certified by a committee of at least two philosophy faculty members, including the thesis advisor.

## **Interdepartmental Major in Philosophy and Political Science**

#### **Required Courses**

Students must take a minimum of 42 credit hours, with a minimum of 18 credit hours in each department.

#### **Philosophy**

1. At least 18 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours in 300-level or above courses.
2. At least one course above the 100 level in each of the following three areas:
  - Ethics and value theory
  - History of philosophy
  - Epistemology and metaphysics
3. One of the following logic courses: P150 or P250.

#### **Political Science**

1. At least 18 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours at or above the 300 level.
2. At least one 300- or 400-level course in each of the following areas:
  - American Politics (Y301–Y320, Y324–Y326, Y329, Y349, Y390, Y394)
  - Comparative Politics or International Relations (Y332–Y348, Y350–Y372, Y374–Y376, Y407)

3. At least two 300- or 400-level courses in political theory (Y379, Y381–Y388, Y406).
4. Y490 Senior Seminar in Political Science.

## Interdepartmental Honors Program in Philosophy and Political Science

Students with a minimum cumulative grade point average of 3.300 and minimum 3.500 in political science are eligible for the interdepartmental honors program in political science and philosophy, which culminates with an honors thesis. The honors program has two requirements:

1. One honors thesis\*
2. One of the following pairs of courses:
  - PHIL-P 498 Senior Seminar and P499 Honors Thesis **or**
  - POLS-Y 480 Colloquium and Y499 Honors Thesis

The choice of the pair depends on whether the student's honors director is a philosophy or political science faculty member. The thesis will be judged by an honors committee that consists of members from both departments.

\*Although the thesis typically involves topics and issues from both disciplines, exceptions will be allowed with the approval of the directors of undergraduate studies from both departments.

## Interdepartmental Major in Philosophy and Religious Studies

### Required Courses

Students must take a minimum of 42 credit hours, including one course (from either department) in the philosophy of religion (either P371 or R380) and the following course work in each department:

#### Philosophy

1. At least 21 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours in 300-level or above courses.
2. At least one course above the 100 level in each of the following areas:
  - Ethics and value theory
  - History of philosophy
  - Epistemology and metaphysics
3. One of the following logic courses: P150 or P250.
4. One (3 credit hour) 400-level philosophy course.

#### Religious Studies

1. At least 21 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours in courses at the 300 level or above.
2. At least one (above 100 level) course above the 100 level chosen from Area D (Theory, Ethics, Comparison).
3. At least one course above the 100 level chosen from two of the remaining three areas: A (Africa, Europe, and West Asia), B (South and East Asia), C (The Americas).

4. One course (3 credit hours) in Religious Studies at the 400 level other than R494, R495, R496, and R499.
5. R389 Majors Seminar in Religion.

## Interdepartmental Honors Program in Philosophy and Religious Studies

Students with a minimum grade point average of 3.300 are eligible for the interdepartmental honors program in philosophy and religious studies, which culminates with one final honors thesis that combines notions from both disciplines. The honors program has the additional following requirement:

One of the following pairs of courses:

- P498 Senior Seminar and P499 Honors Thesis (Philosophy) **or**
- R399 Reading for Honors and R499 Senior Honors Essay, or an appropriate equivalent (Religious Studies)

The choice of the pair depends on whether the student works with a Philosophy or Religious Studies faculty member. The thesis will be judged by an honors committee that consists of members from both departments.

## Minor in Philosophy

### Required Courses

Students must complete a minimum of 15 College of Arts and Sciences credit hours of philosophy, including:

1. Not more than one course at the 100 level.
2. At least three courses (9 credit hours) at the 300 or 400 level.
3. At least one course above the 100 level in three of the following areas. (**Note:** In unusual circumstances students may petition to the director of undergraduate studies for an exception, but in all cases a minor must involve course work above the 100 level in at least two areas):
  - Logic
  - Ethics or value theory
  - History of philosophy
  - Epistemology and metaphysics
  - Special topics
4. At least two courses must be completed in one of the areas listed above.

## Minor in Philosophy of the Arts

### Required Courses

Students must complete a minimum of 15 credit hours of course work, including:

1. One of the following logic courses: P150, P250, or P251.
2. Two courses chosen from P320, P347, P348.
3. Two courses chosen from P201, P304, P346.

### Note:

1. 9 credit hours must be taken on the Bloomington campus.
2. At least 9 credit hours must be at the 300–400 level.
3. With pre-approval of the Director of Undergraduate Studies, students may replace one of the non-logic courses with an appropriate aesthetics-related

course from another department or school. Such courses may include but are not limited to MUS-Z 415, MUS-T 418, SPEA-A 459, or CMLT-C 347. See the Director of Undergraduate Studies for a comprehensive list of suggested courses.

## Minor in Philosophy of Mind and Cognition

### Required Courses

Students must complete a minimum of 16 credit hours of course work, including:

1. PHIL-P 360 and COGS-Q 240.
2. One course chosen from P250, P251, P352.
3. Two courses chosen from P211, P310, P312, P320, P366.

### Note:

1. 9 credit hours must be taken on the Bloomington campus.
2. At least 9 credit hours must be at the 300–400 level.
3. Students pursuing the major in Cognitive Science with a concentration in “Foundations” or “Logic” should not pursue this minor due to significant course overlap.

## Course Descriptions

### Introductory Courses

#### PHIL-P 100 Introduction to Philosophy (3 cr.) CASE A&H

Perennial problems of philosophy, including problems in ethics, in epistemology and metaphysics, and in philosophy of religion. Major emphases for each section appear in the online *Schedule of Classes*. I Sem., II Sem., SS.

**PHIL-P 103 Gender, Sexuality, and Race in Philosophical Perspectives (3 cr.) CASE A&H** New issues and emphases in philosophy arising out of a focus on gender, sexuality, and race. One basic issue is the nature of a person and definitions of “human being.” Another issue is the assumptions underlying current discussions in personal identity, feminism, race relations, and ethics.

**PHIL-P 105 Thinking and Reasoning (3 cr.) CASE A&H** Basic rules of correct reasoning; roles of definitions and of language in thinking; roles of observation, hypothesis, and theory in knowledge; basic techniques for gathering information, testing beliefs for truth, and problem solving.

**PHIL-P 135 Introduction to Existentialism (3 cr.) CASE A&H** Philosophical themes in nineteenth- and twentieth-century existentialism. Topics may include free choice and human responsibility, the nature of values, the influence of phenomenology on existentialism, and existentialism as illustrated in literature. Readings from some or all of Buber, Camus, Heidegger, Husserl, Jaspers, Kierkegaard, Marcel, Nietzsche, Beauvoir, and Sartre. No prior knowledge of philosophy is presupposed.

**PHIL-P 140 Introduction to Ethics (3 cr.) CASE A&H** Philosophers' answers to ethical problems (e.g., the nature of good and evil, the relation of duty to self-interest, the objectivity of moral judgments), and the applications of ethical theory to contemporary problems.

**PHIL-P 145 Introduction to Social and Political Philosophy (3 cr.) CASE A&H** Fundamental problems of social and political philosophy: the nature of the state, political obligation, freedom and liberty, equality, justice, rights, social change, revolution, and community. Readings from classical and contemporary sources.

#### PHIL-P 150 Elementary Logic (3 cr.) CASE A&H

Development of critical tools for the evaluation of arguments. Not a prerequisite for P250. Not open to students who have taken or are enrolled in P250. I Sem., II Sem., SS.

#### PHIL-P 240 Business and Morality (3 cr.) CASE A&H

Fundamental issues of moral philosophy in a business context. Application of moral theory to issues such as the ethics of investment, moral assessment of corporations, and duties of vocation.

#### PHIL-P 270 Introductory Topics in Philosophy (3 cr.) CASE A&H

Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

### Logic Courses

#### PHIL-P 250 Introductory Symbolic Logic (3 cr.) CASE N&M

Propositional logic and first-order quantificational logic. No credit for P150 if P250 taken first or concurrently. I Sem.

#### PHIL-P 251 Intermediate Symbolic Logic (3 cr.) CASE N&M

P: P250. Identity, definite descriptions, properties of formal theories, elementary set theory. II Sem.

#### PHIL-P 350 Logic of Sets (3 cr.)

P: P250. Elementary operations on sets, relations, functions, orderings, introduction to ordinal and cardinal numbers.

#### PHIL-P 352 Logic and Philosophy (3 cr.) CASE A&H

P: P150 or P250 or equivalent course. Relation of logic to other areas of philosophy. Selected topics from among the following: logic and ontology; logic and language; logic, reasoning, and belief; intentionality and intentional logic; tense and modal logic and the nature of time and necessity; individuation and reference; relative vs. absolute identity.

### History of Philosophy

The courses P201, P211, P301, and P304 are the department's “core sequence” in the history of Western philosophy. P201 and P211 cover the two most important periods in that history, while P301 and P304 offer further study of other important periods. The courses may be taken in any order, but the department recommends that P201 and P211 be taken sequentially before either P301 or P304.

#### PHIL-P 201 Ancient Greek Philosophy (3 cr.) CASE A&H, CASE GCC

R: 3 credit hours of philosophy. Selective survey of ancient Greek philosophy (pre-Socratics, Plato, Aristotle). I Sem.

#### PHIL-P 205 Modern Jewish Philosophy (3 cr.) CASE A&H, CASE GCC

A survey and critical analysis of modern Jewish philosophers and thinkers such as Mendelssohn, Cohen, Rosenzweig, Buber, and Fackenheim. Topics: concepts of God; the nature of religion; autonomy and revealed morality; God and history; theodicy and the Holocaust; empiricists and analytic criticism of divine

human encounter; Jewish philosophy and modern philosophy.

**PHIL-P 211 Modern Philosophy: Descartes through Kant (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Selective survey of seventeenth- and eighteenth-century philosophy, including some or all of the following: Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant.

**PHIL-P 301 Medieval Philosophy (3 cr.) CASE A&H, CASE GCC** P: 3 credit hours of philosophy. A selective survey of Western philosophy from the turn of the Christian era to the end of the Middle Ages. Readings from some or all of Augustine, Boethius, Anselm, Abelard, Bonaventure, Aquinas, Duns Scotus, and Ockham.

**PHIL-P 304 Nineteenth-Century Philosophy (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Selective survey of post-Kantian philosophy. Readings from some or all of Hegel, Marx, Kierkegaard, Mill, and Nietzsche.

**PHIL-P 305 Topics in the Philosophy of Judaism (3 cr.) CASE A&H, CASE GCC** P: 3 credit hours of philosophy. Comparative analysis of two or more Jewish philosophers; or selected topics in the philosophical treatment of contemporary Jewish experience; or topics in the history of Jewish philosophy. May be repeated once with different topic.

**PHIL-P 319 American Pragmatism (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Examination of the central doctrines of Peirce, James, Dewey, Mead.

**PHIL-P 328 Philosophies of India (3 cr.) CASE A&H, CASE GCC** Historical and critical-analytic survey of the major traditions of Indian philosophy. Attention to early philosophizing and the emergence of the classical schools in Hindu, Buddhist, and Jain traditions. Attention also to contemporary thought in India including critical theory and subaltern theorizing. Credit not given for both PHIL P328 and REL R368.

**PHIL-P 330 Marxist Philosophy (3 cr.) CASE A&H** P: 3 credit hours of philosophy. An examination of major philosophical issues in the light of Marxist theory. Historical materialism and the critique of idealism in metaphysics, the theory of knowledge, ethics, and social science. Discussion of both classical and contemporary sources.

**PHIL-P 335 Phenomenology and Existentialism (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Selective survey of central themes in nineteenth- and twentieth-century phenomenology and existentialism. Readings from some or all of Buber, Camus, Heidegger, Husserl, Jaspers, Kierkegaard, Marcel, Nietzsche, Beauvoir, and Sartre.

**PHIL-P 374 Early Chinese Philosophy (3 cr.) CASE A&H, CASE GCC** Origins of Chinese philosophical traditions in the classical schools of Confucianism, Taoism, Mohism, and Legalism. Explores contrasting agendas of early Chinese and Western traditions. Credit given for only one of P374, EALC E374, REL B374, or REL R368.

#### Ethics and Value Theory

**PHIL-P 242 Applied Ethics (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Application of moral theory to

a variety of personal, social, and political contexts, such as world hunger, nuclear weapons, social justice, life-and-death decisions, and problems in medical ethics.

**PHIL-P 246 Introduction to Philosophy and Art (3 cr.) CASE A&H** Introduction to the philosophical study of art and the relationship between art and philosophy. Topics include the nature of a work of art, the role of emotions in art, the interpretation and appreciation of art, and the way philosophy is expressed in art.

**PHIL-P 332 Feminism and Value (3 cr.) CASE A&H** P: 3 credit hours in philosophy. Selected topics from recent feminist philosophy, including the reassessment of classical philosophical texts, the construction of gender, perspectives on the good life, and the relation of private and public spheres.

**PHIL-P 340 Classics in Ethics (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Readings from Plato and Aristotle to Kant, Mill, and Nietzsche. Topics include virtue and human nature, pleasure and the good, the role of reason in ethics, the objectivity of moral principles, and the relation of religion to ethics.

**PHIL-P 342 Problems of Ethics (3 cr.) CASE A&H** P: 3 credit hours of philosophy. May concentrate on a single large problem (e.g., whether utilitarianism is an adequate ethical theory), or several more or less independent problems (e.g., the nature of goodness, the relation of good to ought, the objectivity of moral judgments).

**PHIL-P 343 Classics in Social and Political Philosophy (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Readings from Plato and Aristotle to Hobbes, Locke, Hegel, and Marx. Topics include the ideal state, the nature and proper ends of the state, natural law and natural right, social contract theory, and the notion of community.

**PHIL-P 345 Problems in Social and Political Philosophy (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Problems of contemporary relevance: civil disobedience, participatory democracy, conscience and authority, law and morality.

**PHIL-P 346 Classics in Philosophy of Art (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Readings from Plato and Aristotle to Nietzsche and Dewey. Topics include the definition of art, the nature of beauty, and art and society.

**PHIL-P 347 Contemporary Controversies in Philosophy of Art (3 cr.) CASE A&H** P: 3 credit hours in philosophy. Topics include the intersection of art, art criticism, philosophy, modernism and post-modernism, and the relation of aesthetic and cognitive judgment.

**PHIL-P 375 Philosophy of Law (3 cr.) CASE A&H** P: 3 credit hours of philosophy. Selective survey of philosophical problems concerning law and the legal system. Topics include nature and validity of law, morality and law, legal obligation, judicial decision, rights, justice, responsibility, and punishment.

**PHIL-P 393 Biomedical Ethics (3 cr.)** A philosophical consideration of ethical problems that arise in current biomedical practice, e.g., with regard to abortion, euthanasia, determination of death, consent to treatment, and professional responsibilities in connection with research, experimentation, and health care delivery.

### **Epistemology and Metaphysics**

**PHIL-P 310 Topics in Metaphysics (3 cr.) CASE A&H**  
 P: 3 credit hours of philosophy. Topics such as existence, individuation, contingency, universals and particulars, causality, determinism, space, time, events and change, relation of mental and physical.

### **PHIL-P 312 Topics in the Theory of Knowledge (3 cr.)**

**CASE A&H** P: 3 credit hours of philosophy. Topics such as various theories of perceptual realism, sense-datum theories, theories of appearing, phenomenism, the nature of knowledge, the relation between knowledge and belief, relation between knowledge and evidence, and the problem of skepticism.

### **PHIL-P 320 Philosophy of Language (3 cr.) CASE A&H**

P: P250 and at least one other course in philosophy, or permission of instructor. A study of selected philosophical problems concerning language and their bearing on traditional problems in philosophy.

### **PHIL-P 360 Introduction to Philosophy of Mind (3 cr.)**

**CASE A&H** P: 3 credit hours of philosophy. Selected topics from among the following: the nature of mental phenomena (e.g., thinking, volition, perception, emotion); the mind-body problem (e.g., dualism, behaviorism, functionalism); connections to cognitive science issues in psychology, linguistics, and artificial intelligence; computational theories of mind.

### **PHIL-P 366 Philosophy of Action (3 cr.) CASE A&H**

P: 3 credit hours of philosophy. The nature of human and rational action: the structure of intentions and practical consciousness; the role of the self in action; volitions; the connections of desires, needs, and purposes to intentions and doings; causation and motivation; freedom; the structure of deliberation; rational actions and duties, whether moral or institutional.

### **Special Courses**

**PHIL-P 348 Philosophy and Literature (3 cr.) CASE A&H** A study of philosophical issues raised by and in literature. Special emphasis on reading works of literature as texts of philosophical interest.

### **PHIL-P 370 Topics in Philosophy (3 cr.) CASE A&H**

P: 3 credit hours of philosophy. A survey of selected topics or figures in an area of philosophy (areas vary). May be repeated with different topics for a maximum of 6 credit hours.

### **PHIL-P 371 Philosophy of Religion (3 cr.) CASE A&H**

P: 3 credit hours of philosophy. Topics such as the nature of religion, religious experience, the status of claims of religious knowledge, the nature and existence of God.

### **PHIL-P 401 History of Philosophy: Special Topics (3 cr.) CASE A&H**

P: 6 credit hours of philosophy or consent of instructor. Special topics, such as developing views on one or more of the following subjects: substance, nature, essence, dialectics. May be repeated once with a different topic.

### **PHIL-P 470 Special Topics in Philosophy (3 cr.) CASE A&H**

P: 6 credit hours of philosophy. Advanced study of a topic (or cluster of related topics) in an area of philosophy. May be repeated with a different topic for a maximum of 6 credit hours.

**PHIL-P 490 Readings in Philosophy (1-3 cr.)** P: Consent of instructor. R: 9 credit hours philosophy. Intensive study of selected authors, topics, and problems.

### **PHIL-P 497 Internship in Philosophy (1-3 cr.)**

P: Approval of major department. Designed to provide academic credit for paper or other project done for supervisor of the intern in a given semester. The student will also be assisting in some course(s) in this department. Does not count toward the major in philosophy. May not be repeated.

### **Honors Courses**

**PHIL-P 498 Senior Seminar (4 cr.)** P: Approval of departmental honors committee. Special topics.

**PHIL-P 499 Honors Thesis (3-6 cr.)** P: Approval of departmental honors committee.

## **Physics**

### **Introduction**

The Department of Physics (PHYS) offers programs leading to the B.A. degree and the B.S. degree and a wide variety of courses for non-physics majors. Courses offered by the department are listed in three categories: courses for non-science majors, courses for science majors, and courses for physics majors.

### **Contact Information**

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 Indiana University  
 Swain Hall West, Room 117  
 Bloomington, IN 47405

(812) 855-1247  
[gradphys@indiana.edu](mailto:gradphys@indiana.edu)

<http://www.indiana.edu/~iubphys/>

## **Faculty**

### **Chairperson**

- [Rob de Ruyter](#)

### **Professors**

- [David Baxter](#)
- [Mike Berger](#)
- [Rob de Ruyter](#)
- [Harold Evans](#)
- [Herbert Fertig](#)
- [James Glazier](#)
- [Steve Gottlieb](#)
- [Charles Horowitz](#)
- [Jorge José](#)
- [Alan Kostecky](#)
- [S. Y. Lee](#)
- [J. Timothy Londergan](#)
- [Mark Messier](#)
- [James Musser](#)
- [Gerardo Ortiz](#)
- [Roger Pynn](#)
- [William Snow](#)
- [Paul Sokol](#)
- [Adam Szczeplaniak](#)

- [Rex Tayloe](#)
- [Jon Urheim](#)
- [Richard Van Kooten](#)
- [Scott Wissink](#)

#### **Associate Professors**

- [John Beggs](#)
- [John Carini](#)
- [Radovan Dermisek](#)
- [Chen-Yu Liu](#)
- [Sima Setayeshgar](#)
- [Matthew Shepherd](#)

#### **Assistant Professors**

- [Lisa Kaufman](#)
- [Sabine Lammers](#)
- [Jinfeng Liao](#)
- [Josh Long](#)
- [Babak Seradjeh](#)
- [Louis Strigari](#)
- [Shixiong Zhang](#)

#### **Academic Advising**

- Carlin C. Schrag, Swain West 244, (812) 855-2391

## **Major in Physics—B.A.**

#### **Required Courses**

To complete the concentration requirements, students must complete the following:

1. At least 30 credit hours in physics (graded C– or higher) and a minimum GPA in the major of 2.000. These credit hours must include P201-P202 or P221-P222, and P301.
2. Mathematics M211 (or S211 or M215), M212 (or S212 or M216), and M343.

Students must also complete the general requirements for the B.A. degree in the College of Arts and Sciences.

#### **Recommendations**

Physics P309, P331, P340, P441, and P332 or P460 are recommended.

## **Major in Physics—B.S.**

#### **Required Courses**

Students must complete the following requirements:

1. Writing, same as B.A. degree (English Composition and Intensive Writing).
2. Mathematics, major fulfills requirement.
3. Foreign language, 3 credit hours at or above the second-year level (or equivalent proficiency) in one language. French, German, or Russian is recommended for students who wish to pursue a graduate degree.
4. Arts and humanities, two courses for 6 credit hours minimum.
5. Social and historical studies, two courses for 6 credit hours minimum.
6. Natural and mathematical sciences: must include one Natural Science course in fulfillment of the General Education curriculum, which can be combined with the math foundation courses required by the major.

7. One Critical Approaches course.
8. One Public Oral Communication course.

Culture courses are not required, but two courses are recommended as electives or to satisfy the Breadth of Inquiry requirement.

Students must also complete the major requirements for Program I or Program II .

## **Program I: Physics**

#### **Required Courses**

Students must complete the following course work with a minimum grade of C– in each course and a minimum grade point average of C (2.000) in the courses overall:

1. At least 35 credit hours of physics, including P221, P222, and P301; upper-level lecture courses P331, P441, and P453; and laboratory courses P309 and P451. P201-P202 may be substituted for P221-P222 with permission from the physics advisor. P460 may be substituted for P451 with permission from the physics advisor.
2. At least 20 credit hours in mathematics and computer science, including M211 (or S211 or M215), M212 (or S212 or M216), M311, and M343 (or honors equivalents).
3. 9 credit hours in biological and physical sciences, outside of the Departments of Physics, Mathematics, and Computer Science. At least 6 of the 9 credit hours must be in the same department.

Students must also complete the degree requirements of the College of Arts and Sciences.

#### **Recommendations**

The following courses are recommended:

1. Physics P332, P340, P442, and P454 for students planning to pursue a graduate degree in physics; alternative programs (such as those with more emphasis on electronics, optics, biophysics, or environmental physics) should be discussed with the physics advisor.
2. Mathematics M301 or M303, M344, M415, and M441. Physics P321 covers similar material to M312 but both are recommended.
3. Chemistry C117 and one of C118, R340, or C341 (or honors equivalents), preferably taken in the freshman or sophomore year. Alternative courses from the natural and physical sciences should be discussed with the physics advisor.

It is also recommended that students be fluent in at least one scientific programming language. Computer Science A201 and A202 may be appropriate for students with no prior programming experience.

## **Program II: Applied Physics**

#### **Required Courses**

Students must complete the following course work with a minimum grade of C– in each course and a minimum grade point average of C (2.000) in the courses overall:

1. At least 35 credit hours of physics, including P221, P222, and P301; upper-level lecture courses P331, P441; laboratory courses P309, P350, and one of P400, P451, or P460. It is recommended

- that students take two of the latter three courses. Students are strongly encouraged to take the honors sections of P221-P222. General Physics P201-P202 may be substituted for P221-P222 only with permission of the physics advisor.
2. At least 16 credit hours of mathematics, including M311, M312, and M343, or the honors equivalents. Physics P321 may be substituted for Mathematics M312.
  3. At least 4 credit hours in computer science, including A201 or both A304 and A306. C211 or H211 may be substituted only with permission of the physics advisor.
  4. At least 1 credit hour of internship with industry or at a national laboratory, S407. A second internship is highly recommended. These internships would normally take place during the summers between the sophomore and junior year (1 credit). Placement will be organized through the department in cooperation with the student and the student's faculty mentor.

### **Recommendations**

The following courses are recommended:

1. Physics P321, P332, P340, P410, P442, P453 for students planning to pursue a graduate degree in applied physics; alternative programs (such as those with more emphasis on electronics, optics, medical physics, biophysics, accelerator physics, or environmental physics) should be discussed with the physics advisor.
2. Mathematics M301 or M303, M415, M441.
3. Business courses chosen with the advice of the physics advisor for those students interested in entrepreneurial and management skills in scientific environments.
4. Alternative courses from the natural and physical sciences should be discussed with the physics advisor.

### **B.S. Physics/M.S. Medical Physics**

The Applied Physics alternative within the Physics program (Program II) emphasizes practical applications of physics in order to prepare students for high-tech physics jobs in industry and medicine. Some of these Applied Physics requirements can be fulfilled by taking courses also required for a Master's Degree in Medical Physics. By fulfilling requirements satisfying both programs, students can complete a Master's Degree in Medical Physics within as little as one additional year.

Students must apply for and earn admittance to the University Graduate School and the Master of Science in Medical Physics program after completing at least 90 credit hours of the Applied Physics undergraduate track (generally during the fall semester of their senior year).

The B.S. degree will be conferred upon successful completion of the Applied Physics program (Program II) requirements. The student must also successfully complete (passed with a grade of B or above) 40 credit hours of graduate work, at least 18 credit hours of which must be Physics courses numbered 501 or above (not included are reading, seminar and research courses) and must satisfy all other requirements for that degree to receive the M.S.

### **B.S. Physics/M.S. Secondary Education**

In an effort to address the shortage of Indiana high school teachers in certain subjects, the College, in conjunction with the IU School of Education, offers an accelerated five-year program in which students can obtain a B.S. in Physics and an M.S. in Secondary Education and also complete all requirements for State licensure in Secondary Education. Under this program, students complete all of the course work required for the Physics concentration (B.S.) by their eighth semester at IU. Continuing in the summer after their fourth year and then in a fifth year of study, students complete all of the requirements for the M.S. in Secondary Education with licensure.

Students must apply and earn admittance to the School of Education's [Secondary Transition to Teaching](#) and the Master of Science in Education programs during the fall semester of their senior year. After they have completed a minimum of 90 credit hours in the College of Arts and Sciences and satisfied the Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, and major concentration requirements for the B.S. in Physics, students may apply up to 30 credit hours earned in the School of Education as College electives. The requirements for the B.S. in Physics must be completed before student teaching begins in the final spring semester of the five-year program. The two degrees (B.S. in Physics and M.S. in Secondary Education) are awarded simultaneously.

Students considering this program should seek advising from both the Department of Physics and the School of Education. Also, students are advised to check on the effect that the transition to graduate status may have on existing undergraduate funding.

### **Minor in Physics**

#### **Required Courses**

Students must complete:

1. One of the two 10 credit introductory course sequences, P201-P202 or P221-P222.
2. A modern physics course, to be chosen from P301 or P453.
3. A laboratory course, to be chosen from P309, P451, or P460.
4. Another 3 credit physics course above the level of P301.
5. At least 9 credit hours of physics course work at the 300–400 level.

### **Departmental Honors Program**

The honors program provides well-qualified students with an exceptionally strong foundation in physics, both by encouraging excellence in course work and recognizing the importance of early participation in research. It is strongly recommended that students intending to enroll in graduate school pursue this option.

The key component of the honors program is involvement of the student in an independent research project, typically carried out under the supervision of a faculty member. This work must culminate in the writing of an honors thesis (S409) before the end of the senior year. An oral presentation describing the work would also be expected.

For more detailed guidelines, see the "Honors" section of the departmental Web pages.

In addition to fulfilling the requirements associated with the B.S. degree, students in the honors program would also be expected to complete most of the course work listed under "Recommendations" for this degree; in particular, at least two of the three courses P332, P442, and P454 must be completed. To graduate with honors, students should maintain a minimum grade point average of 3.500 in all physics course work. Further information regarding this program may be obtained from the department.

## Course Descriptions

### Courses for Non-Science Majors

These courses are intended for students majoring in the humanities, social sciences, business, music, and education. Little or no background in science is assumed. Mathematics at the level of one year of high school algebra is used. These courses are not open to physics majors. No credit is given in these courses for students who have previously passed P201-P202 or P221-P222.

**PHYS-P 101 Physics in the Modern World (4 cr.) CASE N&M** Three lectures and one two-hour laboratory period each week. Includes elements of classical physics and the ideas, language, and impact of physics today. No credit in this course for students who have already passed P201-P202 or P221-P222.

**PHYS-P 105 Basic Physics of Sound (3-4 cr.) CASE N&M** Physical principles involved in the description, generation, and reproduction of sound. Topics include physics of vibrations and waves, propagation, Fourier decomposition of complex wave forms, harmonic spectra, standing waves and resonance, sound loudness and decibels, room acoustics, analog/digital recording/reproduction. For interested students, P109 is an optional companion laboratory course.

**PHYS-P 108 Audio Technology Acoustics Laboratory (2 cr.) CASE N&M** P or C: P105 or consent of instructor. For audio technology and telecommunications majors. Provides in-depth investigation of vibrating systems, wave phenomena, interference, complex wave synthesis, analysis, resonance, transducers. Study of analog, digital electronic circuits, amplifiers, oscillators, band pass filters, digital sound. Provides instrumentation experience, oscilloscopes, function generators, spectrum analyses. Credit given for only one of P108 or P109.

**PHYS-P 109 Introductory Acoustics Laboratory (2 cr.)** P or C: P105 or SPHS S302 or consent of instructor. Laboratory experiments investigating properties of vibrating systems and waves, standing waves and resonances, filtering, analysis and synthesis of complex sounds, formants and speech recognition, and transducers for sound. Credit given for only one of P108 or P109.

**PHYS-P 110 Energy (2 cr.)** A scientific approach is used to examine various aspects of energy consumption, including demand, fuel supplies, environmental impact, and alternative fuel sources. Credit given for only one of P110 or P120.

**PHYS-P 111 Physics of Extraterrestrial Life and Death (3 cr.) CASE N&M** Physical basis of search for

extraterrestrial life. Origin of Universe, solar system, life, and man. Comets, asteroids, and impact of Shoemaker Levy-9 with Jupiter. Probable cause of death of dinosaurs, exploration of Mars and Europa. Discovery of extrasolar planets. Radio searches for extraterrestrial intelligence.

**PHYS-P 120 Energy and Technology (3 cr.) CASE N&M** Provides physical basis for understanding the interaction of technology and society, and for solution of problems, such as energy use and the direction of technological change. Credit given for only one of P120 or P110.

**PHYS-P 125 Energy in the Twenty-first Century (3 cr.) CASE N&M** Examination of how physical science applies to our present sources and uses of energy, our alternatives to fossil fuels, and how to plan for long-term future energy needs.

**PHYS-P 150 How Things Work (3 cr.) CASE N&M** An exploration of the physics involved in our technology; the course introduces ideas from physics needed to understand the function of a selection of modern devices and systems.

**PHYS-P 151 Twenty-first-century Physics (3 cr.) CASE N&M** An introductory class to the concepts of modern physics, especially relativity and the quantum world, and their use in much of our new technology. Medical, electronic, and energy applications will be discussed. Will not fulfill science requirement for education majors.

**PHYS-P 199 Physical Science through Inquiry (3 cr.) CASE N&M** Fulfills the physical science requirement for elementary education majors; recommended for students interested in elementary and middle school science education. Topics introduced include sound, scale models, balance, forces, simple machines, mobiles, states of matter, light, color, the eye and vision, electricity, magnetism, and motion.

**PHYS-P 211 Global Energy Problems: Technological Options and Policy Choices (3 cr.) CASE N&M** The science of energy; energy resources and uses; conservation; the health and environmental effects of energy conversion. Existing energy policy and its consequences; a comparative look at energy policy; the principles and practice of sound energy management and policy.

### Courses for Science Majors

These courses are primarily intended for students majoring in the biological, mathematical, and physical sciences; however, students are urged to also consider the courses listed under "Courses for Physics Majors." With the exception of P309 and P310, the courses listed here are not recommended for physics majors.

**PHYS-P 201 General Physics I (5 cr.) CASE N&M** P: MATH M026 or high school equivalent. Newtonian mechanics, oscillations, and waves. Bulk properties of matter and thermodynamics at the discretion of the instructor. Applications of physical principles to related scientific disciplines, including life sciences. Three lectures, one discussion, and one two-hour laboratory period each week. Credit may be obtained only for either P201 or P221. I Sem., II Sem., SS.

**PHYS-P 202 General Physics II (5 cr.) CASE N&M** P: P201 or high school equivalent. Electricity and magnetism, physical optics. Geometrical optics and

modern physics at the discretion of the instructor. Applications of physical principles to related scientific disciplines, including the life sciences. Three lectures, one discussion section, and one two-hour laboratory period each week. Credit may be obtained only for either P202 or P222. I Sem., II Sem., SS.

**PHYS-P 309 Modern Physics Laboratory (3 cr.)** P or C: P 301. Fundamental experiments in physics with emphasis on modern physics. The course aims to develop basic laboratory skills and data analysis techniques.

**PHYS-P 310 Environmental Physics (3 cr.) CASE N&M** P: P201 or P221 and MATH M211 or M215; or consent of instructor. For biological and physical science majors. Relationship of physics to current environmental problems. Energy production, comparison of sources and byproducts; nature of and possible solutions to problems of noise, particulate matter in atmosphere. I Sem.

**PHYS-P 314 Introduction to Medical Physics (3 cr.) CASE N&M** P: P201 or P221, or consent of instructor. R: P202 or P222. For biological and physical science majors. Applications of physics to the diagnosis, treatment, and prevention of human disease: diagnostic imaging, radiation therapy, radiation protection; radiation detection, dosimetry, exposure, instrumentation, cavity theory, non-ionizing radiation imaging, radiation biology, radiation oncology techniques, cancer biology, medical imaging technologies. Preferred for Physics majors: P371 (and P472).

**PHYS-P 317 Signals and Information Processing in Living Systems (3 cr.)** P: P201 and P202 or P221 and P222; MATH M119 and M120 or M211 or M215. Introduction to quantitative methods for life sciences, emphasizing how living systems process information. Topics include noise in sensory signals; consequences for sensory processing; uncertainty and decision making; neural networks, excitable waves in neurons and muscle; stability/instability; models of development and morphogenesis. Open to students in the physical or life sciences.

#### Courses for Physics Majors

These courses are recommended for physics majors and those students who desire a strong background in physics. Prospective physics majors are strongly encouraged to consult with the physics department undergraduate advisor, to start the P221-P222 sequence in their freshman year, and to strongly consider enrolling in the honors section of P221-P222.

**PHYS-P 221 Physics I (5 cr.) CASE N&M** C: MATH M211 or consent of instructor. First semester of a three-semester, calculus-based sequence intended for science majors. Newtonian mechanics, oscillations and waves, heat and thermodynamics. Three lectures, two discussion sections, and one 2-hour lab each week. Physics majors are encouraged to take P221 in the fall semester of the freshman year. Credit not given for both P201 and P221. I Sem., II Sem.

**PHYS-P 222 Physics II (5 cr.) CASE N&M** P: P221. C: MATH M212 or consent of instructor. Second semester of a three-semester, calculus-based sequence intended for science majors. Primarily electricity, magnetism, and geometrical and physical optics. Three lectures, two discussion sections, and one 2-hour lab each week.

Physics majors are encouraged to take P222 in the spring semester of the freshman year. Credit not given for both P202 and P222. I Sem., II Sem.

**PHYS-P 301 Physics III (3 cr.) CASE N&M** P: P222 (or P202 with consent of instructor). Third semester of a three-semester, calculus-based sequence. Special theory of relativity; introduction to quantum physics; atomic, nuclear, condensed matter, and elementary particle physics. Intended for science and mathematics majors. Three lecture-discussion periods each week. Credit may be obtained only for either P300 or P301. I Sem., II Sem.

**PHYS-P 309 Modern Physics Laboratory (3 cr.)** P or C: P 301. Fundamental experiments in physics with emphasis on modern physics. The course aims to develop basic laboratory skills and data analysis techniques.

**PHYS-P 310 Environmental Physics (3 cr.) CASE N&M** P: P201 or P221 and MATH M211; or consent of instructor. For biological and physical science majors. Relationship of physics to current environmental problems. Energy production, comparison of sources and byproducts; nature of and possible solutions to problems of noise, particularly matter in atmosphere.

**PHYS-P 318 Scattering Methods in Materials Science (3 cr.)** P: P222, or P202 and consent of instructor. Introduction to neutron and X-ray scattering techniques used in materials physics. Basic scattering theory; structural measurements of ordered, disordered, and nano materials; stress and strain measurements; imaging; inelastic neutron and X-ray scattering; EXAFS and NEXAFS; polarized neutrons and X-rays; proposal writing.

**PHYS-P 321 Techniques in Theoretical Physics (3 cr.) CASE N&M** P or C: P301. Particle motion in one, two, and three dimensions in the presence of forces; construction of forces from fields, and relationships between fields and sources; energies and potentials; complex oscillations and circuit analysis; classical and quantum mechanical waves and probabilities.

**PHYS-P 331 Theory of Electricity and Magnetism I (3 cr.) CASE N&M** P: P202 or P222 and MATH M312 (for scientists), or consent of instructor. Electrostatic fields and differential operators, Laplace and Poisson equations, dielectric materials, steady currents, power and energy, induction, magnetic fields, scalar and vector potentials, Maxwell's equations. I Sem.

**PHYS-P 332 Theory of Electricity and Magnetism II (3 cr.) CASE N&M** P: P331 or consent of instructor. Magnetic materials, wave equations and radiation, energy transfer and conversion. Pointing vector and momentum, retarded potentials, dipole radiation, transmission lines and wave guides, relativity. II Sem.

**PHYS-P 340 Thermodynamics and Statistical Mechanics (3 cr.) CASE N&M** P: P202 or P222; MATH M311 concurrently. Intermediate course, covering three laws of thermodynamics, classical and quantum statistical mechanics, and some applications.

**PHYS-P 350 Applied Physics Instrumentation Laboratory (3 cr.) CASE N&M** P: P221-P222 (or P201-P202 with permission of the instructor). C: P309. Instrumentation, data acquisition, and control for research, development, industrial applications depending upon coordination of electrical sensors, instruments, personal

computers, and software. Covers the essentials of electronic signal measurements, transducers, computer control of instruments, design of automated measurement and control algorithms, real-time data analysis and instrument calibration.

**PHYS-P 371 Radiation Science Fundamentals (3 cr.)**

P: P221 and P222, or equivalent, or consent of instructor. R: P301. Introduces principles and concepts related to radioactive decay, interactions of ionizing radiation with matter, dosimetry and the human health effects of exposure to ionizing radiation; reviews fundamental concepts of atomic and sub-atomic processes, modern physics, Special Theory of Relativity, wave/particle duality and the Heisenberg Uncertainty Principle.

**PHYS-P 400 Analog and Digital Electronics (3 cr.)**

**CASE N&M** Practical electronics as would be encountered in a research laboratory or industrial setting. Both analog (filters, power supplies, transistors, amplifiers, op-amps, comparators, oscillators, transducers including the analysis of circuits using computer-aided techniques) and digital devices (storage elements, discrete gates, and programmable devices).

**PHYS-S 405 Readings in Physics (1-3 cr.)** P: Consent of instructor. Independent reading under supervision of faculty member. Study in depth of topic of interest to student, culminating in research paper. I Sem., II Sem.

**PHYS-S 406 Research Project (1-6 cr.)** P: Consent of instructor or supervisor. Research participation in group or independent project under the supervision of a faculty member in departmental research areas; or topic agreed upon between the student and supervisor. May be repeated with a different topic for a maximum of 6 credit hours.

**PHYS-S 407 Applied Physics Internship (1 cr.)**

P: Consent of instructor or supervisor. Internship in industry or national laboratory, arranged between the student, the student's faculty mentor, and an internship supervisor. S/F grading. May be repeated for a maximum of 6 credit hours.

**PHYS-P 408 Current Research in Physics (1 cr.)** A series of introductory talks by 15 different faculty members on the current research activities of the Department of Physics. For senior-level students. II Sem.

**PHYS-S 409 Applied Physics Thesis (1-4 cr.)** P: S407 and consent of instructor. Under the supervision of a faculty member, students prepare a written thesis that presents previous research work. May be repeated for a maximum of 4 credit hours.

**PHYS-P 410 Computing Applications in Physics (3 cr.) CASE N&M**

P: P301, and CSCI A201 or CSCI A304, or consent of instructor. Computing methods and techniques applied to a broad spectrum of physics problems. Emphasis on least-squares method and other curve-fitting techniques of nonlinear functions; Monte Carlo methods; data manipulation, including sorting, retrieval, and display.

**PHYS-P 411 Computing Applications in Physics II (3 cr.) CASE N&M**

P: P410 or equivalent or consent of instructor. Continuation of P410 including introduction to

stochastic modeling, statistical mechanics and quantum systems, improving code performance.

**PHYS-P 425 Introductory Biophysics (3 cr.) CASE N&M**

Overview of cellular components; basic structures of proteins, nucleotides, and biological membranes; solution physics of biological molecules; mechanics and motions of biopolymers; physical chemistry of binding affinity and kinetics; physics of transport and initial transduction; biophysical techniques such as microscopy and spectroscopy; mathematical modeling of biological systems; biophysics in the post-genome era, etc.

**PHYS-P 441 Analytical Mechanics I (3 cr.) CASE N&M**

P: P201-P202 or P221-P222. C: MATH M343. Elementary mechanics of particles and rigid bodies, treated by methods of calculus and differential equations. I Sem.

**PHYS-P 442 Analytical Mechanics II (3 cr.) CASE N&M**

P: P201-P202 or P221-P222. C: MATH M343. Elementary mechanics of particles and rigid bodies, treated by methods of calculus and differential equations. II Sem.

**PHYS-P 451 Experiments in Modern Physics I (3 cr.)**

P: P301 and P309, or equivalent. R: P453-P454 concurrently. Advanced laboratory for senior physics majors. Experimental investigations and selected topics in nuclear, atomic, and solid state physics.

**PHYS-P 453 Introduction to Quantum Mechanics (3 cr.) CASE N&M**

P: P301 and P331. R: P332 concurrently. The Schroedinger equation with applications to problems such as barrier transmission, harmonic oscillation, and the hydrogen atom. Discussion of orbital and spin angular momentum and identical particles. Introduction to perturbation theory. II Sem.

**PHYS-P 454 Modern Physics (4 cr.) CASE N&M**

P: P453 or equivalent. Structure of multielectron atoms. Experimental facts and theoretical models in solid state physics, nuclear physics, and elementary particle physics. I Sem.

**PHYS-P 455 Quantum Computing I (3 cr.)** P: MATH

M118, M211, and M303, or consent of instructor. Covers the interdisciplinary field of quantum information science and aims at senior undergraduate and graduate students majoring in computer science, physics, mathematics, philosophy, and chemistry. Quantum Information Science is the study of storing, processing, and communicating information using quantum systems. Cross-listed as MATH M455. Credit given for only one of P455 and MATH M455.

**PHYS-P 456 Quantum Computing II (3 cr.)** P: MATH

M118, M211, M303, and M455, or consent of instructor. Covers the interdisciplinary field of quantum information science and aims at senior undergraduate and graduate students majoring in computer science, physics, mathematics, philosophy, and chemistry. Quantum information science is the study of storing, processing, and communicating information using quantum systems. Cross-listed as MATH M456. Credit given for only one of P456 and MATH M456.

**PHYS-P 460 Modern Optics (3 cr.) CASE N&M**

P: P331 or consent of instructor. Physical optics and electromagnetic waves based on electromagnetic theory, wave equations; phase and group velocity; dispersion;

coherence; interference; diffraction; polarization of light and of electromagnetic radiation generally; wave guides; holography; masers and lasers; introduction to optical spectroscopy.

#### **PHYS-P 470 Introduction to Accelerator Physics**

**(3 cr.)** P: Approval of instructor. Overview of accelerator development and accelerator technologies. Principles of linear and circular accelerators, storage rings, colliders. Transverse phase space motion of a particle in an accelerator. Radio frequency acceleration and synchrotron light sources. Basics of free electron lasers. Spin dynamics in cyclic accelerators and storage rings.

#### **PHYS-P 472 Radiation Oncology Physics (3 cr.)**

P: PHYS-P371 or equivalent, or consent of instructor. Introduces the physical principles, equipment, processes, imaging guidance and clinical techniques involved in the treatment of cancer patients with external radiation beams and radioactive sources; energy deposition characteristics are described; treatment planning dose calculation algorithms and point dose calculations; international dosimetry protocols for radiation beam calibrations are covered in detail.

**PHYS-P 478 Radiation Biophysics (3 cr.)** P: PHYS-P371 or PHYS-P 301, or consent of instructor. Emphasis on the effects of ionizing radiation at the cellular/molecular, tissue, and organismal level. Topics include effects in tissue, DNA repair, chemical modifiers, the basis of radiotherapy, consequences of whole-body irradiation, and carcinogenesis. Especially relevant for students training in cancer biology, radiation oncology, radiology, public health, and medical physics.

## **Political and Civic Engagement**

### **Introduction**

The Political and Civic Engagement program (PACE) offers an interdisciplinary, 22-credit certificate program. It combines academic study with hands-on learning to provide students with an education in democratic citizenship. The PACE certificate prepares students to make a difference through active engagement in American political and civic life. Students learn to seek out various perspectives, engage in dialogue, analyze the effectiveness of policies, and take principled stands on vital public issues. They also explore the relationship between theory and practice, develop informed critiques of political and civic institutions, practice collective decision-making, work with those who hold opposing views, and devise effective solutions to public problems.

Through academic and co-curricular experiences, students learn how to engage in a wide range of political and civic activities: advocacy groups; nonprofit agencies; political campaigns; branches of local, state, and national government; community organizations; and the media. PACE prepares students to enter work in political and civic organizations right after graduation and to pursue post-graduate education in law, public policy, the media, and kindred fields. It also enhances the education of students headed toward careers in other areas such as health care or the arts who want to be engaged citizens.

Co-curricular activities are critical to PACE's goal of developing students' political and civic knowledge and skills. They range from formal lectures and panels to informal lunches with individuals with a wide variety of political and civic experiences. PACE students also engage in debates, election-watching parties, program retreats, blogs, roundtable discussions, and other activities designed to enhance their academic and experiential learning.

### **Contact Information**

Political and Civic Engagement  
Indiana University  
Ballantine Hall 132  
Bloomington, IN 47405

(812) 856-1747

[pace@indiana.edu](mailto:pace@indiana.edu)  
<http://pace.indiana.edu>

## **Faculty**

### **Director**

- **Sally Reahard Professor** Michael Grossberg (History, Maurer School of Law)

### **Associate Director**

- Joelene Bergonzi

### **Lecturers**

- Lisa Marie Napoli
- Carl Weinberg

### **Academic Advising and Internship Direction**

- Joelene Bergonzi, Ballantine Hall 132, (812) 856-1747

## **Admission**

The certificate may be added to a degree by following the application procedure at <http://pace.indiana.edu/program/apply.shtml>. Students should discuss the course sequencing with program staff early in their studies at IU.

To be considered for the program, a student must meet the following requirements:

1. An overall GPA of 2.700 or above;
2. Two PACE courses or electives (at least 4 credits) must have been taken or be in progress at the time of application, one of which must be the program's introductory course, PACE-C 250.
3. A meeting with the PACE Associate Director.
4. A brief application essay (no more than 500 words) explaining the student's interest in the program, including reflections on past political and civic engagement experiences and aspirations for future ones. This will be submitted with an online application;
5. The name and email address of an instructor who has supervised some academic work of the student and who agrees to be a reference for the application. When the online application is received, a PACE representative will contact the instructor to request an online recommendation.

Because of the sequential nature of the Certificate requirements, students are encouraged to apply to add the certificate as soon as possible. This allows them to complete the beginning courses and electives before the

internship, and all of these before the capstone course. Exceptions to this sequence will be considered based on examination of individual circumstances.

## Certificate in Political and Civic Engagement

### Required Courses

Students must complete at least 22 credit hours in the program. Requirements include the introductory course, the career course, the Issue Forum, a mentored internship experience, four electives, and the capstone seminar. See the advising guide at <http://pace.indiana.edu/program/advisingForm.pdf>.

A minimum grade of C– is required for courses to count in the certificate. A minimum of 9 credit hours must be taken in residence on the Bloomington campus.

1. PACE-C 250 Leadership and Public Policy (3 cr.) Recommended first course, required for application to add the certificate.
2. PACE-C 295 Citizenship and Careers (2 cr.) Departmental consent after meeting with the Associate Director. <http://pace.indiana.edu/about/contact.shtml>
3. PACE-C 400 Issues Forum (1 cr., may be repeated up to 3 cr.) Offered in the spring semester.
4. Electives (12 cr.) May be taken before adding the certificate. At least 6 credit hours must be at the 300–400 level. No more than 6 credit hours may be taken from one department (for instance, “POLS” or “CMCL” or “SPEA”). See the current list on the website and contact the program for approved offerings. Contact the academic advisor with questions about possible substitutions.
5. Internship (1–6 cr.) Introduced in C295. Consult with the internship director to prepare.
6. Capstone seminar (3 cr.) Requires departmental consent after all other requirements for the certificate are completed.
7. At least 9 credit hours of course work must be completed at the 300–400 level.

### Electives

\* Variable topic classes must be approved by the PACE Advisor.

+ College of Arts and Sciences students may count up to 20 credit hours of appropriate courses from outside the College of Arts and Sciences toward the minimum of 120 credit hours required for graduation.

Also see course offerings that count for PACE listed by semester at [pace.indiana.edu/courses\\_that\\_count.shtml](http://pace.indiana.edu/courses_that_count.shtml).

- AAAD-A 205 Black Electoral Politics **CASE S&H**
- AAAD-A 408 Race, Gender and Class in Cross-Cultural Perspectives **CASE S&H, CASE DUS**
- AAAD-A 415 The Political Impact of Black Religion **CASE S&H**
- AAAD-A 420 Transforming Divided Communities and Societies **CASE S&H, CASE GCC**
- AAAD-A 481 Racism and the Law **CASE S&H**
- AMST-A 201 U.S. Movements and Institutions\* **CASE S&H**
- BUS-G 406 Business Enterprise and Public Policy+ **CASE S&H**
- BUS-L 250 Law and the Arts+

- BUS-L 302 Sustainability Law and Policy+ **CASE S&H**
- BUS-L 409 Law and the Environment+ **CASE S&H**
- BUS-Z 404 Effective Negotiations (P: BUS-Z 302)+ **CASE S&H**
- BUS-Z 447 Leadership, Teamwork, and Diversity (P: BUS-Z 302)+ **CASE S&H**
- CJUS-P 314 Law and Social Science **CASE S&H**
- CJUS-P 340 Law and Society: The Cross-Cultural Perspective **CASE S&H**
- CJUS-P 370 Criminal Law **CASE S&H**
- CJUS-P 375 American Juvenile Justice System **CASE S&H**
- CLLC-L 120 Collins Seminar: Politics, Identity, and Resistance\* **CASE S&H**
- CLLC-L 320 Collins Symposium\* (Approved topic: Pain, Death, and the Law) **CASE S&H**
- CMCL-C 222 Democratic Deliberation **CASE A&H**
- CMCL-C 228 Argumentation and Public Advocacy **CASE A&H**
- CMCL-C 304 Communication and Social Conflict **CASE A&H**
- CMCL-C 308 Democratic Dissent in Wartime **CASE A&H**
- CMCL-C 339 Freedom of Speech **CASE A&H**
- CMCL-C 340 The Rhetoric of Social Movements **CASE A&H**
- CMCL-C 342 Rhetoric and Race
- CMCL-C 346 Ethnicity, Class, and the Model U.S. Citizen
- CMCL-C 406 The Study of Public Advocacy
- CMCL-C 417 Power and Violence: Political Systems in Ethnographic Perspective **CASE S&H**
- CMCL-C 427 Cross-Cultural Communication
- CMCL-C 445 Media, Culture, and Politics\*
- CMCL-C 446 Cultures of Democracy
- COLL-C 103 Critical Approaches to the Arts and Humanities **CASE A&H, CASE CAPP** Approved topics only
- COLL-C 104 Critical Approaches to the Social and Historical Studies\* **CASE S&H, CASE CAPP** (Approved topics: The Mad and the Bad; The Death Penalty in America; Freedom of Speech)
- COLL-C 105 Critical Approaches to the Natural and Mathematical Sciences **CASE N&M, CASE CAPP** Approved topics only.
- COLL-P 155 Public Oral Communication **CASE POC**
- ENG-W 240 Community Service Writing
- HIST-A 222 Law in America **CASE S&H**
- HON-H 237 Law and Society **CASE S&H**
- HON-H 238 Politics and Communication **CASE S&H**
- INTL-I 204 Human Rights and International Law **CASE S&H**
- JOUR-J 375 Race, Gender, and the Media+ **CASE S&H**
- LSTU-L 203 Labor and the Political System+ **CASE S&H**
- LSTU-L 230 Labor and the Economy+ **CASE S&H**
- LSTU-L 385 Class, Race, Gender and Work+ **CASE S&H**
- PACE-C 300 Issues in PACE
- PHIL-P 145 Introduction to Social and Political Philosophy **CASE A&H**
- PHIL-P 375 Philosophy of Law (3 cr.) **CASE A&H**
- PHIL-P 393 Biomedical Ethics
- POLS-Y 100 American Political Controversies **CASE S&H**

- POLS-Y 103 Introduction to American Politics **CASE S&H**
- POLS-Y 202 Politics and Citizenship in the Information Age **CASE S&H**
- POLS-Y 212 Making Democracy Work **CASE A&H**
- POLS-Y 249 Religion, Politics, and Public Policy **CASE S&H**
- POLS-Y 301 Political Parties and Interest Groups **CASE S&H**
- POLS-Y 305 Constitutional Rights and Liberties **CASE S&H**
- POLS-Y 306 State Politics in the United States **CASE S&H**
- POLS-Y 307 Indiana State Government and Politics **CASE S&H**
- POLS-Y 308 Urban Politics **CASE S&H**
- POLS-Y 313 Environmental Policy **CASE S&H**
- POLS-Y 318 The American Presidency **CASE S&H**
- POLS-Y 319 The United States Congress **CASE S&H**
- POLS-Y 320 Judicial Politics **CASE S&H**
- POLS-Y 325 African American Politics **CASE S&H, CASE DUS**
- POLS-Y 326 American Social Welfare Policy **CASE S&H**
- POLS-Y 353 The Politics of Gender and Sexuality **CASE S&H, CASE GCC**
- POLS-Y 379 Ethics and Public Policy **CASE A&H**
- POLS-Y 383 Foundations of American Political Thought **CASE A&H**
- POLS-Y 384 Developments in American Political Thought **CASE A&H**
- POLS-Y 386 African American Political Thought **CASE A&H, CASE DUS**
- REL-C 220 American Religion and Politics **CASE S&H**
- REL-D 250 Religion, Ecology, and the Self **CASE A&H**
- REL-D 340 Religion and Bioethics **CASE A&H**
- REL-D 350 Religion, Ethics, and the Environment **CASE A&H**
- REL-R 170 Religion, Ethics, and Public Life **CASE A&H**
- SOC-S 215 Social Change **CASE S&H**
- SOC-S 217 Social Inequality **CASE S&H**
- SOC-S 311 Politics and Society **CASE S&H**
- SOC-S 312 Education and Society **CASE S&H**
- SOC-S 326 Law and Society **CASE S&H**
- SOC-S 335 Race and Ethnic Relations **CASE S&H, CASE DUS**
- SOC-S 359 Community Based Research **CASE S&H**
- SOC-S 360 Topics in Social Policy **CASE S&H**
- SPEA-V 160 National and International Policy+
- SPEA-V 161 Urban Problems and Solutions+
- SPEA-V 221 Nonprofit and Voluntary Sector+
- SPEA-V 264 Urban Structure and Policy+
- SPEA-V 362 Nonprofit Management and Leadership +
- SPEA-V 378 Policy Processes in the US+
- SPEA-V 405 Public Law and Legislative Processes+
- SPEA-V 406 Public Law and Electoral Processes+
- SPEA-V 435 Negotiation and Alternative Dispute Resolution+
- SPEA-V 450 Contemporary Issues in Public Affairs +\*
- SPEA-V 473 Management, Leadership and Policy+
- SWK-S 102 Understanding Diversity in Pluralistic Society+
- SWK-S 251 Emergence of Social Welfare Services+
- SWK-S 300 Selected Topics in Social Work\*+
- SWK-S 352 Social Welfare Delivery Systems+
- TEL-T 312 Politics and the Media **CASE S&H**
- TEL-T 414 Public Communication Campaigns **CASE S&H**
- TEL-T 424 Telecommunications and the Constitution **CASE S&H**

## Course Descriptions

### **PACE-C 250 Leadership and Public Policy (3 cr.)**

**CASE S&H** Interdisciplinary introduction to American public leadership and policy making. Explores theoretical and empirical work on American politics and civil society from the local community to the nation's capital. Introduces skills of effective political and civic engagement. Credit given for only one of C250 or C211.

**PACE-C 295 Citizenship and Careers (2 cr.)** P: Consent of program. PACE Program concepts and ideas applied to career and citizenship skill development. Provides perspectives on how PACE and other undergraduate course work can help students realize their long-term educational, career, and civic goals.

**PACE-C 300 Issues in Political and Civic Engagement (3 cr.)** Intensive study and analysis of selected political or civic engagement issues. Topics will vary and will be listed in the online *Schedule of Classes*. May be repeated with a different topic for a maximum of 6 credit hours.

**PACE-C 400 Issues Forum (1 cr.)** PACE leadership and decision-making activity structured as a day-long forum in which participants deliberate on a current controversial issue selected by PACE students. Includes preparation assignment and post-forum position paper and reflection. Student facilitators may enroll twice in one semester for their additional work and meetings. May be repeated for a maximum of 3 credit hours.

**PACE-C 410 Internship in Political and Civic Engagement (1-6 cr.)** P: Consent of program. Students will complete a mentored internship providing field experience in political and civic action, research, and/or decision making. Includes an orientation session before and a structured evaluation afterward. May be repeated for up to 6 credit hours.

**PACE-C 420 Readings and Research in Political and Civic Engagement (1-6 cr.)** P: Consent of faculty supervisor. Independent readings and research project under the supervision of an approved faculty mentor. May be repeated for a maximum of 6 credit hours.

**PACE-C 450 Capstone Seminar (3 cr.)** P: Consent of program. Required capstone seminar for students who have completed all other certificate requirements. Provides students with the opportunity to integrate academic study, experiential learning, and co-curricular activities, to demonstrate understanding of American

political and civic life, and to document individual learning and development.

## Political Science

### Introduction

Courses in the Department of Political Science (POLS) introduce students to fundamental issues in the political process, conditions that create the need for governments, structure and procedures of governments, control of governments and enforcement of responsibility, and relationships among governments. The department prepares students to assume the duties of citizenship; provides special knowledge and skills useful in public service, law, business, and other careers; and lays a foundation for the scholarly study of government and politics.

The department also has two interdepartmental majors: political science and economics, and political science and philosophy.

The department has a general minor in political science, a minor in international relations, a minor in world political systems, and one interdepartmental minor in political science and economics.

Requirements for these options are listed below.

### Contact Information

Department of Political Science  
Indiana University  
Woodburn Hall 210  
Bloomington, IN 47405-7110

(812) 855-6308  
[iupolsci@indiana.edu](mailto:iupolsci@indiana.edu)

<http://www.indiana.edu/~iupolsci/>

## Faculty

### Chairperson

- Professor Russell L. Hanson

### Warner O. Chapman Professor, Rudy Professor and Distinguished Professor

- Edward G. Carmines

### Donald A. Rogers Professor and Distinguished Professor

- William Thompson

### Rabindranath Tagore Professor of Indian Cultures and Civilizations

- Sumit Ganguly

### Rudy Professor

- Jeffrey C. Isaac

### Professors

- William Bianco
- Jack Bielasik
- Aurelian Craiu
- Russell L. Hanson
- Marjorie Hershey
- Gregory Kasza
- Michael McGinnis

- Karen Rasler
- Jean C. Robinson
- William Scheuerman
- Gerald Wright Jr.

### Associate Professors

- Eileen Braman
- Judith Failer
- Timothy Hellwig
- Scott Kennedy
- Lauren MacLean
- Armando Razo
- Abdulkader Sinno
- Dina Spechler
- Regina Smyth

### Assistant Professors

- Christopher DeSante
- Bernard Fraga
- Matthew Hayes
- Diana O'Brien
- William Winecoff

### Postdoctoral Fellow

- Julie Merseth (Center for Research on Race and Ethnicity in Society)

### Adjunct Faculty

- Jeannine Bell (Maurer School of Law)
- Gardner Bovingdon (Central Eurasian Studies)
- Jennifer Brass (School of Public and Environmental Affairs)
- Daniel Cole (Maurer School of Law)
- Luis Fuentes-Rohwer (Maurer School of Law)
- Beth Gazley (School of Public and Environmental Affairs)
- Heon Joo Jung (East Asian Languages and Cultures)
- James Perry (School of Public and Environmental Affairs)
- Evan Ringquist (School of Public and Environmental Affairs)
- Steve Sanders (Maurer School of Law)
- Lois Wise (School of Public and Environmental Affairs)

### Senior Lecturers

- Christine Barbour
- Jacek Dalecki

### Academic Advising

- MaryLou Hosek, Woodburn Hall 210, (812) 855-6308
- Lana Spendl, Woodburn Hall 210, (812) 855-6308

## Major in Political Science

### Required Courses

Students must complete 30 credit hours in political science, including:

- Y205. Recommended: up to 9 credit hours of Political Science course work before taking Y205.

2. At least 18 credit hours of 300- and 400-level political science courses, excluding X380, Y480, Y481, Y484, Y496, and Y499.
- At least one course in American politics or public policy, law, and administration (Y301–Y320, Y324–Y326, Y329, Y349, Y373, Y394)
  - At least one course in comparative politics or international relations (Y332–Y348, Y350–Y372, Y374–Y376, Y407).
  - At least one course in political theory and methodology (Y379, Y381–Y388, Y395, Y405, Y406)

3. One Y490 Senior Seminar.

No more than 6 credit hours of 100-level courses and 9 combined credit hours of Y200 and Y401 (courses with variable topics) may be included in the 30 credit hours.

**Note:** Y200 and Y401 may be repeated only once for credit.

Students must complete the degree requirements of the College of Arts and Sciences.

The department encourages students to consider internships, overseas study, and service learning as complements to their major in political science.

## Interdepartmental Major in Political Science and Economics

### Purpose

The interdepartmental major in economics and political science explores important issues arising in both the public and private sectors and provides students with the basic theoretical tools necessary to investigate these issues.

**Note:** Any economics course may be replaced by the honors equivalent. All ECON and non-ECON courses listed as required for this major must be completed with a minimum grade of C–.

### Requirements

Students must meet the following course requirements for a total of 42 credit hours in Political Science and Economics.

1. Mathematics requirements: Finite Mathematics M118 and either Calculus M119 or M211 (These courses do not count toward the 42 credit hours required for the major.)
2. At least 18 credit hours in economics to include the following: E201, E202, and E321; at least three additional economics courses (9 credit hours) at the 300 or 400 level, excluding E370, E496 and Y398. At least two of these three courses (6 credit hours) must be numbered above E321.
3. At least 18 credit hours in political science to include the following: one course chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405; another 15 credit hours in political science chosen from Y200, Y202, Y204, Y205, Y210, Y301–Y308, Y326, Y343, Y346, Y349, Y350, Y376, Y394, Y401, Y405, Y481, Y490, or Y499. (Y200 or Y401 may be repeated once for credit, for a maximum of 9

credit hours possible for these two courses. No other courses may be repeated for credit.)

4. Statistics requirement: ECON E370 or POLS Y395.

### Special Considerations

1. Students meeting requirements 1–4 above with a total of 39 credit hours will be allowed to use 3 credit hours toward the major from preapproved sections of COLL C104 (Critical Approaches to the Social and Historical Studies) courses. A list of preapproved sections of COLL C104 is available each semester in the Departments of Economics and Political Science.
2. No more than 6 credit hours of honors thesis credit (3 credit hours from Economics E499, and 3 credit hours from Political Science Y499) may be counted toward the major.
3. A maximum of 3 credit hours of Political Science Y484 (for teaching interns only) may be counted toward the major.
4. Students must also complete the degree requirements in the College of Arts and Sciences.

## Interdepartmental Major in Political Science and Philosophy

### Required Courses

Students must meet the following course requirements for a total of 42 credit hours in political science and economics. At least 18 credit hours must be completed at the 300–400 level. Students must also complete the degree requirements in the College of Arts and Sciences.

### Political Science

1. At least 18 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours at or above the 300 level.
2. At least one 300- or 400-level course in each of the following areas:
  - American Politics (Y301–Y320, Y324–Y326, Y329, Y349, Y373, Y394).
  - Comparative Politics or International Relations (Y332–Y348, Y350–Y372, Y374–Y376, Y407).
3. At least two 300- or 400-level courses in political theory (Y379, Y381–Y388, Y406).
4. Y490 Senior Seminar in Political Science.

### Philosophy

1. At least 18 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours at or above the 300 level.
2. At least one course above the 100 level in each of the following three areas:
  - Ethics and value theory
  - History of philosophy
  - Epistemology and metaphysics
3. One of the following logic courses: P150 or P250.

## Interdepartmental Honors Program in Political Science and Philosophy

### Required Courses

Students with a minimum cumulative grade point average of 3.300 and minimum 3.500 in political science are eligible for the interdepartmental honors program in political science and philosophy, which culminates with an honors thesis. The honors program has two requirements:

1. One honors thesis.\*
2. One of the following pairs of courses:
  - POLS-Y 480 Colloquium and Y499 Honors Thesis or
  - PHIL-P 498 Senior Seminar and P499 Honors Thesis

The choice of the pair depends on whether the student's honors director is a political science or philosophy faculty member. The thesis will be judged by an honors committee that consists of members from both departments.

\*Although the thesis will typically involve topics and issues from both disciplines, exceptions will be allowed with the approval of the directors of undergraduate studies from both departments.

## Minor in Political Science

### Required Courses

Students must complete the following:

1. A total of 18 credit hours in political science, of which at least 9 credits must be at the 300 or 400 level.
2. At least two courses in one of the following blocks of courses and at least one course from one of the other two blocks:
  - American politics, public policy, law, and administration (Y301–Y320, Y324–Y326, Y329, Y349, Y373, Y394)
  - Comparative politics or international relations (Y332–Y348, Y350–Y372, Y374–Y376, Y407)
  - Political theory and methodology (Y379, Y381–Y388, Y395, Y405, Y406)
3. Only 3 hours of credit in X380 and Y481 may be counted toward the minor.
4. At least 9 credit hours of the above courses must be taken in residence on the Bloomington campus.

## Minor in International Relations

### Requirements

Students must complete 18 credit hours in Political Science with at least 9 credit hours at the 300–400 level, including six courses.

1. POLS-Y 395 Quantitative Political Analysis (3 cr.)
2. Five additional courses (15 cr.) including at least three courses from Block A—International and Comparative Politics, and at least one course from Block B—Methods and Policy.

### Block A Courses—International and Comparative Politics

- POLS-Y 107 Introduction to Comparative Politics
- POLS-Y 109 Introduction to International Relations
- POLS-Y 332 Russian Politics

- POLS-Y 333 Chinese Politics
- POLS-Y 334 Japanese Politics
- POLS-Y 335 Western European Politics
- POLS-Y 336 South East Asian Political Systems
- POLS-Y 337 Latin American Politics
- POLS-Y 338 African Politics
- POLS-Y 339 Middle Eastern Politics
- POLS-Y 340 East European Politics
- POLS-Y 342 Topics on the Regional Politics of Africa
- POLS-Y 343 The Politics of International Development
- POLS-Y 345 Comparative Revolutions
- POLS-Y 346 Politics in the Developing World
- POLS-Y 347 German Politics
- POLS-Y 348 The Politics of Genocide
- POLS-Y 350 Politics of the European Union
- POLS-Y 351 Political Simulations
- POLS-Y 352 The Holocaust and Politics
- POLS-Y 353 The Politics of Gender and Sexuality
- POLS-Y 356 South Asian Politics
- POLS-Y 360 United States Foreign Policy
- POLS-Y 361 Contemporary Theories of International Politics
- POLS-Y 362 International Politics of Selected Regions
- POLS-Y 363 Comparative Foreign Policy
- POLS-Y 364 International Organization: Political and Security Aspects
- POLS-Y 366 Current Foreign Policy Problems
- POLS-Y 367 International Law
- POLS-Y 368 Russian and Soviet Foreign Policy
- POLS-Y 372 The Analysis of International Politics
- POLS-Y 374 International Organization
- POLS-Y 375 War and International Conflict
- POLS-Y 376 International Political Economy

### Block B Courses—Methods and Policy

- POLS-Y 204 Institutional Analysis and Governance
- POLS-Y 205 Analyzing Politics
- POLS-Y 349 Comparative Public Policy
- POLS-Y 372 The Analysis of International Politics
- POLS-Y 405 Models and Theories of Political Decision Making

## Minor in World Political Systems

Students must complete 18 credit hours in Political Science with at least 9 credit hours at the 300–400 level, including six courses: three courses from Block A—International and Comparative Politics, and at least one course from Block B—Political Theory and Policy.

### Block A Courses—International and Comparative Politics

- POLS-Y 107 Introduction to Comparative Politics
- POLS-Y 109 Introduction to International Relations
- POLS-Y 332 Russian Politics
- POLS-Y 333 Chinese Politics
- POLS-Y 334 Japanese Politics
- POLS-Y 335 Western European Politics
- POLS-Y 336 South East Asian Political Systems
- POLS-Y 337 Latin American Politics

- POLS-Y 338 African Politics
- POLS-Y 339 Middle Eastern Politics
- POLS-Y 340 East European Politics
- POLS-Y 342 Topics on the Regional Politics of Africa
- POLS-Y 343 The Politics of International Development
- POLS-Y 345 Comparative Revolutions
- POLS-Y 346 Politics in the Developing World
- POLS-Y 347 German Politics
- POLS-Y 348 The Politics of Genocide
- POLS-Y 350 Politics of the European Union
- POLS-Y 351 Political Simulations
- POLS-Y 352 The Holocaust and Politics
- POLS-Y 353 The Politics of Gender and Sexuality
- POLS-Y 356 South Asian Politics
- POLS-Y 360 United States Foreign Policy
- POLS-Y 361 Contemporary Theories of International Politics
- POLS-Y 362 International Politics of Selected Regions
- POLS-Y 363 Comparative Foreign Policy
- POLS-Y 364 International Organization: Political and Security Aspects
- POLS-Y 366 Current Foreign Policy Problems
- POLS-Y 367 International Law
- POLS-Y 368 Russian and Soviet Foreign Policy
- POLS-Y 372 The Analysis of International Politics
- POLS-Y 374 International Organization
- POLS-Y 375 War and International Conflict
- POLS-Y 376 International Political Economy

#### **Block B Courses—Political Theory and Policy**

- POLS-Y 211 Introduction to Law
- POLS-Y 212 Making Democracy Work
- POLS-Y 243 Governance and Corruption across the World
- POLS-Y 249 Religion, Politics, and Public Policy
- POLS-Y 281 Modern Political Ideologies
- POLS-Y 349 Comparative Public Policy
- POLS-Y 382 Modern Political Thought
- POLS-Y 383 Foundations of American Political Thought
- POLS-Y 384 Developments in American Political Thought

## **Interdepartmental Minor in Political Science and Economics**

### **Purpose**

The interdepartmental minor in political science and economics introduces students to important issues in both the public and private sectors.

### **Requirements**

Students must meet the following course requirements for a total of 18 credit hours. All courses listed as required for

this minor must be completed with a minimum grade of C–.

1. Economics E201, E202, and one additional economics course at the 300 or 400 level (9 credit hours), excluding E370, E496, and Y398.
2. One course (3 credit hours) chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405.
3. Another 6 credit hours in political science in courses not used in number 2 above chosen from Y200, Y202, Y204, Y205, Y210, Y301–Y308, Y326, Y343, Y346, Y349, Y350, Y376, Y394, Y401, Y405, Y481, Y490, or Y499. (Y200 or Y401 may be repeated for credit for a maximum of 9 credit hours total of those two courses. No other courses may be repeated for credit.)
4. A minimum of 9 credit hours must be completed at the 300–400 level.
5. At least 9 credit hours of course work for the minor must be completed on the Bloomington campus.

**Note:** This minor is not available to students choosing a major in economics or political science. The interdepartmental minor in Political Science and Economics is also not available to students choosing a minor in political science or a minor in economics.

### **Departmental Honors Program**

The Department of Political Science makes a special effort to give outstanding students opportunities appropriate to their abilities and interests. In addition to a number of topics courses and small seminars, the department offers a formal program leading to a B.A. with honors.

Admission to the program usually occurs at the end of the sophomore year. Students are eligible to apply if they have completed at least 9 credit hours in political science, including at least one 300-level course, with a minimum grade point average of 3.500 in political science and a minimum overall GPA of 3.300 in university courses. Students must complete an application and meet with the director of honors in the Department of Political Science to discuss the student's proposed program. To attain a degree with honors, students must:

1. Present an acceptable honors thesis and defend it before a faculty committee. There are two paths to the thesis:
  - The student researches and writes a thesis, usually over the course of two semesters. Honors students typically enroll in 3–12 hours of Y499 for one or two semesters (usually in the senior year). The total amount of credit is determined by the chairperson of the student's honors committee. The honors thesis is written under the direction of two faculty members: a faculty supervisor who serves as chairperson of the student's honors committee, and at least one additional member of the honors committee. Graduate students may not serve as honors supervisors.
  - The student arranges with a faculty member to enroll in a graduate seminar in political science. The research paper for that seminar serves as the basis for the honors thesis, and the instructor of the graduate seminar becomes the chairperson of the

student's honors committee. This path is used very infrequently.

2. In both cases, during the fall and spring semesters of the year in which the thesis is being completed and defended, honors students are required to enroll and participate in the "Honors Colloquium" section of Y480. Any exceptions to the above requirements must be approved by the Director of Honors in Political Science.

## **Workshop in Political Theory and Policy Analysis**

The Workshop in Political Theory and Policy Analysis develops courses that provide students with an opportunity to relate theoretical analysis of contemporary policy issues to empirical field research. Students in both graduate and undergraduate courses participate in the design and implementation of small-scale, policy-relevant research projects. These projects help students gain practical experience in reasoning through policy problems, in conducting research, and in analyzing data. Students may also use data collected in these studies for their own research, such as class assignments and honors theses. High-quality work may be considered for publication in the workshop publication series. The subject matter of the courses varies from year to year, but a consistent theme is the comparative study of alternative institutional arrangements for dealing with public sector problems.

In addition to the development of specific courses, the workshop holds weekly colloquia where faculty and students at Indiana University and guest speakers address theoretical and policy problems of mutual interest. Reprints of recent studies in the workshop's publication series are available to students without charge.

Further information, including listings of current course offerings and publications, is available from the Workshop in Political Theory and Policy Analysis, 513 N. Park Avenue, Bloomington, Indiana 47405, (812) 855-0441.

## **Course Descriptions**

### **POLS-Y 100 American Political Controversies (3 cr.)**

**CASE S&H** Introduction to current or past American political controversies. The course content presents multiple sides of complex issues. Topics vary from semester to semester. The course may be repeated once for credit; however, the course may be counted only once toward a political science major.

### **POLS-Y 101 Introduction to Political Science (3 cr.)**

**CASE S&H** Introductory survey of the discipline of political science: integrates basic elements of American politics, political theory, comparative politics, and international relations. Intended especially for actual or prospective majors.

### **POLS-Y 102 International Political Controversies (3 cr.)**

**CASE S&H** Introduction to current or past controversial issues in international and comparative politics, presenting multiple sides of complex issues. Topics vary from semester to semester. The course may be repeated once; however, it may be counted only once toward a political science major.

### **POLS-Y 103 Introduction to American Politics (3 cr.)**

**CASE S&H** Introduction to the nature of government and

the dynamics of American politics. Origin and nature of the American federal system and its political party base. I Sem., II Sem., SS.

### **POLS-Y 105 Introduction to Political Theory (3 cr.)**

**CASE A&H** Perennial problems of political philosophy, including relationships between rulers and ruled, nature of authority, social conflict, character of political knowledge, and objectives of political action. Credit not given for both Y105 and Y215. I Sem., II Sem.

### **POLS-Y 107 Introduction to Comparative Politics (3 cr.)**

**CASE S&H** Examines countries around the world to investigate fundamental questions about politics. Topics include democratic development, promotion of economic prosperity, maintenance of security, and management of ethnic and religious conflict. Critical thinking skills encouraged. Cases for comparison include advanced industrialized democracies, communist and former communist countries, and developing countries. Credit given for only one of Y107 and Y217.

### **POLS-Y 109 Introduction to International Relations (3 cr.)**

**CASE S&H** Causes of war, nature and attributes of the state, imperialism, international law, national sovereignty, arbitration, adjudication, international organization, major international issues. Credit not given for both Y109 and Y219. I Sem., II Sem., SS.

### **POLS-X 180 Political Science Practicum I (1 cr.)**

In the practicum, students will conduct experiments, or participate in simulations, or hold moot court sessions, or compete in debates or engage in problem-solving exercises. Information on topic and course affiliation available in the online *Schedule of Classes*. May be repeated for a maximum of 2 credit hours. S/F graded.

### **POLS-Y 200 Contemporary Political Topics (3 cr.)**

**CASE S&H** Extensive analysis of selected contemporary political problems. Topics vary from semester to semester and are listed in the online *Schedule of Classes*. I Sem., II Sem., SS. May be repeated once for credit.

### **POLS-Y 202 Politics and Citizenship in the Information Age (3 cr.)**

**CASE S&H** Introduction to the influence of the news media on citizen preferences and behavior in the information age. Analysis of the forces shaping the media, the relation between the media and politics, and the effect on citizens. Topics include decision making and development of critical skills in response to the information age.

### **POLS-Y 204 Institutional Analysis and Governance (3 cr.)**

**CASE S&H** Introduces the design and development of political, economic, and social institutions that support democratic governance or its alternatives. Uses theory to understand connections among individual choice, collective action, institutions, and constitutional order. Institutional analysis as a mode of reasoning about contemporary policy problems, law, and public affairs.

### **POLS-Y 205 Analyzing Politics (3 cr.)**

**CASE S&H** Introduces the approaches and techniques used to study politics. Includes an introduction to social science language, concepts, and critical research skills. Overview of political science research approaches, including case study, surveys, and model-building. Emphasizes skills such as interpreting the presentation of data in charts,

graphs, and tables, and elementary analysis of qualitative and quantitative data.

**POLS-Y 210 Honors Seminar (3 cr.) CASE S&H**

Intensive examination of selected political topics for freshman and sophomore honors students. Emphasis on critical discussion and preparation of brief papers. May be repeated once for credit.

**POLS-Y 211 Introduction to Law (3 cr.) CASE S&H** An introduction to law as a method for dealing with social problems and as an aspect of the social and political system. An introduction to legal reasoning, procedures, and materials. Usually includes comparison of U.S. to other societies' approaches to law. Mock court situations usually included.

**POLS-Y 212 Making Democracy Work (3 cr.) CASE A&H** Nature and justifications for democratic politics and the problems confronting democracy today. Demise of liberalism in America; rise of identity politics and its significance; racial inequality and the problems of deliberative democracy; problems of political alienation and participation.

**POLS-Y 243 Governance and Corruption across the World (3 cr.) CASE S&H** Analysis of problems of governance and corruption in developing and/or more developed countries. Examines conditions for effective governance and challenges to economic growth and provision of public goods. Addresses political causes and consequences of corruption. Case studies will vary and may be drawn from Asia, Latin America, Africa, Central and Eastern Europe, and North America.

**POLS-Y 249 Religion, Politics, and Public Policy (3 cr.) CASE S&H** Introduction to the effects of religious belief, behavior, and institutions on political processes and public policy. Implications of religion as an alternative source of public legitimacy in contemporary societies. Topics may include controversies or developments in American, comparative, or international politics.

**POLS-X 280 Political Science Practicum II (1 cr.)** In the practicum, students will conduct experiments, or participate in simulations, or hold moot court sessions, or compete in debates or engage in problem-solving exercises. Information on topic and course affiliation available in the online *Schedule of Classes*. May be repeated for a maximum of 3 credit hours. S/F graded.

**POLS-Y 281 Modern Political Ideologies (3 cr.) CASE A&H** Assesses leading political ideologies of the past two centuries, e.g., conservatism, liberalism, socialism, communism, fascism, feminism, environmentalism, anarchism, populism, and various forms of religious fundamentalism. Analyzes those ideologies as forms of thought and as motivators of political agency and organization that have shaped the contours of the modern political world.

**POLS-X 299 Careers for Political Science Students (1 cr.)** What can you do with a major in political science? In this course you'll hear from a series of IU alums with professional careers in law, government, business, non-profits and research institutes, international service, polling, and other fields about what they do in their careers, how to get these jobs, and how to write a resume and excel in an interview.

**POLS-Y 301 Political Parties and Interest Groups (3 cr.) CASE S&H**

Theories of American party activity; behavior of political parties, interest groups, and social movements; membership in groups; organization and structure; evaluation and relationship to the process of representation.

**POLS-Y 304 Constitutional Law (3 cr.) CASE S&H**

American political powers and structures; selected Supreme Court decisions interpreting American constitutional system.

**POLS-Y 305 Constitutional Rights and Liberties (3 cr.) CASE S&H**

Extent and limits of constitutional rights; selected Supreme Court decisions interpreting American constitutional system.

**POLS-Y 306 State Politics in the United States (3 cr.) CASE S&H**

Comparative study of politics in the American states. Special emphasis on the impact of political culture, party systems, legislatures, and bureaucracies on public policies.

**POLS-Y 307 Indiana State Government and Politics (3 cr.) CASE S&H**

Constitutional foundations, political development, organizational and functional process and growth, and current problems of Indiana government. Readings, case studies, problems.

**POLS-Y 308 Urban Politics (3 cr.) CASE S&H**

Political behavior in modern American communities; emphasizes the impact of municipal organization, city officials and bureaucracies, social and economic notables, political parties, interest groups, the general public, and protest organizations on urban policy outcomes.

**POLS-Y 311 Democracy and National Security (3 cr.) CASE S&H**

Analysis of fundamental tensions between democratic values and the requirements of national security. Topics include homeland security and civil liberties in an age of terror, civil-military relations, oversight of intelligence operations, effects of interventions and wars on democracy abroad and at home, and debates over the morality of United States security policies.

**POLS-Y 313 Environmental Policy (3 cr.) CASE S&H**

Examines the processes of social decision reconciling human demands on the natural world with the ability of nature to sustain life and living standards. Analyzes the implications for public policies in complex sequential interactions among technical, economic, social, and political systems and considers the consequences of alternative courses of action.

**POLS-Y 315 Political Psychology and Socialization (3 cr.) CASE S&H**

Analysis of the relationship between personality and politics. Use of major psychological theories and concepts to understand the attitudes and behavior of mass publics and political elites.

**POLS-Y 316 Public Opinion and Political Participation (3 cr.) CASE S&H**

The nature of public opinion on major domestic and foreign policy issues; mass political ideology; voting behavior and other forms of political participation; political culture; and the impact of public opinion on political systems.

**POLS-Y 317 Voting, Elections, and Public Opinion (3 cr.) CASE S&H**

Determinants of voting behavior in elections. The nature of public opinion regarding major

domestic and foreign policy issues; development of political ideology; other influences on the voting choices of individuals and the outcomes of elections; relationships among public opinion, elections, and the development of public policy.

**POLS-Y 318 The American Presidency (3 cr.) CASE S&H** Examination of the American presidency both in historical setting and in contemporary context. Topics such as presidential elections, roles and resources of the president, structures and processes of the presidency, presidential leadership and behavior, relationships of the presidency and other participants in policy making.

**POLS-Y 319 The United States Congress (3 cr.) CASE S&H** Evolution and development of the contemporary Congress. Topics such as electoral processes; organizational structures and procedures of the Senate and House of Representatives; involvement of Congress with other policymaking centers; lawmaking, representative, and oversight activities of the national legislature.

**POLS-Y 320 Judicial Politics (3 cr.) CASE S&H** Examines the American judicial system in the contemporary context. Analysis of the trial and appellate courts with a focus on the United States Supreme Court. Topics include analyses of the structure of the judicial system, the participants in the system, and the policy making processes and capabilities of the legal system. The course concludes with an assessment of the role of courts in a majoritarian democracy.

**POLS-Y 321 The Media and Politics (3 cr.) CASE S&H** Examines the contemporary relationship between the media and politics, including use of the media by politicians and public officials, media coverage of governmental activities, and media coverage of campaigns and elections. Course focuses primarily on the United States, but includes comparative perspectives.

**POLS-Y 324 Gender and Politics (3 cr.) CASE S&H, CASE DUS** Analysis of women in contemporary political systems, domestic or foreign, with emphasis on political roles, participation, and public policy. Normative or empirical examination of how political systems affect women and the impact women have on them. Topics vary semester to semester. May be repeated with a different topic for a maximum of 6 credit hours.

**POLS-Y 325 African American Politics (3 cr.) CASE S&H, CASE DUS** Examines the African American political condition, with special emphasis on political thought and behavior. The course analyzes not only how the political system affects African Americans, but also the impact African Americans have on it. Themes for this course may vary.

**POLS-Y 329 Racial and Ethnic Politics in the United States (3 cr.) CASE S&H, CASE DUS** A survey of minority group politics in the United States. The course examines the socioeconomic position and political history of various demographic groups and highlights key public policy debates central to the future of ethnic politics and race relations in the United States. Compares theories of racial formation in the context of a political system predicated on majority rule.

**POLS-Y 332 Russian Politics (3 cr.) CASE S&H, CASE GCC** Political process and government structure in the Russian state. Political institutions inherited from tsarist empire and the Soviet state (1917–1991), history of subsequent political reform. Political problems of ethnic conflict, creating democratic institutions, and of transition from socialism to market economy.

**POLS-Y 333 Chinese Politics (3 cr.) CASE S&H, CASE GCC** Explores contemporary politics and policy issues in the People's Republic of China. Influence of revolutionary practice and ideology; analysis of contemporary economic, political and social organizations; examination of policy issues including social reforms, economic growth, and democratization and globalization.

**POLS-Y 334 Japanese Politics (3 cr.) CASE S&H, CASE GCC** Political development of Japan, with emphasis on changing attitudes toward modernization; cultural and sociological factors affecting the functioning of contemporary political institutions; and the implication of Japanese experience in modernization of other developing societies.

**POLS-Y 335 Western European Politics (3 cr.) CASE S&H, CASE GCC** Development, structure, and functioning of political systems, primarily in France, Italy, and Germany. Political dynamics of European integration.

**POLS-Y 336 South East Asian Political Systems (3 cr.) CASE S&H, CASE GCC** Covers the governmental organization, and the political behavior and traditions, of countries in the South East Asian region. Addresses regional issues of political and economic development, and international issues regarding the relationship of the region to the rest of the world.

**POLS-Y 337 Latin American Politics (3 cr.) CASE S&H, CASE GCC** Comparative analysis of political change in major Latin American countries, emphasizing alternative explanations of national and international developments; examination of impact of political parties, the military, labor and peasant movements, Catholic Church, multinational corporations, regional organizations, and United States on politics; public policy processes in democratic and authoritarian regimes.

**POLS-Y 338 African Politics (3 cr.) CASE S&H, CASE GCC** Explores politics in Sub-Saharan Africa. Examines relevance of "traditional" political systems; impact on colonialism; building new nations and states; authoritarian regimes; process of democratization; management of ethnic, regional, religious and class conflict; political challenges of economic development; role of international actors, including the United States, United Nations, World Bank, and non-governmental organizations; and globalization.

**POLS-Y 339 Middle Eastern Politics (3 cr.) CASE S&H, CASE GCC** Political culture and change in selected Middle Eastern and North African countries. Topics include political elites, traditional cultures, modern political ideology, institutions of political control, conflict management, and social reform policies.

**POLS-Y 340 East European Politics (3 cr.) CASE S&H, CASE GCC** Compares political change in the East European states, and emphasizes the legacies of authoritarianism and communism and the post-communist

transition to democracy. Topics include the building of political institutions, the inclusion of citizens into the polity, the reform of the economy, the management of ethnic and social conflicts, and integration into the European Union.

**POLS-Y 342 Topics on the Regional Politics of Africa (3 cr.) CASE S&H, CASE GCC** Problems of political development within regions of sub-Saharan Africa. Political party organization and tactics, recruitment of political and administrative leadership, tactics of voluntary associations, patterns of international relations. May be repeated once for credit with consent of instructor and departmental undergraduate advisor.

**POLS-Y 343 The Politics of International Development (3 cr.) CASE S&H** Examines the key debates and issues regarding how "poor" countries develop economically and socially. Analyzes the interactions between politics and economics in the development process at the global, national, and local levels. Cases for comparison will include countries from Africa, Latin America, Asia, and the Middle East.

**POLS-Y 345 Comparative Revolutions (3 cr.) CASE S&H** Analysis of major modern revolutions. Focus on the social, economic, and political causes of revolutions; the rise of revolutionary movements; and the strategies for gaining and consolidating power.

**POLS-Y 346 Politics in the Developing World (3 cr.) CASE S&H** Focuses on politics in the developing world (Africa, Asia, Latin America, and the Middle East). Comparison of political history; experiences of colonialism and post-colonial authoritarian systems; political economy; development and globalization; democratization and management of protest and conflict; and interactions with international actors and transnational social movements.

**POLS-Y 347 German Politics (3 cr.) CASE S&H, CASE GCC** Survey of the German political system including governmental institutions, the origins and role of political parties, opportunities for citizens to participate in politics, and current political culture. Special attention is paid to the question of how well Germany's democracy functions after experiencing several regime changes.

**POLS-Y 348 The Politics of Genocide (3 cr.) CASE S&H, CASE GCC** Comparative study of major twentieth-century genocides. Examines the political conditions, ideologies, and movements leading up to mass murder, and the ethnic and global context of genocide. Focuses on the question of responsibility and accountability from the viewpoints of perpetrators, victims, and bystanders in the national and international communities.

**POLS-Y 349 Comparative Public Policy (3 cr.) CASE S&H** Investigates public policies and policy making among advanced industrial democracies from a comparative perspective. Usually covers policy areas such as immigration, health care, education, and taxation.

**POLS-Y 350 Politics of the European Union (3 cr.) CASE S&H, CASE GCC** Study of the politics of the European Union (EU). Assesses past and present dynamics of economic and political integration in Europe, the structure and work of European Union institutions, and EU public policies such as the Single Market, the common currency, common foreign and security policy, and trade.

**POLS-Y 351 Political Simulations (1-3 cr.)** A course tied to simulations of international organizations such as the European Union, the United Nations, or the Organization of American States. May be taken alone or in conjunction with related political science courses. May be repeated for a maximum of 3 credit hours.

**POLS-Y 352 The Holocaust and Politics (3 cr.) CASE S&H, CASE GCC** Examination of the socioeconomic conditions and political ideologies leading up to the Holocaust, and the political, administrative, and social context for the genocide from the vantage of perpetrators, victims, and bystanders. Focus on the individual, national, and international responses to and responsibilities for the Holocaust. Consideration of the Holocaust's legacies for the postwar world.

**POLS-Y 353 The Politics of Gender and Sexuality (3 cr.) CASE S&H, CASE GCC** Analysis of the gendered roles of women and men in politics and examination of the interplay between gender relations and public and private institutions. Includes exploration of political and social movements that attempt to influence public policy about gender and/or sexuality in the United States and in other countries. Examines how different social, economic, and political practices play a role in the construction of gender and sexuality. May be repeated with a different topic for a maximum of 6 credit hours.

**POLS-Y 356 South Asian Politics (3 cr.) CASE S&H, CASE GCC** Introduction to the legacy of British colonialism in South Asia, to the development and decay of political institutions, to questions of economic growth, to social movements, and to regional conflicts.

**POLS-Y 360 United States Foreign Policy (3 cr.) CASE S&H** Analysis of institutions and processes involved in the formation and implementation of American foreign policy. Emphasis is on post-World War II policies.

**POLS-Y 361 Contemporary Theories of International Politics (3 cr.) CASE S&H** Theories used in the study of international politics: systems theory, field theory, conflict theory, alliance and coalition theories, balance-of-power theories, and an introduction to game and bargaining theory.

**POLS-Y 362 International Politics of Selected Regions (3 cr.) CASE S&H** The region studied will vary with the instructor and the year. Current information may be obtained from the Department of Political Science. May be repeated once for credit, with permission of the departmental undergraduate advisor.

**POLS-Y 363 Comparative Foreign Policy (3 cr.) CASE S&H** Compares factors that influence foreign policy and the foreign policy process. Focuses on domestic or internal sources of foreign policy behavior, including impact of individual leaders, group decision-making processes, bureaucratic politics, ideology and political culture, historical experience, and type of political system. Classroom simulations are central to the course.

**POLS-Y 364 International Organization: Political and Security Aspects (3 cr.) CASE S&H** International organizations as lateral extensions of the Western state system, exercising influence in accordance with a variety of strategies. Strategies employed by the United Nations in the political and security area.

**POLS-Y 366 Current Foreign Policy Problems (3 cr.)**

**CASE S&H** Critique of foreign policy issues: communism, containment, imperialism, and others. Research papers and classroom presentation for critical discussion.

**POLS-Y 367 International Law (3 cr.) CASE S&H**

Sources and consequences of international law; relationship to international organizations and world order; issues of national sovereignty, human rights, conflict resolution, international property rights, world trade, environmental change, and other topics.

**POLS-Y 368 Russian and Soviet Foreign Policy**

**(3 cr.) CASE S&H, CASE GCC** R: Y332. Behavior of Russia and U.S.S.R. in world affairs from 1945 to the present. Emphasis on impact of geographic assets and vulnerabilities, historical experience, domestic politics, and the changing international environment.

**POLS-Y 372 The Analysis of International Politics**

**(3 cr.) CASE S&H** R: Y109 or equivalent. Introduction to the systematic study of international politics, focusing on the major approaches of decision making (microanalysis) and the international system (macroanalysis) and on a number of specific methodologies, such as game theory, content analysis, simulation, and quantitative/statistical techniques.

**POLS-Y 374 International Organization (3 cr.) CASE**

**S&H** Examines assumptions about the causes, functions, results, and structures of international (intergovernmental) organizations. Theory is combined with case study of the United Nations particularly. The European Community and regional organization examples provide a basis for understanding an evolving phenomenon.

**POLS-Y 375 War and International Conflict (3 cr.)**

**CASE S&H** The nature of war. Theories and evidence on the causes of war. Discussion of the ways in which war has been conceived and perceived across time and of methods employed to study the phenomenon of war.

**POLS-Y 376 International Political Economy (3 cr.)**

**CASE S&H** Theories about the interaction between the international economic and political systems are the subject of this course. Works from each of the main traditions—liberal, Marxist, and statist—will be assigned. Specific topics covered will include (among others): the politics of trade, aid, foreign investment, and international monetary affairs; theories of dependency and imperialism; the politics of international competition in specific industries; the stability/instability of international economic regimes.

**POLS-Y 379 Ethics and Public Policy (3 cr.) CASE**

**A&H** Examines questions at the intersection of ethics and public policy. What morally problematic means are justified in pursuing political ends? What should be the ends of public policy? What are the moral responsibilities of public officials when they try to answer the first two questions? Uses ethical theory to examine concrete cases in public policy and concrete cases to test the adequacy theory.

**POLS-X 380 Political Science Practicum III (1 cr.)**

In the practicum, students will conduct experiments, or participate in simulations, or hold moot court sessions, or compete in debates or engage in problem-solving exercises. Information on topic and course affiliation

available in the online *Schedule of Classes*. May be repeated for a maximum of 3 credit hours. S/F graded.

**POLS-Y 381 Classical Political Thought (3 cr.) CASE**

**A&H, CASE GCC** An exposition and critical analysis of the major political philosophers and philosophical schools from Plato to Machiavelli.

**POLS-Y 382 Modern Political Thought (3 cr.) CASE**

**A&H, CASE GCC** An exposition and critical analysis of the major political philosophers and philosophical schools from Machiavelli to the present.

**POLS-Y 383 Foundations of American Political**

**Thought (3 cr.) CASE A&H** Explores the evolution of American political ideas from colonization through ratification of the Constitution and its implementation.

**POLS-Y 384 Developments in American Political**

**Thought (3 cr.) CASE A&H, CASE DUS** Explores the evolution of American political ideas under the Constitution of the United States, and its promises and problems.

**POLS-Y 386 African American Political Thought**

**(3 cr.) CASE A&H, CASE DUS** Focuses on the various ideologies and strategies informing the African American political struggles in the United States. Readings focus on thinkers and activists from the rebellion against slavery to the contemporary debates about institutional racism and reparations. Features work by African American thinkers associated with a broad range of movements.

**POLS-Y 388 Marxist Theory (3 cr.) CASE A&H**

Origin, content, and development of Marxist system of thought, with particular reference to philosophical and political aspects of Russian Marxism.

**POLS-Y 394 Public Policy Analysis (3 cr.) CASE S&H**

Place of theory and method in examining public policies in relation to programs, institutional arrangements, and constitutional problems. Particular reference to American political experience.

**POLS-Y 395 Quantitative Political Analysis (3 cr.)**

**CASE N&M** P: MATH M118 or A118 or equivalent. Introduction to methods and statistics used in political inquiry, including measures of central tendency and dispersion, probability, sampling, statistical inference and hypothesis testing, measures of association, analysis of variance, and regression. Credit given for only one of Y395, ANTH A306, CJUS K300, ECON E370 or S370, MATH K300 or K310, PSY K300 or K310, SOC S371, STAT K310 or S300 or S301, or SPEA K300.

**POLS-Y 399 Politics of the United Nations (3 cr.)**

**CASE S&H, CASE GCC** Origins and evolution of the UN; principal UN bodies, how they operate and what they do; who finances the UN; controversies and voting patterns in the UN; attitudes toward the UN and debates within member countries regarding its role; impact of UN activities and programs (e.g., conflict resolution and mediation, peacekeeping and peace enforcement; nation building, development aid, weapons proliferation, human rights, health, environment).

**POLS-Y 401 Topics in Political Science (3 cr.) CASE**

**S&H** Topic varies with the instructor and year; consult the online *Schedule of Classes* for current information. May be repeated once for credit.

**POLS-Y 405 Models and Theories of Political Decision Making (3 cr.) CASE S&H** P: One course in political science at the 200 level or above. R: ECON E201. Introduces collective choice and game theory for understanding how societies make political decisions. Examines how institutions, or the political context in which decisions are made, affect group choices. Theories of individual and group decision making, collective choice, and social dilemmas. Applications to congressional politics, intergovernmental relations, and parliamentary democracies.

**POLS-Y 406 Problems in Political Philosophy (3 cr.) CASE A&H** Centers on conflicting interpretations of justice, liberty, and equality, as well as certain problems of democracy, including the tension between majority rules and minority rights, and the correlation of rights and duties. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

**POLS-Y 407 Problems in Comparative Politics (3 cr.) CASE S&H** Exploration of issues and themes in the field of comparative politics. Includes advanced methodological, empirical, and theoretical approaches. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours

**POLS-Y 480 Undergraduate Readings in Political Science (1-6 cr.)** Individual readings and research. No more than 6 credit hours total may be taken. May be taken only with consent of instructor.

**POLS-Y 481 Field Experience in Political Science (1-6 cr.)** P: Junior or senior standing, 15 credit hours of political science, and project approval by instructor. Faculty-directed study of aspects of the political process based on field experience. Directed readings, field research, research papers. Certain internship experiences may require research skills. May be repeated for a maximum of 6 credit hours.

**POLS-Y 484 Practicum (1-6 cr.)** P: Consent of instructor. Faculty-directed participation in the various aspects of academic teaching and research. Students will assist a faculty member in such activities as directing simulations, grading, teaching discussion sections, doing research. Individual assignments will vary by instructor. May be repeated for a maximum of 6 credit hours.

**POLS-Y 490 Senior Seminar in Political Science (3 cr.)** P: Senior standing or consent of department. Seminar sessions arranged to present papers for evaluation and criticism by fellow students. Subject matter varies by semester. May be repeated with a different topic for a maximum of 6 credit hours.

**POLS-Y 496 Foreign Study in Political Science (3-8 cr.)** P: Consent of instructor. Course involves planning of research project during year preceding summer abroad. Time spent in research abroad must amount to at least one week for each credit hour granted. Research paper must be presented by end of semester following foreign study. May not be repeated for credit.

**POLS-Y 499 Honors Thesis (1-12 cr.)** P: Approval of instructor and departmental honors director. May be repeated for a maximum of 12 credit hours.

## Psychological and Brain Sciences

### Introduction

The Department of Psychological and Brain Sciences (PSY) offers a major in psychology leading to the B.A. or B.S. degree, a B.S. degree in neuroscience, and course work for undergraduates who wish to satisfy Breadth of Inquiry requirements. As a science, psychology seeks to understand the basic principles by which living organisms adapt their behavior to the changing physical and social environments in which they live. The breadth of the discipline, with its links to the humanities, mathematics, and other social and natural sciences, encourages the development of broad problem-solving skills through exposure to research methodology and statistical analysis and contributes to the development of communicative skills. Psychological knowledge, techniques, and skills obtained in the B.A. and B.S. programs are applied in many careers and provide background for students entering graduate work in psychology and related areas, as well as the professions of medicine, dentistry, law, and business.

### Contact Information

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(812) 855-2151  
[psyneuro@indiana.edu](mailto:psyneuro@indiana.edu)

<http://www.indiana.edu/~psyugrad/>

### Faculty

#### Chairperson

- William P. Hetrick

#### Associate Chairperson

- Thomas Busey

#### Distinguished Professors

- Robert Nosofsky
- David Pisoni
- Richard M. Shiffrin
- Linda B. Smith
- James T. Townsend

#### Eleanor Cox Riggs Professor

- Aina Puce

#### Jack and Linda Gill Chairs

- Andrea Hohmann
- Cary Lai
- Kenneth Mackie

#### Luther Dana Waterman Professor

- Richard M. Shiffrin

#### Rudy Professors

- Bennett I. Bertenthal
- James T. Townsend
- Stanley Wasserman

**Chancellor's Professors**

- James C. Craig (Emeritus)
- Robert L. Goldstone
- Robert Nosofsky
- David B. Pisoni
- George V. Rebec (Emeritus)
- Steven J. Sherman
- Eliot Smith
- Linda B. Smith
- Meredith West

**Provost Professor**

- Jerome R. Busemeyer
- Olaf Sporns

**Professors**

- Jeffrey R. Alberts
- John E. Bates
- Geoffrey Bingham
- Sharon Brehm (Emerita)
- Thomas A. Busey
- Jonathon Crystal
- Joseph Farley
- Peter Finn
- Preston Evans Garraghty
- Julia R. Heiman
- William P. Hetrick
- Edward R. Hirt
- Amy Holtzworth-Munroe
- John K. Kruschke
- Brian F. O'Donnell
- Dale R. Sengelaub
- William D. Timberlake (Emeritus)
- Peter Todd
- Richard Viken
- Cara L. Wellman

**Associate Professors**

- Heather Bradshaw
- Joshua Brown
- Brian D'Onofrio
- Jason M. Gold
- Karin Harman James
- Thomas W. James
- Michael Jones
- Sharlene D. Newman
- Anne Prieto
- Chen Yu

**Assistant Professors**

- Dan Kennedy
- Anne Krendl
- David Landy
- Cara C. Lewis
- Mary Murphy
- Robert Rydell

**Professor of Practice**

- Jeff Huber

**Senior Lecturers**

- Cynthia Patton
- Ben Motz

- Alan Roberts
- Linda Hoke Sinex
- Lisa Thomassen
- Scott Thompson
- Irene Vlachos-Weber

**Lecturers**

- Richard Hullinger

**Academic Advising**

- Andrew Bloomgarden, Chrissy Brown, Pauline Campbell, Sara M. Gibson, Lauren Thomas, Psychology 229, (812) 855-2151, [psyneuro@indiana.edu](mailto:psyneuro@indiana.edu). For additional information, please check the [College Undergraduate Advisors List](#).

**Major in Psychology—B.A.****Purpose**

The B.A. program provides a broad coverage of modern scientific psychology and of the strategies and tactics by which knowledge is acquired in this field. The B.A. program offers the student considerable flexibility in choosing courses, and it requires sufficient background in science and psychology to enable good students to qualify for demanding graduate programs.

**Required Courses**

Students must complete the following courses in psychology:

1. One of the following entry-level sequences:
  - P155, P199, and P211 **or**
  - P106 and P199 **or**
  - P101, P102, P199, and P211

(Note: P299 may be substituted for P199 in any of the sequences above.)
2. PSY-K 300 **or** K310 **or** a substitute approved by the undergraduate advisor.
3. All of the following foundational courses: P304, P335, P346.
4. One advanced course chosen from P337, P349, P402, P405, P406, P407, P409, P410, P411, P413, P416, P417, P423, P425, P430, P434, P437, P438, P440, P441, P442, P443, P444, P446, P447, P448, P449, P452, P453, P455, P457 (if appropriate topic), P459, P460, P461, P464, P466, P467, P469, P470, P474, P495.
5. Two elective courses chosen from P303, P315, P316, P319, P323, P324, P325, P327, P329, P330, P336, P340, P350, P351, P357, P375.
6. One capstone course or appropriate substitute: P404, P421, P424, P426, P429, P433, P435, P436, P472, P473, P493, P494, or P499.
7. Mathematics M118 (V118, D116-D117), **or** M119, **or** M120, **or** a 200-level mathematics course, **or** the equivalent, completed with a C– or higher.
8. A one-semester course in biology completed with a C– or higher.
9. One additional course completed with a C– or higher selected from one of the following departments: Anthropology (B200 Bioanthropology only), Biology,

Chemistry, Computer Science, Mathematics (in addition to the course used to satisfy requirement number 7 listed above), and Physics.

Students must also complete the degree requirements for the B.A. degree in the College of Arts and Sciences.

### **Required Outside Concentration**

A single outside concentration is required of all majors in psychology. The outside concentration must consist of 12 credit hours at any level or of three courses above the 100 level, taken in one department. The following disciplines are examples of outside concentrations chosen by psychology majors: animal behavior, anthropology, biology, business, chemistry, cognitive science, computer science, criminal justice, foreign languages, gender studies, history and philosophy of science and medicine, human development and family studies, linguistics, mathematics, philosophy, or sociology. Students can fulfill this requirement by completing an optional minor, offered by many departments. (See individual departments' sections in this *Bulletin* for specific required courses.)

### **Recommendations**

We strongly recommend that students fulfill the entry-level sequence and all foundational courses (P304, P335, P346) by the end of the second year of studies. Students should consult with one of the undergraduate advisors for additional information on the above requirements. See also the departmental information available at [www.indiana.edu/~psyugrad/](http://www.indiana.edu/~psyugrad/). We recommend that students take P199 Career Planning for Psychology

Majors in their sophomore year. This course can be used for career guidance and provides students with invaluable information at an appropriate time.

## **Major in Psychology—B.S.**

### **Purpose**

The B.S. program in psychology is designed for career-oriented and highly motivated students. The program emphasizes breadth of preparation in science and development of math and computer application skills, and it requires more advanced courses and laboratory work in psychology than the B.A. program. The student who graduates with a B.S. in psychology should be well prepared for graduate training in psychology and related fields, for professional schools, and for jobs (not necessarily in psychology) that use scientific training and quantitative techniques.

### **Required Courses**

Students must complete the following Foundations, Intensive Writing, Foreign Language, Critical Approaches, Public Oral Communication, and Breadth of Inquiry requirements:

1. Writing, same as B.A. degree (English Composition, Intensive Writing).
2. Mathematics, two courses from the following or an approved equivalent: M118 (A118, V118, or D116-D117), M119, M120, any 200-level or higher course with an "M" prefix (such as M211).
3. Foreign language, 3 credit hours at or above the second-year level (or equivalent proficiency) in one language.

4. One Critical Approaches to the Arts and Sciences course (COLL-C 103, COLL-C 104, **or** approved equivalents).
5. One Public Oral Communication course.
6. Arts and Humanities, three courses (could include COLL-C 103 or equivalent from number 4 above).
7. Social and Historical Studies, three courses, exclusive of psychology courses (could include COLL-C 104 or equivalent from number 4 above).
8. Natural and Mathematical Sciences: must include Biology-L 112 and L113 and one of the following combinations:
  - a. Two mathematics courses beyond the two fundamental skills courses listed above **or**
  - b. Physics P201-P202 (or P221-P222) **or**
  - c. Chemistry, complete all courses within one set: C101-C121-C102-C122 or C103-C117-C127 or C117-C127-C341 or C117-C127-R340 **or**
  - d. One additional course in biology for majors (such as L111 or L211) and one other course from the mathematics, physics, and chemistry courses listed above. ANAT A215 may substitute for the biology course.

### **Major Requirements**

1. One of the following entry-level sequences:
  - a. P155, P199, and P211 **or**
  - b. P106 and P199 **or**
  - c. P101, P102, P199, and P211

(Note: P299 may substitute for P199 in any of the sequences above.)

2. K300 or K310, or a substitute approved by the undergraduate advisor.
3. All of the following foundational courses: P304, P335, P346.
4. Three advanced courses from P337, P349, P402, P405, P406, P407, P409, P410, P411, P413, P416, P417, P423, P425, P430, P434, P437, P438, P440, P441, P442, P443, P444, P446, P447, P448, P449, P452, P453, P455, P457 (if appropriate topic), P459, P460, P461, P464, P466, P467, P469, P470, P474, P495.
5. Two capstone courses or appropriate substitutes from P404, P421, P424, P426, P429, P433, P435, P436, P472, P473, P493, P494, or P499.

### **Recommendations**

We strongly recommend that students fulfill the entry-level sequence and all foundational courses (P304, P335, P346) by the end of the second year of studies.

Students should consult with one of the psychological and brain sciences undergraduate advisors for additional information on the above requirements. See also the departmental information available at [www.indiana.edu/~psyugrad/](http://www.indiana.edu/~psyugrad/).

We recommend that students take P199 Career Planning for Psychology Majors in their sophomore year. This course can be used for career guidance and provides students with invaluable information at an appropriate time.

## Required Outside Concentration

A single outside concentration is required of all majors in psychology. The outside concentration must consist of 12 credit hours at any level or of three courses above the 100 level, taken in one department. The following disciplines are examples of outside concentrations chosen by psychology majors: animal behavior, anthropology, biology, business, chemistry, cognitive science, computer science, criminal justice, foreign languages, gender studies, history and philosophy of science and medicine, human development and family studies, linguistics, mathematics, philosophy, or sociology. Students can fulfill this requirement by an optional minor, offered by many departments. (See individual departments' sections in this *Bulletin* for specific required courses.)

## Major in Neuroscience—B.S.

### Purpose

The B.S. in Neuroscience is designed for students who have an interest in the interdisciplinary field of neuroscience and who are interested in pursuing graduate training in neuroscience, attending medical school, or obtaining a research-related position in biotechnology, the life sciences, or the pharmaceutical industry. The major provides interdisciplinary training in basic scientific principles in the life and physical sciences that are necessary for an understanding of nervous system function, as well as training in the fundamental principles of neuroscience, and opportunities for more advanced training in specific topics in the field. Thus, students will gain a depth of understanding in neuroscience, from the cellular and molecular bases of nervous system function, to a systems-level approach to the study of brain-behavior relationships.

### Required Courses

Students must complete the following Foundations, Intensive Writing, Foreign Language, and Breadth of Inquiry requirements:

1. Writing, same as B.A. degree (English Composition and Intensive Writing).
2. Mathematics, fulfilled by major requirements.
3. Foreign language, three semesters in the same language, or equivalent proficiency.
4. One Critical Approaches course (COLL-C 103, COLL-C 104, or approved equivalents).
5. One Public Oral Communication course.
6. Arts and Humanities, two courses (could include COLL-C 103 or equivalent from number 4 above).
7. Social and Historical Studies, two courses (could include COLL-C 104 or equivalent from number 4 above).
8. Natural and Mathematical Sciences, fulfilled by major requirements.

### Major Requirements

Students must complete the following courses:

#### 1. Introductory courses:

- PSY-P 101 or PSY-P 106 or PSY-P 155
- PSY-P 346 (or P326)
- BIOL-L 112 or BIOL-H 111
- CHEM-C 117-C127, C341 (or R340), and C343

- PHYS-P 201 and P202 (or P221 and P222)

#### 2. Mathematics courses:

- MATH-M 211 (or both M119 and M120)
- PSY-K 300 or K310 or a substitute approved by the undergraduate advisor

#### 3. Basic non-neuroscience courses: Select three courses from CSCI-A 321, CHEM-C 342, BIOL-L 211, BIOL-L 311, BIOL-L 312, MATH-M 212, MATH-M 301, or MATH-M 303.

#### 4. Advanced neuroscience courses: Select four courses from PSY-P 337, P349, P406, P407, P409, P410, P411, P423, P437, P441, P453, P456, P457 (any topic with P326 or P346 as a prerequisite), P466, P467, P469, P470, or BIOL-L 410 (Approved topic: Brain Behavior and Evolution), or PHYS-P 317.

#### 5. Laboratory courses: Select one from PSY-P 426, PSY-P 433, PSY-P 472, PSY-P 473, or an approved neuroscience laboratory using an appropriate departmental research course for enrollment such as: PSY-P 493, PSY-P 494, PSY-P 499, BIOL-L 490, CHEM-C 409, PHYS-S 406, SPHS-S 480.

**Note:** All attempts in courses that could potentially meet Neuroscience major requirements are considered to be part of the Neuroscience major GPA. All such courses that meet the minimum grade of C– will count toward the minimum hours in the major, and when applicable, toward 300-400 level credit hours and/or the residency requirement.

## Interdepartmental Major in Psychology and Speech and Hearing Sciences

### Required Courses

Students must complete a minimum of 40 credit hours, including at least 12 credit hours at or above the 300 level in psychology, and at least 12 credit hours at or above the 300 level in speech and hearing sciences.

Students must also complete the degree requirements for the B.A. in the College of Arts and Sciences.

### Psychology

#### 1. One of the following entry-level sequences:

- P155, P199, and P211 **or**
- P101, P102, P199, and P211 or SPHS-S 311

(Note: P299 may be substituted for P199 in any of the sequences above.)

#### 2. PSY-K 300 **or** K310 **or** a substitute approved by the undergraduate advisor.

#### 3. 3 credit hours from P303, P325, P326, P327, P329, P330, P335, P337, P346, P349, P350, P357 (depending on topic), P402 (depending on topic), P405, P407, P410, P411, P413, P416, P417, P423, P437, P438, P444, P459, P461.

#### 4. 3 credit hours from P304, P315, P316, P319, P320, P323, P324, P336, P357 (depending on topic), P375, P402 (depending on topic), P425, P430, P434, P442, P446, P447, P448.

5. Advanced laboratory: one from P421, P424, P426, P429, P435, P436, P493, P494, P495, or P499. (Another 400-level PSY course may be substituted for this requirement by permission of the undergraduate advisor.)
6. One additional course in psychology numbered 300 or above.

### **Speech and Hearing Sciences**

1. S111.
2. S275, S333.
3. S201 or S375.
4. At least three courses from S307, S420, S436, S444, S445, S473, S475, S478.

### **Other Requirements**

The following courses must be completed with a minimum grade of C–:

1. Mathematics M118, or M119, or M120, or a 200-level mathematics course, or the equivalent.
2. A one-semester course in biology.
3. Linguistics L103 or L203.

## **Minor in Psychology**

### **Required Courses**

Students must complete 15 College of Arts and Sciences credit hours including:

1. P155 or both P101 and P102.
2. Psychology K300 or K310 or another approved College statistics course.
3. Any two additional courses in psychology at the 300 or 400 level.
4. In addition, students must complete mathematics M118, or M119, or a 200-level mathematics course, or the equivalent with a minimum grade of C–.
5. At least 9 credit hours of course work for the minor must be completed at the 300–400 level.

All courses must be completed with a C– or higher, and minor courses must average a minimum of 2.000 overall to earn a minor.

Students whose major department requires a minor should consult with their advisor about additional or other requirements.

The residence requirement of at least 9 credit hours in the minor at Bloomington must be met.

## **Neuroscience Certificate**

### **Purpose**

A student may earn a certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. Through course work and lab experiences in this interdisciplinary certificate program, students will develop an in-depth understanding in neuroscience, from the cellular and molecular bases of nervous system function, to a systems-level approach to the study of brain-behavior relationships.

### **Required Courses**

Students must complete a minimum of nine courses (three required basic courses, three advanced neuroscience courses, two labs, one elective) for a minimum total of 24 credit hours. Students must complete each course required for the certificate with a grade of C– or higher,

with an overall GPA of 2.000 for all certificate courses. Students completing a major in Neuroscience are not eligible to complete this certificate.

### **Required Basic Courses**

Complete all three:

1. PSY-P 101 **or** P106 **or** P155
2. PSY-P 346 (**or** P326)
3. BIOL-L 112 or H 112

### **Advanced Neuroscience Courses**

Complete any three courses from the following:

- PSY-P 337, P349, P406, P407, P409, P410, P411, P423, P437, P441, P444, P453, P457 (any topic with P326 or P346 as a prerequisite), P466, P467, P469, P470
- BIOL-L 410 (approved seminars)
- PHYS-P 317

### **Lab Courses**

Any two of the following: PSY-P 426, P433, P472, P473, an approved lab experience with enrollment in an appropriate departmental research course such as PSY-P 493 or P494 or P499, BIOL-L 490, CHEM-C 409, PHYS-S 406, SPHS-S 480.

### **Elective Courses**

Any one from the options below. Note that some of the elective courses have prerequisites that are not included in the "Required Basic Courses" listed above.

- ANAT-A 464
- BIOL-L 111, L211, L311, L312, L317, L321, L331, P451, Z466
- CHEM-C 101-C121, C102-C122, C103, C117-C127, C118, C341, C342, C343, C344, C483, C485
- PHSL-P 416 or P417
- PSY-P 303 or P329

## **Departmental Honors Program**

The department offers several special courses for outstanding students. P106 is an intensive introductory course. Special courses, P402 and P499, for more advanced students, provide increasing involvement in special problems and research programs, terminating with an independent research project and an honors thesis.

Application for admission to the honors program may be made during the sophomore or junior year. To earn the psychology or neuroscience honors degree, the student must complete P499, including an independent laboratory research project and thesis. We recommend students begin this project no later than spring of their junior year in order to allow adequate time for completion before graduation. Students interested in the honors program should request further information from the departmental advisors.

### **Overseas Study**

Students are encouraged to study abroad, particularly in Indiana University overseas study programs, where they can continue to make progress toward their degrees and usually apply financial aid to program fees. For information about study abroad, contact the Office of Overseas Study, Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304 ([www.indiana.edu/~overseas](http://www.indiana.edu/~overseas)).

## Course Descriptions

**PSY-P 101 Introductory Psychology I (3 cr.) CASE N&M** Introduction to psychology; its methods, data, and theoretical interpretations in areas of learning, sensory psychology, and psychophysiology. Equivalent to IUPUI B105 and P151. Credit given for only one of P101, or P151, or P106. I Sem., II Sem., SS.

**PSY-P 102 Introductory Psychology II (3 cr.) CASE S&H** P: P101 or P151. Continuation of P101. Developmental, social, personality, and abnormal psychology. Equivalent to IUPUI B104 and P152. Credit given for only one of P102, P152, or P106. I Sem., II Sem., SS.

**PSY-P 155 Introduction to Psychological and Brain Sciences (3 cr.) CASE N&M** An introduction to psychological and brain sciences for psychology majors. Introduces students to the history of psychology and its place in science, to the experimental method, and to the broad range of topics studied by psychological scientists. Credit given for only one of P101, P106, P151, or P155.

**PSY-P 199 Career Planning for Psychology Majors (1 cr.)** P: P155, or P101 and P102, or P151 and P152 (P152 can be taken concurrently with P199). Intended for psychology majors only. Where do you want to be 10 years from now? How can you get there? Information for undergraduate majors to help them intelligently organize their undergraduate studies. Information about what psychologists do, professional and practical issues in career choice, course selection, intern/research experience, and planning a course of study.

**PSY-P 211 Methods of Experimental Psychology (3 cr.) CASE N&M** P: P155 or P101 or P106 or P151. Design and execution of simple experiments, treatment of results, search of the literature, and preparation of experimental reports. I Sem., II Sem., SS.

**PSY-P 299 Sophomore Honors Seminar (3 cr.)** P: Approval of department honors committee or consent of instructor. Introduction to faculty laboratory research. Discussion of selected topics in psychology.

**PSY-K 300 Statistical Techniques (3 cr.) CASE N&M** P: MATH M118 or M119. Introduction to statistics; nature of statistical data; ordering and manipulation of data; measures of central tendency and dispersion; elementary probability. Concepts of statistical inference and decision: estimation and hypothesis testing. Special topics include regression and correlation, analysis of variance, non-parametric methods. Credit given for only one of K300 or K310, ANTH A306, CJUS K300, ECON E370 or S370, MATH K300 or K310, POLS Y395, SOC S371, STAT K310 or S300 or S301, or SPEA K300. I Sem., II Sem., SS.

**PSY-P 303 Health Psychology (3 cr.) CASE N&M** P: P155, or P101 and P102, or P151 and P152. Focuses on the role of psychological factors in health and illness. Through readings, lecture, and discussion, students will become better consumers of research on behavior-health interactions and develop a broad base of knowledge concerning how behaviors and other psychological factors can affect health both positively and negatively.

**PSY-P 304 Social Psychology and Individual Differences (3 cr.) CASE S&H** P: P101 or P106 or P151 or P155 or equivalent. A foundations course illustrating how psychological questions and problems can be addressed from the social, group, and individual differences level of analysis. Credit given for only one of P304 or P320.

**PSY-K 310 Statistical Techniques (3 cr.) CASE N&M** P: MATH M119 or equivalent. Introduction to probability and statistics; elementary probability theory, conditional probability, independence, random variables, discrete and continuous probability distributions, measures of central tendency and dispersion. Covers concepts of statistical inference and decision; estimation and hypothesis testing; Bayesian inference; and statistical decision theory. Special topics include regression and correlation, time series, analysis of variance, non-parametric methods. Credit given for only one of K310 or K300, ANTH A306, CJUS K300, ECON E370 or S370, MATH K300 or K310, POLS Y395, SOC S371, STAT K310 or S300 or S301, or SPEA K300. I Sem., II Sem., SS.

**PSY-P 315 Developmental Psychology (3 cr.) CASE S&H** P: P155, or P101 and P102, or P106, or P151 and P152. An introduction to how and why behavior changes over time. The theories and methods used to study behavioral change in both human and nonhuman models. Topics include development in perception, movement, language, cognition, and social/emotional behavior. I Sem., II Sem., SS.

**PSY-P 316 Psychology of Childhood and Adolescence (3 cr.) CASE S&H** P: P155, or P101 and P102, or P151 and P152, or P106. Development of behavior in infancy, childhood, and youth; factors that influence behavior. I Sem., II Sem., SS.

**PSY-P 319 Psychology of Personality (3 cr.) CASE S&H** P: P155, or P101 and P102, or P151 and P152, or P106. Methods and results of scientific study of personality. Basic concepts of personality traits and their measurements, developmental influences, and problems of integration. I Sem., II Sem., SS.

**PSY-P 320 Social Psychology (3 cr.) CASE S&H** P: P155, or P101 and P102, or P151 and P152, or P106. Principles of scientific psychology applied to the individual in social situations. Credit given for only one of P304 or P320. I Sem., II Sem., SS.

**PSY-P 323 Industrial/Organizational Psychology (3 cr.) CASE S&H** P: P155, or P101 and P102, or P151 and P152, or P106. The application of psychological data and theory to the behavior of individuals within organizational settings. Special emphasis on critical assessment of applied techniques.

**PSY-P 324 Abnormal Psychology (3 cr.) CASE S&H** P: P155, or P101 and P102, or P151 and P152, or P106. A first course in abnormal psychology with emphasis on forms of abnormal behavior, etiology, development, interpretation, and final manifestations. I Sem., II Sem., SS.

**PSY-P 325 Psychology of Learning (3 cr.) CASE N&M** P: P155, or P101 and P102, or P151 and P152, or P106. Facts and principles of animal and human learning, especially as treated in theories attempting to provide

frameworks for understanding what learning is and how it takes place. I Sem., II Sem., SS.

**PSY-P 326 Behavioral Neuroscience (3 cr.)** P: P155, or P101, or P151, or P106 and one of the following: BIOL L100, L111, L112, A215, P215, or equivalent. An examination of the cellular bases of behavior, emphasizing contemporary views and approaches to the study of the nervous system. Neural structure, function, and organization are considered in relation to sensory and motor function, motivation, learning, and other basic behaviors. Credit given for only one of P326 or P346.

**PSY-P 327 Psychology of Motivation (3 cr.) CASE N&M** P: P155, or P101 and P102, or P151 and P152, or P106. R: P211. How needs, desires, and incentives influence behavior; research on motivational processes in human and animal behavior, including ways in which motives change and develop. I Sem., II Sem.

**PSY-P 329 Sensation and Perception (3 cr.) CASE N&M** P: P155 or P101 or P151 or P106. R: MATH M026 or M119 or introductory physics. Basic data, theories, psychophysics, illusions, and other topics fundamental to understanding sensory and perceptual processes. I Sem., II Sem.

**PSY-P 330 Perception/Action (3 cr.) CASE N&M** P: P155 or P101 or P151 or P106. Roboticists know that actions like catching a fly ball are exceedingly complex, yet people perform them effortlessly. How perceptual information is generated by and used in guiding such actions is covered, as are issues of motor coordination and control. Classes include laboratories on analysis of optic flow and limb movements. Credit given for only one of PSY-P 330 or COGS-Q 330.

**PSY-P 335 Cognitive Psychology (3 cr.) CASE N&M** P: P101 or P106 or P151 or P155. Introduction to human cognitive processes, including attention and perception, memory, psycholinguistics, problem solving, and thinking. I Sem., II Sem., SS.

**PSY-P 336 Psychological Tests and Individual Differences (3 cr.) CASE N&M** P: P155, or P101 and P102, or P151 and P152, or P106; and K300 or K310. Principles of psychological testing. Representative tests and their uses for evaluation and prediction. Emphasis on concepts of reliability, validity, standardization, norms, and item analysis.

**PSY-P 337 Clinical Neuroscience (3 cr.)** P: P326 or P346. Psychological disorders such as depression and autism exact a huge toll in human suffering and social costs. This course surveys the role of disturbed neural mechanisms on the development of psychological disorders. Methods for investigating the relationship between a disorder and proposed mechanisms will be critically evaluated.

**PSY-P 346 Neuroscience (3 cr.)** P: P155, or P101, P106, or P151 or equivalent. A survey of contemporary neuroscience, examining the neural basis of behavior with approaches including molecular, cellular, developmental, cognitive, and behavioral neuroscience. Sensory and motor function, learning and memory, and other behaviors are considered using anatomical, physiological, behavioral, biochemical, and genetic approaches,

providing a balanced view of neuroscience. Credit given for only one of P346 or P326.

**PSY-P 347 Science of Human Sexuality (3 cr.)** R: P101-P102 or P155. A critical evaluation of scientific literature that investigates human sexuality. A specific topic is chosen to research from a psychological, biological, sociological, and a combined perspective. Provides insight into the processes of critical evaluation, the synthesis of scientific literature and multiple topics in human sexuality.

**PSY-P 349 Cognitive Neuroscience (3 cr.)** P: P326 or P346. An overview of the field of cognitive neuroscience. The neural basis of cognition is studied by considering the impact of neuropsychological case studies, neuroimaging (ERP and fMRI), and behavioral investigations on our understanding of sensory-motor systems, learning, memory, emotion, and spatial behavior.

**PSY-P 350 Human Factors/Ergonomics (3 cr.) CASE N&M** P: P155 or P101 or P151 or P106. Theories and data of experimental psychology applied to the problems of the interaction of people and technology.

**PSY-P 351 Psychobiology, Self, and Society (3 cr.) CASE N&M** P: P155 or P101 or P106 or P151, or permission of instructor. The physiological and neural bases of selected behavioral processes (for example, hunger, thirst, sleep, addiction, aggression, sex) will be examined as a means of understanding individual behavior and then in relation to larger, related issues of ethics, law, and societal organization.

**PSY-P 356 Teaching Internship (2 cr.)** P: Undergraduate major in Psychological and Brain Sciences; minimum grade point average of 3.500 in psychology; and permission of the instructor. Supervised experience in assisting in an undergraduate course. Discussion of good teaching practices. Students will complete a project related to the aims of the course in which they are assisting. S/F grading.

**PSY-P 357 Topics in Psychology (3 cr.)** P: P101 or P106 or P151 or P155 or equivalent. Introduction to fundamental issues, integrative approaches, and real-world applications of psychology. Examples include investigating a topic from a developmental, cognitive, individual difference, and neuroscience perspective; or addiction from a clinical, developmental, social, and neuroscience point of view.

**PSY-P 375 Intimate Relationships (3 cr.)** P: P155 or P102 or P152. Focuses on the social psychology of relationships, including marriage, divorce, human sexuality, jealousy, communication, and friendships.

**PSY-P 402 Honors Seminar (3 cr.)** P: Approval of departmental honors committee or consent of instructor. Students may enroll in one of several seminars led by various instructors. May be repeated with different topics for a maximum of 6 credit hours

**PSY-P 404 Computer and Statistical Models in Psychology (3 cr.)** P: K300 or K310. This laboratory course provides an introduction to elementary mathematical, statistical, and computer models in psychology. Students learn to use computer spreadsheet packages to program formal models and to apply the

models to analyze data obtained in psychological experiments.

**PSY-P 405 Elementary Mathematical Psychology (3 cr.)** CASE N&M P: P155 or P101 or P151 or P106; MATH M118 and M119. R: MATH M360. Survey of mathematically oriented psychological theories and their applications to learning, perception, psychophysics, decision making, small groups, etc.

**PSY-P 406 Developmental Cognitive Neuroscience (3 cr.)** P: P346. Provides an overview of the field of developmental cognitive neuroscience, the study of the relation among human brain function, development, and behavior. Critically examines recent research that applies an integration of neurobiological and psychological perspectives to the study of typical and atypical cognitive development.

**PSY-P 407 Drugs and the Nervous System (3 cr.)** P: P326 or P346. Introduction to the major psychoactive drugs and how they act upon the brain to influence behavior. Discussion of the role of drugs as therapeutic agents for various clinical disorders and as probes to provide insight into brain function.

**PSY-P 409 Neural Bases of Sensory Function (3 cr.)** P: P326 or P346. Detailed description of the neural systems responsible for vision, touch, hearing, taste, smell, and balance. Similarities and differences in the strategies employed by these systems will be stressed.

**PSY-P 410 Development of the Brain and Behavior (3 cr.)** P: P326 or P346. Examination of the interaction of the developing brain with the behavior it mediates. Cellular systems and organismal levels of analysis will all be considered in the organization of structure function relationships in the neural basis of behavior.

**PSY-P 411 Neural Bases of Learning and Memory (3 cr.)** P: P326 or P346. Comprehensive survey of theories and data concerned with neural correlates of associative and non-associative forms of learning and memory. Vertebrate and invertebrate model systems and preparations as well as data obtained from the human neuropsychology literature will be studied.

**PSY-P 413 Operant and Pavlovian Conditioning (3 cr.)** P: P325 or consent of instructor. Advanced treatment of the history, basic concepts, theory, and experimental literature of contemporary learning. The focus is on the behavior of nonhuman species.

**PSY-P 416 Evolution and Ecology of Learning (3 cr.)** P: P325, P417, or consent of instructor. Advanced treatment of history, basic concepts, theories, and experimental literature examining the relation of learning and evolution. Compares ethological, comparative, and general process approaches.

**PSY-P 417 Animal Behavior (3 cr.)** CASE N&M P: P155, or P101, or P151, or P106. Methods, findings, and interpretations of recent investigations of animal behavior.

**PSY-P 421 Laboratory in Social Psychology (3 cr.)** P: P155, or P151 and P152, or P101 and P102, or P106; P211; K300 or K310, and P320 or P304. Research methodology in the study of social behavior. I Sem., II Sem., SS.

**PSY-P 423 Human Neuropsychology (3 cr.)** P: P326 or P346 or equivalent. A critical examination of neurological functioning with respect to human and other animal behavior. Assesses the behavioral functions of neural structures and systems through understanding the behavioral consequences of brain damage and through basic experimental study.

**PSY-P 424 Laboratory in Sensation and Perception (3 cr.)** P: P155, or P151 and P152, or P101 and P102, or P106; P211; K300 or K310, and P329. The experimental investigation of current and classical problems in sensory psychology and perception.

**PSY-P 425 Behavior Disorders of Childhood and Adolescence (3 cr.)** P: P155, or P101 and P102, or P151 and P152, or P106, and P324. A survey of major behavior disorders, with emphasis on empirical research and clinical description relative to etiology, assessment, prognosis, and treatment.

**PSY-P 426 Laboratory in Behavioral Neuroscience (3 cr.)** P: P155, or P151 and P152, or P101 and P102, or P106; P211; K300 or K310; and P326 or P346. Experiments with and demonstrations of contemporary approaches in behavioral neuroscience. I Sem., II Sem.

**PSY-P 429 Laboratory in Developmental Psychology (3 cr.)** P: P155, or P151 and P152, or P101 and P102, or P106; P211; K300 or K310; and P315 or P316. Research methods in developmental psychology and their application to selected problems in the development of humans and of nonhuman species.

**PSY-P 430 Behavior Modification (3 cr.)** P: P324 and P325 or consent of instructor. Principles, techniques, and applications of behavior modification, including reinforcement, aversive conditioning, observational learning, desensitization, self-control, and modification of cognitions.

**PSY-P 433 Laboratory in Neuroimaging Methods (4 cr.)** P: P211 or P106; P326 or P346; K300 or acceptable substitute. Laboratory experience in all facets of a neuroimaging experiment, including experimental design, data acquisition, data analysis, data interpretation, and data presentation. Introductory magnetic resonance (MR) physics and the physiology of blood oxygen-level dependent (BOLD) changes are included.

**PSY-P 434 Community Psychology (3 cr.)** P: P155, or P101 and P102, or P151 and P152, or P106; junior or senior standing. R: P324. An ecological orientation to the problems of mental health, social adaptation, and community change.

**PSY-P 435 Laboratory in Human Learning and Cognition (3 cr.)** P: P155, or P151 and P152, or P101 and P102, or P106; P211; K300 or K310; and P325 or P335. Experimental study of human learning and cognitive processes. I Sem., II Sem.

**PSY-P 436 Laboratory in Animal Learning and Motivation (3 cr.)** P: P155, or P151 and P152, or P101 and P102, or P106; P211; K300 or K310; and P325 or P327. Experimental studies of animal learning and motivation.

**PSY-P 437 Neurobiology of Addictions (3 cr.)** CASE N&M P: P101 or P106 or P155, and P346, and two

biology courses (e.g., L112, L211). (Concurrent enrollment in P346 and biology courses only with permission of the instructor.) Provides an in-depth look at the neurobiological bases of addictions, from the cellular, molecular, and systems neuroscience levels of analysis.

**PSY-P 438 Language and Cognition (3 cr.) CASE N&M** P: P155, or P101 and P102, or P151 and P152, or P106. R: P335. Methods, research, and theory in psycholinguistics. Examination of speech perception, speech production, psychological studies of syntax and semantics, language development, cognitive basis of linguistic theory, neurology of language, and language comprehension and thought.

**PSY-P 440 Topics in Cognitive Psychology (3 cr.)** P: P335. A critical examination of an area within cognitive psychology. Topics will vary by semester but could include attention, memory, categorization, imagery, language, thinking, problem solving, or decision making.

**PSY-P 441 Neuropsychology of Language (3 cr.)** P: P346 or P335 or P326. Introduction to the neuroscience of language comprehension, including the basic neuroanatomy of the language system and levels of processing from single word to discourse level. Discussion of such language disorders as dyslexia and aphasia.

**PSY-P 442 Infant Development (3 cr.)** P: P315 or P316. Surveys cognitive, socio-emotional, and perceptual motor development during the first two years of life. Emphasis is on theory and research addressing fundamental questions about the developmental process, especially the biological bases for developmental change.

**PSY-P 443 Cognitive Development (3 cr.)** P: P315 or P316. Human cognitive development. Topics may include language, problem solving, conceptual growth, perception, and cultural influences.

**PSY-P 444 Developmental Psychobiology (3 cr.)** P: P315 or P316. R: P326 or P346. Survey of phylogenetic and ontogenetic principles from a comparative perspective. Focuses on a broad biological approach to organic and social development.

**PSY-P 446 Group Processes (3 cr.)** P: P320 or P304. Social psychological theory and research on the behavior of individuals in groups covering major topics such as group formation and cohesiveness, group performance and decision making, social influence processes in groups, and intragroup and intergroup conflict.

**PSY-P 447 Social Influence Processes (3 cr.)** P: P320 or P304. An advanced review of the theoretical and empirical literature in experimental social psychology concerning social influence processes and effects. Topics to be covered include attitude formation and change, persuasion, conformity, compliance, and behavior change.

**PSY-P 448 Social Judgment and Person Perception (3 cr.)** P: P320 or P304. Judgments, decisions, and perceptions of a social nature include self-knowledge, judgments of causality, biases and errors of social judgment such as stereotyping, and the relation of thinking and feeling. Principles will be considered in the context of applied areas such as law and psychotherapy.

**PSY-P 449 Social Psychology of Public Opinion (3 cr.)** P: P320 or P304. Describes the methods of public

opinion research, empowering students to become informed consumers of poll results. Covers basic social psychological processes that shape opinions, such as people's self-interest, group memberships, personal experiences, and conformity. Homework involves analysis and interpretation of data from recent surveys on social and political attitudes.

**PSY-P 452 Psychology in the Business Environment (3 cr.)** P: P101, P102 or P106 or P155, and one additional 300-level course in psychology. R: P304 or P320. The application of psychological methods and theory to business settings including marketing, human resources, consulting, and human factors.

**PSY-P 453 Decision-making and the Brain (3 cr.)** P: P326 or P335 or P346. An exploration of how individuals make decisions and what different parts of the brain contribute to decision-making. Focuses on the cognitive psychology of decision-making and on exciting recent advances in the cognitive neuroscience of decision-making, including the new field of neuroeconomics.

**PSY-P 455 The Role of Psychology in Legal Doctrine (3 cr.) CASE S&H** P: P320 or P304. What does psychology theory and research have to offer the law? Explores several important ways in which psychology theory and research can be helpful in making legal decisions and in formulating legal doctrine and policy.

**PSY-P 456 Reproductive Neuroscience (3 cr.)** P: P346 with a grade of B or higher. R: A biology course at the 300-400 level. Recent and historical literature in the field of reproductive neuroscience. Includes information about sexual differentiation of the brain during development and puberty, sexual differentiation of the neurophysiology of the reproductive tract, decision making in sexual context, and human studies of sexuality. Develops skills to critically evaluate basic scientific literature and develop presentations.

**PSY-P 457 Topics in Psychology (1-3 cr.)** P: Prerequisites vary according to the topics offered and are specified in the *Schedule of Classes* each term. Studies in special topics not ordinarily covered in other departmental courses. Topics vary with instructor and semester. May be repeated with a different topic for a maximum of 12 credit hours.

**PSY-P 459 History and Systems of Psychology (3 cr.)** P: P155, or P101 and P102, or P151 and P152, or P106; and 6 additional credit hours in psychology. Historical background and critical evaluation of major theoretical systems of modern psychology: structuralism, associationism, behaviorism, Gestalt psychology, and psychoanalysis. Methodological problems of theory construction and system making. Emphasizes integration of recent trends.

**PSY-P 460 The Psychology of Women (3 cr.) CASE S&H** P: P101 and P102, or P155, or P106; and 3 additional credit hours in psychology. Focus is on a wide range of psychological issues of importance to women (e.g., gender stereotypes, women and work, the victimization of women, etc.).

**PSY-P 461 Human Memory (3 cr.) CASE N&M** P: P155, or P101 and P102, or P106; K300 and P335. Research, theory, and data on human memory and information-

processing models of memory. Credit given for only one of P461 or P340.

**PSY-P 464 Embodied Cognition and Ecological Psychology (3 cr.)** P: One course from P329, P330 or P335; or permission of the instructor. Proponents of "embodied cognition" argue that embodiment should be part of the solution to problems of cognition, perception, and action. J.J. Gibson argued similarly in his *The Ecological Approach to Visual Perception*, but embodied cognition is not ecological psychology. The course addresses ecological and embodied approaches to psychology, their differences and similarities

**PSY-P 466 Molecular and Cellular Neurobiology (3 cr.)**

**CASE N&M** P: P326 or P346. Introduction to the cellular and molecular processes that give the nervous system its unique character. Covers the cell biology of neurons and glia and mechanisms of synaptic plasticity. Examines the genetic and molecular approaches to the biological basis for higher brain functions such as learning and memory.

**PSY-P 467 Diseases of the Nervous System (3 cr.)**

P: P346 and P466. Provides insights into some of the diseases that affect the nervous system from a cellular and molecular perspective. Studies the pathological processes affecting neurons and glia that underlie their malfunction or death. Explores in depth some neurodegenerative diseases including Alzheimer's disease, Parkinson's disease, and mental illnesses such as schizophrenia and dementia. Also explores experimental approaches to uncover the molecular basis of some of the diseases.

**PSY-P 469 Stress Effects on Brain and Behavior (3 cr.)**

P: P326 or P346. This seminar examines the neurobiology of stress effects on cognition, psychopathology, and health, from the cellular to the systems level. Through readings from primary literature, discussions, and lectures, students will develop a base of knowledge and think critically about the neural and behavioral effects of stress.

**PSY-P 470 Molecular Methods in Neuroscience**

**Research (3 cr.)** P: P326 or P346. In-depth discussion of primary research papers used to introduce neuroscience-oriented students to classical and contemporary techniques used in cellular and molecular research.

**PSY-P 472 Laboratory in Brain Electrical Activity**

**(3 cr.)** P: K300 and P346. Surveys the principles/practice of human brain electrical activity recording techniques used in research and in the clinic, including electroencephalography (EEG) and event related potentials (ERPs). Primarily hands-on lab learning, small group recording practice and subsequent data analysis, supplemented by lectures, seminars, discussions and demonstrations.

**PSY-P 473 Laboratory in Molecular Neuroscience**

**(3 cr.)** P: P346 or consent of instructor. Laboratory course designed to provide the advanced undergraduate with training in molecular techniques useful for studying the nervous system. Techniques will include PCR, subcloning, bacterial transformation, mammalian cell transfection, working with fluorescent proteins, RNA interference, Western blotting and sectioning/staining brain tissues.

**PSY-P 474 Psychology of Adolescent Girls (3 cr.)**

P: PSY-P 211 and PSY-P 315, or consent of instructor.

Examination of the development and psychological changes in girls as they progress through adolescence. Through readings from primary literature, discussions, lectures, and application in a service-learning setting, students will develop a base of knowledge, think critically about the issues, and apply this knowledge in a community setting. If offered as a non-service learning course, a project or paper will be assigned in place of community service.

**PSY-P 475 Evidence-based Clinical Science (3 cr.)**

P: P324. R: P211. Considers challenges of clinical practice, analyzes the impact of pseudoscience, investigates the limitations of clinical judgment, evaluates the criteria used to classify empirically supported treatments, and examines current clinical assessment and intervention practices. Topics include the development, implementation, and evaluation of empirically-supported psychological interventions and their effectiveness for treating major psychological disorders.

**PSY-P 478 Stereotyping, Prejudice, and Discrimination**

**(3 cr.)** P: PSY P304, P211 and PSY-K 300. This advanced seminar consists primarily of discussion of recently published journal articles on stereotyping and prejudice. Discussion topics include why people stereotype; how stereotypes and prejudice affect both targets and perceivers; how people might overcome the pernicious effects of stereotypes, prejudice, and discrimination.

**PSY-P 493 Supervised Research I (2-3 cr.)** P: P155, or

P151 and P152, or P101 and P102, or P106; P211; K300 or K310. Active participation in research. An independent experiment of modest magnitude, participation in ongoing research in a single laboratory. Students who enroll in P493 will be expected to enroll in P494. May be repeated once for a maximum of 6 credit hours. I Sem., II Sem.

**PSY-P 494 Supervised Research II (2-3 cr.)** P: P493. A continuation of P493. Course will include a journal report of the two semesters of work. May be repeated once for a maximum of 6 credit hours. I Sem., II Sem.

**PSY-P 495 Readings and Research in Psychology**

**(1-3 cr.)** P: Written consent of instructor, junior or senior standing. May be repeated for a maximum of 9 credit hours.

**PSY-P 499 Honors Thesis Research (1-12 cr.)**

P: Approval of departmental honors committee. May be substituted for advanced laboratory requirement or, given the permission of the departmental honors committee, for certain other requirements in the program for majors. May be repeated for a maximum of 12 credit hours. I Sem., II Sem.

## Religious Studies

### Introduction

The Department of Religious Studies (REL) offers students an opportunity to explore and understand the religious traditions of the world, as well as to study expressions of religious life and thought that may not fall within traditional patterns. The program teaches a variety of approaches to the academic study of religion and religion's intersections with other aspects of human society and culture. The department provides a major and

minor and serves the academic interests of nonmajors who want introductory courses in religious studies or advanced courses coordinated with their special interests.

### Contact Information

Department of Religious Studies  
Indiana University  
Sycamore Hall 230  
Bloomington, IN 47405-7005

(812) 855-3531  
[religion@indiana.edu](mailto:religion@indiana.edu)

<http://indiana.edu/~relstud>

### Faculty

#### Chairperson

- Winnifred Fallers Sullivan

#### Associate Chairperson

- Constance Furey

#### Jay and Jeanie Schottenstein Chair in Jewish Studies

- Shaul Magid

#### Professors

- Candy Gunther Brown
- David Haberman
- Winnifred Fallers Sullivan

#### Associate Professors

- Constance Furey
- R. Kevin Jaques
- Rebecca Manring
- Richard Nance
- Jeremy Schott
- Stephen Selka
- Lisa Sideris
- Aaron Stalnaker

#### Assistant Professors

- Heather Blair
- M. Cooper Harriss
- Nur Amali Ibrahim
- Sarah Imhoff
- Michael Ing
- Patrick Michelson
- Jason Mokhtarian
- Eva Mroczek
- Sonia Velázquez

#### Professors Emeriti

- James Ackerman
- James Hart
- Gerald Larson
- David Smith
- Stephen J. Stein (Chancellor's Professor)
- Mary Jo Weaver

#### Director of Graduate Studies

- Aaron Stalnaker

#### Director of Undergraduate Studies

- Richard Nance

### Academic Advising

- [mnuznov@indiana.edu](mailto:mnuznov@indiana.edu), Memorial E. M25, 855-6270.  
For more information, please check the [College Undergraduate Advisors List](#).

### Major in Religious Studies

#### Required Courses

Single and double majors must complete a total of 30 credit hours including the following:

1. One course in Area A (Africa, Europe, and West Asia) above the 100 level.
2. One course in Area B (South and East Asia) above the 100 level.
3. One course in Area C (The Americas) above the 100 level.
4. One course in Area D (Theory, Ethics, Comparison) above the 100 level.
5. R389 (Majors Seminar in Religion).
6. At least five additional courses (15 credit hours) at the 300 level or above, including at least one course at the 400 level (other than R494, R495, R496, and R499).

A maximum of two 100-level courses may count towards the major, one of which may be a Critical Approaches to the Arts and Humanities (COLL-C 103) course with departmental approval. Six credit hours in courses outside Religious Studies may count towards the major with departmental approval. With approval of both departments and the College, one course may be cross-listed in a double major.

Students must complete the degree requirements of the College of Arts and Sciences.

#### Related Language

Six credit hours in a language beyond the general requirements of the College of Arts and Sciences may be counted in the major if the language is relevant for advanced course work in the study of religion. Examples of such languages are ancient Greek or Latin, classical Hebrew, Chinese, Arabic, Hindi, or Sanskrit.

### Departmental Honors Program

Students who major in Religious Studies and have a minimum overall grade point average of 3.300 are eligible for the honors program in religious studies. The honors program has two requirements as part of a major:

1. R399, a tutorial of independent reading and research.
2. R499, a senior essay project, or an appropriate equivalent.

Students should choose an area of study for R399 that prepares them for the R499 project. The department also offers R201, an honors proseminar in religion. It is open to all Religious Studies majors with a minimum grade point average of 3.300.

### Overseas Study

Students are encouraged to study abroad, particularly in Indiana University overseas study programs, where they can continue to make progress toward their degrees and apply financial aid to program fees. For information about study abroad, contact the [Office of Overseas Study](#) in the

Leo R. Dowling International Center, 111 South Jordan Avenue, (812) 855-9304.

## **Interdepartmental Major in Religious Studies and African American and African Diaspora Studies**

### **Required Courses**

Students must meet the following course requirements for a minimum total of 42 credit hours.

#### **Religious Studies**

1. At least 21 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours in courses at the 300 level or above.
2. At least one course above the 100 level from Area C (The Americas).
3. At least one course above the 100 level chosen from two of the remaining three areas: A (Africa, Europe, and West Asia), B (South and East Asia), D (Theory, Ethics, Comparison).
4. One course (3 credit hours) in Religious Studies at the 400 level (other than R494, R495, R496, and R499).
5. R389 Majors Seminar in Religion.

If a student chooses to take the Senior Honors Thesis course pair of R399-R499, the chosen topic may cross over Religious Studies and African American and African Diaspora Studies, although minimum credit hours in each area must still be met. A faculty mentor of the student's choice will be assigned, and graders from each department will read the final thesis. This requires an application and the approval of the director of undergraduate studies before authorization is granted to begin the project.

#### **African American and African Diaspora Studies**

At least 21 credit hours, of which at least 12 credit hours must be at the 300 level or above:

1. A150 Survey of the Culture of Black Americans.
2. A355 African American History I or A356 African American History II.
3. A379 Early Black American Writing **or** A380 Contemporary Black American Writing.
4. 9 additional credit hours taken from courses in any of the three concentration areas: (1) Arts, (2) Literature, or (3) History, Culture, and Social Issues. (Majors are strongly encouraged to take A363 Research on Contemporary African American Problems I when it is taught.)
5. Additional credit hours to reach the minimum of 21 credit hours to be chosen in consultation with advisor. These credit hours may include the Senior Seminar.

If a student chooses to take the Senior Honors Thesis of A499 or the course pair of R399-R499 in Religious Studies, the chosen topic may cross over African American and African Diaspora Studies and Religious Studies although minimum credit hours in each area must still be met. A faculty mentor of the student's choice will be assigned, and graders from each department will read the final thesis. This requires an application and the

approval of the director of undergraduate studies before authorization is granted to begin the project.

## **Interdepartmental Major in Religious Studies and Philosophy**

### **Required Courses**

Students must take a minimum of 42 credit hours, including one course (from either department) in the philosophy of religion (see advisors for eligible courses) and the following course work in each department. (See the Index for "Departments and Programs.")

#### **Religious Studies**

1. At least 21 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours in courses at the 300 level or above.
2. At least one course above the 100 level from Area D (Theory, Ethics, Comparison).
3. At least one course above the 100 level from two of the remaining three areas: A (Africa, Europe, and West Asia), B (South and East Asia), C (The Americas).
4. One course (3 credit hours) in Religious Studies at the 400 level (other than R494, R495, R496, and R499).
5. R389 Majors Seminar in Religion.

#### **Philosophy**

1. At least 21 credit hours, with no more than one 100-level course counting toward the minimum and with at least 12 credit hours in 300-level or above courses.
2. At least one course above the 100 level in each of the following areas: (a) Ethics and value theory, (b) History of philosophy, (c) Epistemology and metaphysics.
3. One of the following logic courses: P150 or P250.
4. One (3 credit hour) 400-level philosophy course.

## **Interdepartmental Honors Program in Religious Studies and Philosophy**

### **Required Courses**

Students with a minimum grade point average of 3.300 are eligible for the interdepartmental honors program in religious studies and philosophy, which culminates with a final honors thesis that combines notions from both disciplines. The honors program has the following additional requirement:

One of the following pairs of courses:

1. R399 Reading for Honors and R499 Senior Honors Essay or an appropriate equivalent (Religious Studies) **or**
2. P498 Senior Seminar and P499 Honors Thesis (Philosophy).

The choice of the pair depends on whether the student works with a religious studies or philosophy faculty member. The thesis will be judged by an honors committee that consists of members from both departments.

## Minor in Religious Studies

### Required Courses

1. A minimum of 15 College of Arts and Sciences credit hours in Religious Studies.
2. At least one course above the 100 level chosen from three of the four areas:
  - A (Africa, Europe, and West Asia)
  - B (South and East Asia)
  - C (The Americas)
  - D (Theory, Ethics, Comparison)
3. No more than two courses at the 100 level.
4. At least three courses (9 credit hours) must be completed at the 300 level or above.

## Course Descriptions

### Introductory Courses

**REL-R 102 Religion and Popular Culture (3 cr.) CASE A&H** How do religion and popular culture interact? Study of ordinary people making sense of their worlds through diverse media.

**REL-R 133 Introduction to Religion (3 cr.) CASE A&H** Introduction to the study of religion through analysis and reconsideration of the core question "What is religion?" Major theories of religion are assessed and applied to recent case studies.

**REL-R 152 Jews, Christians, Muslims (3 cr.) CASE A&H, CASE GCC** Patterns of religious life and thought in the West: continuities, changes, and contemporary issues.

**REL-R 153 Religions of Asia (3 cr.) CASE A&H, CASE GCC** Modes of thinking; views of the world and the sacred; the human predicament and paths to freedom; human ideas and value systems in the religions of India, China, and Japan.

**REL-R 160 Introduction to Religion in America (3 cr.) CASE A&H, CASE DUS** Introduction to religious traditions and practices that influenced American history and culture.

**REL-R 170 Religion, Ethics, and Public Life (3 cr.) CASE A&H** Western religious convictions and their consequences for judgments about personal and social morality, including such issues as sexual morality, medical ethics, questions of socioeconomic organization, and moral judgments about warfare.

### Area A—Africa, Europe, and West Asia

**REL-A 202 Issues in African, European, and West Asian Religions (3 cr.) CASE A&H** Selected issues and movements in African, European, and West Asian religions. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-A 210 Introduction to the Old Testament/Hebrew Bible (3 cr.) CASE A&H, CASE GCC** Development of the beliefs, practices, and institutions of ancient Israel from the patriarchs to the Maccabean period. Introduction to the biblical literature and other ancient Near East documents. Credit given for only one of A210 or R210.

**REL-A 220 Introduction to the New Testament (3 cr.) CASE A&H, CASE GCC** What is the "New Testament"? This introductory course considers both literary and

historical approaches to the literature of the New Testament, with particular emphasis on the Gospels and Pauline literature. Topics include the concept of "canon," the history of reception and interpretation, gender and sexuality in early Christian literatures, the Apocryphal Gospels, and relationships between early Judaism and early Christianity. Credit given for only one of A220 or R220.

**REL-A 230 Introduction to Judaism (3 cr.) CASE A&H, CASE GCC** The development of post-biblical Judaism; major themes, movements, practices, and values. Credit given for only one of A230, REL-R 245 or JSTU-J 230.

**REL-A 235 Sacred Books of the Jews (3 cr.) CASE A&H, CASE GCC** Explores the sacred texts of Judaism after the Bible. Considers how tradition works; how people created new religious knowledge after the Bible was canonized; why some texts are considered sacred, while others are not. Includes a variety of sacred texts, including Mishnah, Talmud, Midrash, and Kabbalah. Credit given for only one of A235 or JSTU-J 220.

**REL-A 250 Introduction to Christianity (3 cr.) CASE A&H, CASE GCC** Surveys history of Christianity from Jesus's healings and exorcisms in the first century up through the global expansion of diverse Christian communities in the modern world. Credit given for only one of A250 or R247.

**REL-A 270 Introduction to Islam (3 cr.) CASE A&H, CASE GCC** Introduction to the religious world of Islam: the Arabian milieu before Muhammad's prophetic call, the career of the Prophet. Qur'an and hadith, ritual and the pillars of Muslim praxis, legal, and theological traditions; mysticism and devotional piety, reform and revivalist movements. Credit given for only one of A270 or R257.

**REL-A 300 Studies in African, European, and West Asian Religions (3 cr.) CASE A&H** Selected topics and movements in African, European, and West Asian religions. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-A 305 Ancient Mediterranean Religions (3 cr.) CASE A&H, CASE GCC** A survey of the various religions in the ancient Near East (Egypt, Babylon, Persia) and the Greco-Roman worlds. Attention will be paid to ritual, philosophy, and community formation. Credit given for only one of A305 or R318.

**REL-A 315 Prophecy in Ancient Israel (3 cr.) CASE A&H, CASE GCC** The prophetic movement and its relationship to religious, social, and political traditions and institutions in the ancient Near East. The thought of major prophetic figures in Israel, such as Hosea, Isaiah, Jeremiah, Ezekiel. Credit given for only one of A315 or R310.

**REL-A 316 Jews, Christians, and Others in Late Antiquity (3 cr.) CASE A&H, CASE GCC** Explores the interactions and so-called parting of the ways between Jews, Christians, and other religious groups in Roman Palestine and Sasanian Persia from the first through seventh centuries C.E. Pays special attention to the portrayals of Christians in Jewish literature such as the Mishnah and Talmud. Credit given for only one of A316 or JSTU-J 316.

**REL-A 317 Judaism in the Making (3 cr.) CASE A&H, CASE GCC** The development of Jewish traditions from circa 400 BCE to 200 CE in their linguistic, geographical, and cultural diversity. Discusses emergence of scripture, apocalyptic traditions, place in Hellenistic and Roman cultures, relationship with early Christianity, and emergence of Judaism as a religion. Credit given for only one of A317 or JSTU-J 317.

**REL-A 318 Rabbinic Judaism: Literature and Beliefs (3 cr.) CASE A&H, CASE GCC** The rabbis of late antiquity were masters of the Bible who produced a corpus of writings in which they interpret holy scriptures. These writings, known as rabbinic literature, remain to this day the foundation of normative Jewish behavior and traditions. This course explores what these rabbis believed and how they interpreted the Bible. Credit given for only one of REL-A 318 or JSTU-J 320.

**REL-A 321 Paul and His Influence in Early Christianity (3 cr.) CASE A&H, CASE GCC** Life and thought of Paul in the context of first-century Christian and non-Christian movements. Development of radical Paulinism and anti-Paulinism in the second century; their influence on the formation of Christianity. Credit given for only one of A321 or R325.

**REL-A 325 Ancient Christianity: Constantine to Muhammad (3 cr.) CASE A&H, CASE GCC** The history and literature of Christianity from the late third century to the early seventh century. Topics include Christianity and the state, gender and sexuality, asceticism, monasticism, Christianity and culture. Credit given for only one of A325 or R327.

**REL-A 326 Early Christian Monasticism (3 cr.) CASE A&H, CASE GCC** The origins and development of varieties of the monastic life in ancient and early medieval Christianity; social forms of monastic groups, ascetic practices, types of spirituality. Credit given for only one of A326 or R323.

**REL-A 335 Introduction to Jewish Mysticism (3 cr.) CASE A&H, CASE GCC P:** Previous course in Judaism or consent of instructor. The development of Jewish mystical practice and thought from the Middle Ages to the present, thirteenth-century Spanish Kabbalah, sixteenth-century Safed, Sabbatianism, Hasidism, contemporary manifestations of mysticism. Credit given for only one of A335 or R341.

**REL-A 350 Christianity, 400–1500 (3 cr.) CASE A&H, CASE GCC** The history and literature of western Christianity during the Middle Ages. Credit given for only one of A350 or R330.

**REL-A 351 Christianity and Modernity (3 cr.) CASE A&H** The history and literature of western Christianity from the Reformation to the present. Credit given for only one of A351 or R331.

**REL-A 355 The Right Belief: History of Orthodox Christianity (3 cr.) CASE A&H, CASE GCC** Introduction to the doctrines, spirituality, and practice of Orthodox Christianity as expressed in various cultural and national contexts. Particular attention is paid to Orthodox asceticism, monasticism, parish life, theology, and religious rivalry within the confession.

**REL-A 375 Women in the Bible (3 cr.) CASE A&H**

Considers representations of women and the feminine in the Hebrew Bible, New Testament, and literature of early Judaism and Christianity. Explores how these texts have been interpreted in the history of Western culture, and how they continue to shape attitudes about women, gender, and sexuality in the contemporary world. Credit given for only one of A375 or JSTU-J 375.

**REL-A 380 Knowing the Will of God in Islam I: Law (3 cr.) CASE A&H**

Students gain understanding of how Muslims have traditionally interpreted the texts of revelation (Qur'an and Hadith) through the development of practical "hands-on" methods. Designed to resemble classes in theology, jurisprudence, and law in a medieval Islamic college. Credit given for only one of A380 or R378.

**REL-A 415 Topics in Ancient Israelite Religion (3 cr.) CASE A&H, CASE GCC P:**

A210. Selected problems in ancient Israelite religion, such as pre-Yahwistic religion, Israel's cultic life, royal theology and messianism, the wisdom movement, sectarian apocalyptic. May be repeated with a different topic for a maximum of 6 credit hours in A415 and R410.

**REL-A 426 Gnostic Religion and Literature (3 cr.) CASE A&H, CASE GCC**

The myth, ritual, and beliefs of the ancient Gnostics and related Christian and non-Christian movements of the late Roman empire: classic Gnostic scripture, Valentinus and his followers, the School of St. Thomas, Basilides, the Corpus Hermeticum, and the possibility of Gnosticism in the New Testament. Credit given for only one of A426 or R425.

**REL-A 430 Topics in the History of Judaism (3 cr.) CASE A&H P:**

Course on Judaism or consent of instructor. Special topics such as problems in Jewish mystical tradition, the nature of religious community, charismatic leadership, religious biography. May be repeated with a different topic for a maximum of 6 credit hours in A430 and R445.

**REL-A 435 Catholic Controversies (3 cr.) CASE A&H**

Controversial issues in the history of Catholicism from Martin Luther's critique of the church's corruption to recent court cases indicting the church's response to sex abuse cases. Examines the place of Catholicism in the modern imagination as well as key historical figures and events.

**REL-A 440 Judaism and Gender: Philosophical and Theological Perspectives (3 cr.) CASE A&H, CASE GCC**

Studies the concepts of sex and gender in modern Judaism through categories including law, ritual, and theology. Uses gender theory to explore historical and contemporary struggles over interpretations of traditional Jewish texts. Discusses Jewish ideas about masculinity, femininity, human bodies, and their places in religious life. Credit given for only one of A440 or R421.

**REL-A 450 Topics in the History of Christianity (3 cr.) CASE A&H, CASE GCC**

Significant figures, issues, and movements in the history of Christianity examined in their social and religious contexts, with attention to their continuing religious and cultural impact. May be repeated with a different topic for a maximum of 6 credit hours in A450 and R430.

**REL-A 470 Topics in Islamic Studies (3 cr.) CASE A&H, CASE GCC**

Selected topics on Islamic law,

philosophy, theology, and mysticism. May be repeated with a different topic for a maximum of 6 credit hours in A470 and R456.

**REL-A 480 Knowing the Will of God in Islam II: Theology (3 cr.) CASE A&H** Develops students' understanding of the central theological issues in Muslim thought as they were developed by various groups and individuals over the last 1,300 years. Credit given for only one of A480 or R468.

**REL-A 485 The Life and Legacy of Muhammad (3 cr.) CASE A&H, CASE GCC** Explores the ways in which sacred biography is used in various contexts to develop theories of authority and history. Applies theories and methods of textual interpretation to the earliest known biography of the Prophet Muhammad (d. 632 C.E.). Credit given for only one of A485 or R467.

#### **Area B—South and East Asia**

**REL-B 202 Issues in South and East Asian Religions (3 cr.) CASE A&H** Selected issues and movements in South and East Asian religions. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-B 210 Introduction to Buddhism (3 cr.) CASE A&H, CASE GCC** Introduction to the basic beliefs and practices of Buddhism from its beginnings to the present. Special attention to the life and teachings of the founder, significant developments in India, and the diffusion of the tradition to East Asia, Central Asia, and the West. Credit given for only one of B210 or R250.

**REL-B 220 Introduction to Hinduism (3 cr.) CASE A&H, CASE GCC** Beliefs, rites, and institutions of Hinduism from the Vedic (c. 1200 B.C.) to modern times: religion of the Vedas and the Upanishads, epics and the rise of devotional religion, philosophical systems (Yoga and Vedanta), sectarian theism, monasticism, socioreligious institutions, popular religion (temples and pilgrimages), modern Hindu syncretism. Credit given for only one of B220 or R255.

**REL-B 230 Introduction to Chinese Religion (3 cr.) CASE A&H, CASE GCC** Introduction to religion in premodern and contemporary China. Examines the concept of religion, the notion of religious identity, and various debates that have shaped religious traditions (Confucians, Daoists, Mohists, Chinese Buddhists, Confucian-Muslims) in China.

**REL-B 300 Studies in South and East Asian Religions (3 cr.) CASE A&H** Selected topics and movements in South and East Asian religions. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-B 310 East Asian Buddhism (3 cr.) CASE A&H, CASE GCC** Adaptation and assimilation of Buddhism in East Asia, early philosophical and ritual schools, social issues, Tiantai synthesis of Mahayana Buddhism, devotional Buddhism, Ch'an/Zen school of meditation, impact of Buddhism on East Asian cultures and arts. Credit given for only one of B310 or R350.

**REL-B 315 Tantric Buddhism (3 cr.) CASE A&H, CASE GCC** This class explores the rise and circulation of tantric practices, ideas, and texts among Indian and Tibetan Buddhists. The class also considers the advantages and limitations of various approaches that modern scholars

have taken in their attempts to make sense of these practices, ideas, and texts.

**REL-B 320 Hindu Goddesses (3 cr.) CASE A&H, CASE GCC** Introduction to the goddesses in Hindu traditions, including Lakshmi, Saraswati, Sita, Radha, Parvati, Durga, Kali, Ganga, and Sitala. Focus on the mythology, iconography, cultic practices, embodied forms, and theology associated with these goddesses. Credit given for only one of B320 or R348.

**REL-B 330 Women in South Asian Religious Traditions (3 cr.) CASE A&H, CASE GCC** Historical view of the officially sanctioned roles for women in several religious traditions in South Asia, and women's efforts to become agents and participants in the religious expressions of their own lives. Credit given for only one of B330, R382, or INST I380.

**REL-B 335 Bollywood and Beyond: Religion in South Asian Film (3 cr.) CASE A&H, CASE GCC** A consideration of the nature and meaning of religion in South Asia using film as the lens to explore the South Asian continuum running from the sacred to the secular. Credit given for only one of B335 or R388.

**REL-B 360 Religions in Japan (3 cr.) CASE A&H, CASE GCC** Religious movements in Japan, with emphasis on the development of Shinto, Buddhism, Confucianism, Christianity, and the rise of the "new religions. Credit given for only one of B360 or R357.

**REL-B 374 Early Chinese Thought (3 cr.) CASE A&H, CASE GCC** An introduction to the early development of Chinese thought, from ancient divination to the religious, ethical, and political theories of classical Confucianism, Mohism, and Daoism. Focuses on debates over human nature and self-cultivation, the nature of the cosmos, and the proper ordering of society. Readings are in English translation. Credit given for only one of B374, R368, EALC E374, or PHIL P374.

**REL-B 410 Topics in the Buddhist Tradition (3 cr.) CASE A&H** P: B210, B310, or consent of instructor. Selected topics such as Mahayana Sutra literature, Buddhist cult practice, Indian Buddhist inscriptions, Prajñāpāramitā thought, or Zen in Korea and Japan. May be repeated with a different topic for a maximum of 6 credit hours in B410 and R450.

**REL-B 412 Buddhism and Popular Culture (3 cr.) CASE GCC** P: B210 or B310, or permission of instructor. Seminar examines several major questions on Buddhism in a global context. How do popular media such as manga, film, and fiction, shape and change our understandings of Buddhism? What does it mean for a human being, a given practice, or a particular object to be "Buddhist"? What do Buddhist doctrine and practice have to say about how we perceive and participate in popular culture?

**REL-B 414 Buddhist Philosophy in India (3 cr.) CASE A&H** P: B210. Examines ideas, methods, and practices of seminal importance for Buddhist philosophical traditions in and beyond the Indian subcontinent. Explores how certain Buddhist thinkers have asked and attempted to answer questions regarding the self, reality, knowledge, conduct, and liberation.

**REL-B 420 Topics in Hindu Religions (3 cr.) CASE A&H, CASE GCC** P: B220. Selected topics such as

Upanishadic thought, the Bhagavad Gita, Advaita Vedanta, Hindu ethics, monastic traditions, Hindu soteriology. May be repeated with a different topic for a maximum of 6 credit hours in B420 and R458.

**REL-B 433 Embodying Nirvana (3 cr.) CASE A&H, CASE GCC** P: B210 or permission of instructor.

Addresses the divergent ways in which Buddhists have understood the figure of the Buddha and the nature of Buddhahood. Draws from a number of primary texts in translation, concentrating principally (although not exclusively) on Indian Buddhist materials.

**REL-B 440 Topics in Daoism and Chinese Religion (3 cr.) CASE A&H, CASE GCC** Selected topics within the Chinese religious traditions. May be repeated with a different topic for a maximum of 6 credit hours in B440 and R469.

**REL-B 460 Topics in East Asian Religions (3 cr.) CASE A&H, CASE GCC** Examination of a selected theme, movement, or period in the religious history of China, Japan, or Korea. Topics might include interactions of traditions, new religions in Japan, or religious change in Sung China. May be repeated with a different topic for a maximum of 6 credit hours in B460 and R452.

**Area C—The Americas**

**REL-C 202 Issues in Religion in the Americas (3 cr.) CASE A&H** Selected topics, issues, and movements in American religions. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-C 230 American Jewish History (3 cr.) CASE S&H, CASE DUS** Explores American Jewish history from its beginnings to the present through primary source readings, documentary films, and historical readings. Credit given for only one of C230, JSTU-J 259, or HIST-H 259.

**REL-C 300 Studies in Religion in the Americas (3 cr.) CASE A&H** Selected topics and movements in American religions. May be repeated with different topics for a maximum of 6 credit hours.

**REL-C 320 African American Religions (3 cr.) CASE A&H, CASE DUS** Examines the varieties of African American religions, especially Christianity, Islam, Yoruba, Vodun, and Humanism, from the colonial era to the present. Methodologies will also be critically examined. Credit given for only one of C320 or R321.

**REL-C 323 Jews and Race in the United States (3 cr.) CASE A&H, CASE DUS** Explores the spectrum of Jewish thought on race and ethnicity from historical and regional perspectives. Addresses the questions "Are Jews white?" and "Are Jews a race?" looking at both contemporary and historical sources to see how the answers differ in relation to the specific racial landscapes of particular times and places. Credit given for only one of C323 or JSTU-J 310.

**REL-C 325 Race, Religion, and Ethnicity in the United States (3 cr.) CASE S&H, CASE DUS** A comparative study of the role religious narratives and beliefs have played in the shaping of racial and ethnic boundaries. Credit given for only one of C325 or R324.

**REL-C 330 Evangelical America (3 cr.) CASE A&H** Assesses the causes, nature, and implications of

evangelical influence from the Great Awakening to the present. Credit given for only one of C330 or R337.

**REL-C 335 New Religious Movements in the Americas (3 cr.) CASE A&H, CASE DUS** Offers a theoretical and comparative survey of the emergence of religious traditions. Groups may include early Christianity, early Islam, Nichirin Shoshu, Mormonism, Tenrikyo, the Nation of Islam, Scientology, Falun Gong, and the Branch Davidians. Credit given for only one of C335 or R334.

**REL-C 355 Religion and Sex in America (3 cr.) CASE S&H, CASE DUS** Examines the relationship between American religion and sex from the early 1600s to the 21st century. Readings include culture theory, contemporary literature, missionary documents, theological tracts, and legal documents from early and contemporary periods. Students are encouraged to draw upon the resources of the Kinsey Institute archives. Credit given for only one of C355 or R391.

**REL-C 401 Topics in American Religious History (3 cr.) CASE A&H** A selected topic such as American Catholicism in the twentieth century, religion and nationalism in America, or the problem of race and the American churches. May be repeated with a different topic for a maximum of 6 credit hours in C401 and R434.

**REL-C 402 Religion, Illness, and Healing (3 cr.) CASE A&H, CASE DUS** What is the meaning of illness and healing? Is religion good or bad for health? How should healthcare providers respond to patients' religious beliefs? What is the relationship between complementary and alternative medicine or prayer and religions such as Hinduism, Buddhism, Taoism, or Christianity? This course is ideal for pre-med, pre-law, business/management, and other interested students.

**REL-C 420 Martin Luther King, Jr. and Malcolm X in American Religion (3 cr.) CASE A&H, CASE DUS** An examination of the religious thought of Martin Luther King, Jr. and Malcolm X in the context of American religious cultures. Credit given for only one of C420 or R438.

**Area D—Theory, Ethics, and Comparison**

**REL-D 202 Issues in Theory, Ethics, and Comparison (3 cr.) CASE A&H** Selected issues and movements in theory, ethics, and comparison. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-D 250 Religion, Ecology, and the Self (3 cr.) CASE A&H** Deep ecology seeks fundamental transformations in views of world and self. It claims that there is no ontological divide in the forms of life and aims for an environmentally sustainable and spiritually rich way of life. This course is an introductory examination of Deep Ecology from a religious studies perspective. Credit given for only one of D250 or R236.

**REL-D 300 Studies in Theory, Ethics, and Comparison (3 cr.) CASE A&H** Selected topics and movements in theory, ethics, and comparison. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-D 301 Religion and Its Critics (3 cr.) CASE A&H** Examines major critics of religion, including Spinoza, Hume, Marx, and Freud. Credit given for only one of D301 or R333.

**REL-D 310 Contemporary Religious Thought (3 cr.)**

**CASE A&H** Interpretation of the human condition and destiny in contemporary religious and antireligious thought. Topics can include study of a major figure (e.g., Kierkegaard) or movement (e.g., peace studies). May be repeated with a different topic for a maximum of 6 credit hours in D310 and R340.

**REL-D 315 Religion and Personality (3 cr.) CASE A&H**

P: One of the following: R170, A250, A325, A350, A351, D330, D331, or permission of the instructor. Different ways of relating psychological concepts and data from personality theory to the study of religion and theology. Topics include psychoanalytic interpretation, existential psychology, and psychohistorical study of religious leaders. May be repeated with a different topic for a maximum of 6 credit hours in D315 and R365.

**REL-D 330 From Christian Ethics to Social Criticism I (3 cr.) CASE A&H, CASE GCC**

Christian ethics from the New Testament through the early modern period. Readings include first- and second-century authors, patristic fathers, Augustine, Bernard, Abelard, Aquinas, Luther, Calvin, Anabaptists, Vitoria, Locke, among others. First of a two-semester sequence. Credit given for only one of D330 or R374.

**REL-D 331 From Christian Ethics to Social Criticism II (3 cr.) CASE A&H**

Christian ethics from the New Testament through the early modern period. Readings include first- and second-century authors, patristic fathers, Augustine, Bernard, Abelard, Aquinas, Luther, Calvin, Anabaptists, Vitoria, Locke, among others. Second of a two-semester sequence. Credit given for only one of D331 or R375.

**REL-D 340 Religion and Bioethics (3 cr.) CASE A&H**

Examines questions about human nature, finitude, the meaning of suffering, and appropriate uses of medical technology in the face of natural limitations, such as disease and death, that humans encounter. Issues include prenatal/genetic testing, transhumanism, enhancement technologies, cloning, euthanasia, and organ transplantation. Judeo-Christian and cross-cultural perspectives on illness are considered. Credit given for only one of D340 or R373.

**REL-D 350 Religion, Ethics, and the Environment (3 cr.) CASE A&H**

Exploration of relationships between religious worldviews and environmental ethics. Considers environmental critiques and defenses of monotheistic traditions, selected non-Western traditions, the impact of secular "mythologies," philosophical questions, and lifestyle issues. Credit given for only one of D350 or R371.

**REL-D 362 Religious Issues in Contemporary Judaism (3 cr.) CASE A&H, CASE GCC**

Religious problems confronting Jews and Judaism in our own time: women and Judaism, the impact of the Holocaust on Judaism, contemporary views of Zionism, religious trends in American Judaism. May be repeated with different topics for a maximum of 6 credit hours in D362 and R345.

**REL-D 365 Friendship, Benevolence, and Love (3 cr.) CASE A&H**

By closely reading relevant classic works from Western and East Asian cultures, students examine ideas of friendship, benevolence, and love. Questions include: What are the varieties of love and friendship? Is romantic love uniquely Western? Is compassion for others natural

to human beings? Could true benevolence require actions that appear cruel? Credit given for only one of D365 or R377.

**REL-D 370 Topics in Gender and Western Religions (3 cr.) CASE A&H**

Specific topics regarding gender in Western religions, including Judaism, Christianity, and Islam; studies of specific historical periods; or feminist critiques in theology and ethics. May be repeated with a different topic for a maximum of 6 credit hours in D370 and R364.

**REL-D 375 Religion and Literature in Asia (3 cr.)**

**CASE A&H, CASE GCC** The treatment of religious issues in Asian literature (Hinduism in the Epics) or the significance of the literary forms of religious texts (The Genre of Recorded Sayings), showing how the interplay of religious realities and literary forms reveals the dynamics of religious development in India, China, or Japan. Credit given for only one of D375 or R352.

**REL-D 380 Comparative Study of Religious Phenomena (3 cr.) CASE A&H**

Eastern and Western religions on a selected subject such as time and the sacred, sacrifice, initiation. May be repeated with a different topic for a maximum of 6 credit hours in D380 and R360.

**REL-D 385 Messianism and Messiahs in Comparative Perspective (3 cr.) CASE A&H, CASE GCC**

Examines the messianic phenomenon as central to Judaism, Christianity, and Islam. Focuses on Jewish messianism. Christianity and Islam will be employed to compare and contrast how this idea developed in two competing religions. Studies the history of the idea, its relationship to orthodoxy and heresy, and its political implications. Credit given for only one of D385 or R307.

**REL-D 410 Topics in Religious Thought (3 cr.) CASE A&H**

Selected focus on major movements and issues in religious thought. May be repeated with a different topic for a maximum of 6 credit hours in D410 and R462.

**REL-D 430 Problems in Social Ethics (3 cr.) CASE A&H**

Intensive study of a selected problem in religion and society such as religion and American politics, war and conscience, medical ethics. May be repeated with a different topic for a maximum of 6 credit hours in D430 and R473.

**REL-D 485 Religion and Media (3 cr.) CASE S&H**

An introduction to recent debates on the nexus between religious experience and communities, and various forms and technologies of mediation. Combines perspectives on religion and ritual with scholarship on media, media consumption, and critical theory. Readings also include an array of ethnographic studies of religiously-inspired movements in South Asia, sub-Saharan Africa, and the Middle East. Credit given for only one of D485 or R411.

**Special Courses**

These courses may be counted toward allocation requirements by departmental consent.

**REL-R 202 Topics in Religious Studies (3 cr.) CASE A&H**

Selected topics, issues, and movements in religion. May be repeated once with a different topic for a maximum of 6 credit hours.

**REL-R 300 Studies in Religion (3 cr.) CASE A&H**

Selected topics and movements in religion. May be repeated with different topics for a maximum of 12 credit hours.

**REL-R 389 Majors Seminar in Religion (3 cr.)** Limited to majors. Investigation of a theme or topic in the study of religion, with close attention to method, theory, and history of the discipline. May be repeated with a different topic for a maximum of 6 credit hours.

**REL-R 399 Reading for Honors (3 cr.)** P: Consent of instructor and departmental honors advisor. Independent guided reading. May be repeated once for credit with a different topic.

**REL-R 494 Teaching Internship (3 cr.)** Supervised work as teaching apprentice in religious studies either in the university or another appropriate educational setting. Intern must be sponsored by a religious studies faculty member.

**REL-R 495 Individual Research Internship (1-3 cr.)** P: Consent of instructor and departmental director of undergraduate studies. May be repeated with different topics for a maximum of 6 credit hours.

**REL-R 496 Service Learning Internship (1-3 cr.)** Affords a student the opportunity to receive academic credit for work experience in a communal or public setting. Student must submit an application, obtain a faculty sponsor, and be approved by the departmental director of undergraduate studies.

**REL-R 497 Language Instruction for Religious Texts (1-6 cr.)** Elementary language training in preparation for the reading of sacred or scriptural texts. Language to be announced. Consent of instructor required. May be repeated for a maximum of 12 credit hours.

**REL-R 498 Advanced Language Instruction for Religious Texts (1-6 cr.)** Advanced language training in preparation for the reading of sacred or scriptural texts. Language to be announced. May be taken for a maximum of 6 credit hours.

**REL-R 499 Senior Honors Essay (1-6 cr.)** P: Approval of departmental honors advisor. Guided research culminating in essay(s). May be repeated for a maximum of 6 credit hours.

and East European Studies with a language certificate, or a minor in Polish Studies. Any REEI credential may be earned along with any bachelor's degree.

The Russian and East European Institute is affiliated with the new [School of Global and International Studies](#) (SGIS) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising.

### Contact Information

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[reei@indiana.edu](mailto:reei@indiana.edu)

<http://www.indiana.edu/~reeiweb/>

## Faculty

### Director

- Padraic Kenney

### Professors

- Michael Alexeev (Economics)
- David Audretsch (School of Public and Environmental Affairs)
- Joëlle Bahloul (Anthropology, Jewish Studies)
- William Bianco (Political Science)
- Jack Bielsiak (Political Science)
- Maria Bucur (History)
- Daniel Cole (Maurer School of Law, School of Public and Environmental Affairs)
- Aurelian Craiuțu (Political Science)
- Devin DeWeese (Central Eurasian Studies)
- Benoit Eklof (History)
- Steven Franks (Slavic and East European Languages and Cultures, Linguistics)
- Jeffrey C. Isaac (Political Science)
- Bill Johnston (Comparative Literature)
- Michael Kaganovich (Economics)
- Padraic Kenney (History, International Studies)
- Dov-Ber Kerler (Germanic Studies, Jewish Studies)
- Robert Kravchuk (School of Public and Environmental Affairs)
- Hiroaki Kuromiya (History)
- Vincent Liotta (Jacobs School of Music)
- Terrence Mason (School of Education)
- Bryan McCormick (School of Public Health)
- John Mikesell (School of Public and Environmental Affairs)
- Maureen Anne Pirog (School of Public and Environmental Affairs)
- Sarah Phillips (Anthropology, International Studies)
- Toivo Raun (Central Eurasian Studies)
- Steven Raymer (Journalism)

## Russian and East European Institute

### Introduction

The Russian and East European Institute (REEI) offers an interdisciplinary program designed to give undergraduates comprehensive training in the Russian and East European areas. The university offers a wide range of Russian and East European courses in more than 20 departments in the College of Arts and Sciences and the Schools of Education, Informatics and Computing, Public and Environmental Affairs, Public Health, the Kelley School of Business, and the Jacobs School of Music. The program does not grant an undergraduate major, but students can obtain one of three undergraduate minors: a minor in Russian and East European Studies, a minor in Russian

- Jean C. Robinson (Political Science)
- Mark Roseman (History, Jewish Studies)
- Alvin Rosenfeld (English, Jewish Studies)
- Anya Peterson Royce (Anthropology, Comparative Literature)
- M. Nazif Shahrani (Anthropology, Central Eurasian Studies, Near Eastern Languages and Cultures)
- Frances Trix (Anthropology)
- Russell Valentino (Slavic and East European Languages and Cultures)
- Timothy Waters (Maurer School of Law)

#### **Associate Professors**

- Christopher Atwood (Central Eurasian Studies)
- Sarah Bassett (Fine Arts)
- Gardner Bovingdon (Central Eurasian Studies, International Studies)
- Judah Cohen (Folklore and Ethnomusicology, Jewish Studies)
- Markus Dickinson (Linguistics)
- George Fowler (Slavic and East European Languages and Cultures)
- Halina Goldberg (Jacobs School of Music)
- Lynn Hooker (Central Eurasian Studies)
- Christina Illias (Classical Studies, Slavic and East European Languages and Cultures)
- Owen V. Johnson (Journalism)
- Fredericka Kaestle (Folklore and Ethnomusicology)
- Joshua Malitsky (Communication and Culture)
- Vicki Meretsky (School of Public and Environmental Affairs)
- Martha Nyikos (School of Education)
- Phillip Parnell (International Studies)
- Ron Sela (Central Eurasian Studies, International Studies)
- Regina Smyth (Political Science)
- Dina Spechler (Political Science)

#### **Assistant Professors**

- Denvil Duncan (School of Public and Environmental Affairs)
- Jacob Emery (Comparative Literature, Slavic and East European Languages and Cultures)
- Debra Friedman (Second Language Studies)
- Hans Ibold (Journalism)
- Volodymyr Lugovskyy (Economics)
- Patrick Michelson (Religious Studies)
- Scott Shackelford (Kelley School of Business)
- Maria Shardakova (Slavic and East European Languages and Cultures)
- Sara Stefani (Slavic and East European Languages and Cultures)

#### **Academic Advising**

- [jeashcra@indiana.edu](mailto:jeashcra@indiana.edu), Owen Hall, (812) 855-4538@

## **Minors in Russian and East European Studies**

#### **Requirements**

The minors indicate that students have achieved special competence in the Russian and East European area, successfully completing interdisciplinary area course work.

Two of the available minors are described below. The first minor requires Distribution courses in three disciplinary groupings. The second minor, in addition to area courses, includes a language requirement. The second minor is particularly useful to those who are planning to undertake graduate study in the Russian or East European field. The minors are awarded to those who earn the bachelor's degree and complete the requirements below.

#### **Academic Standing**

Students must have a minimum grade point average of 3.000 (B) to enter any REEI undergraduate minor program. For information on entering an REEI minor program, contact Jennifer Ashcraft, Academic Advisor.

#### **Minor in Russian and East European Studies**

##### **Required Courses**

Students must complete at least 15 credit hours of College of Arts and Sciences course work, selected in consultation with the REEI advisor, with a minimum average grade of B in area-related courses, including a minimum of 3 credit hours each from the history/geography, social sciences, and literature/culture Distribution groups. Institute courses R302 and R303 can be used to meet the requirement for any of the Distribution groups, with approval of the Academic Advisor. At least 9 credit hours must be at the 300 level or above. At least 9 credit hours of College of Arts and Sciences course work must be taken on the Bloomington campus.

**Note:** The minimum required average grade for REEI minor course work is a B, higher than the College of Arts and Sciences general requirement.

#### **Minor in Russian and East European Studies with Language Certification**

##### **Required Courses**

Same course requirements as above; in addition, students must complete 6 credit hours beyond the first-year level (with at least a grade of B) of any one of the following languages: Bosnian/Croatian/Serbian, Czech, Estonian, Hungarian, Polish, Romanian, Russian, Ukrainian, Yiddish, or another area language. Students may be exempted from the 6 credit hour requirement by demonstrating equivalent language knowledge with the approval of the REEI advisor.

**Note:** The minimum required average grade for REEI minor course work is a B, higher than the College of Arts and Sciences general requirement.

#### **Minor in Polish Studies**

Students must complete 18 credit hours in three different departments, including

1. One language course at the level of P202 or above (3 cr.)
2. 9 credit hours in core courses, chosen from at least two different departments. Up to three credit hours may be taken as independent readings. Variable topic courses which focus predominantly on Poland may also count as core courses.

- HIST-D 201 Democratic Revolutions since 1980 (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 340 East European Politics (3 cr.) **CASE S&H, CASE GCC**

- SLAV-P 223 Introduction to Polish Culture (3 cr.) **CASE A&H, CASE GCC**
- SLAV-P 363 Survey of Polish Literature and Culture I (3 cr.) **CASE A&H, CASE GCC**
- SLAV-P 364 Survey of Polish Literature and Culture II (3 cr.) **CASE A&H, CASE GCC**
- SLAV-P 365 Topics in Polish Literature and Culture (3 cr.) **CASE A&H**
- SLAV-P 366 Polish Film (3 cr.) **CASE A&H, CASE GCC**
- Courses taken in the study abroad program at the Centre for European Studies at Jagiellonian University, Kraków (sponsored by the Polish Studies Center), may also count toward the core or related areas, depending on the focus.

3. 6 credit hours in courses in related areas; courses from a third department should be included here if the core courses are not chosen from at least three departments.

- ANTH-E 412 Anthropology of Russia and Eastern Europe (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 323 History of the Holocaust (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 200 Issues in Russian/East European History (3 cr.) **CASE S&H**
- HIST-D 300 Issues in Russian/East European History (3 cr.) **CASE S&H**
- HIST-D 304 Jews of Eastern Europe (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 327 Nation-Making and Imperial Decline in East Central Europe, 1780–1918 (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 329 Eastern Europe in the First Half of the Twentieth Century (3 cr.) **CASE S&H, CASE GCC**
- HIST D 330 Eastern Europe in the Second Half of the Twentieth Century (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 400 Issues in Russian/East European History (3 cr.) **CASE S&H**
- REEI-R 303 Eastern Europe, Past and Present (3 cr.) **CASE S&H, CASE GCC**
- SLAV-R 353 Central European Cinema (3 cr.) **CASE A&H, CASE GCC**

Courses below may also be included, but the student must submit evidence that some portion of the course, including written work, dealt with Poland, alone or comparatively. Similarly, students may present evidence of Polish-related work in other courses not listed here.

- ANTH-E 387 The Ethnography of Europe (3 cr.) **CASE S&H, CASE GCC**
- CMLT-C 377 Topics in Yiddish Literature (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 378 Topics in Yiddish Culture (3 cr.) **CASE A&H, CASE GCC**
- FOLK-F 312 European Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC**
- GEOG-G 428 Geography of Europe (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 303 Issues in Modern European History (3 cr.) **CASE S&H**
- HIST-B 315 European Anti-Semitism from the Enlightenment to the Holocaust (3 cr.) **CASE S&H**

- HIST-B 321 European Jews in the Age of Discovery (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 322 Jews in the Modern World (3 cr.) **CASE S&H, CASE GCC**
- HIST-B 361 Europe in the Twentieth Century I (3 cr.) **CASE S&H**
- HIST-B 362 Europe in the Twentieth Century II (3 cr.) **CASE S&H**
- INTL-I 203 Global Integration and Development (3 cr.) **CASE S&H**
- INTL-I 300 Topics in International Studies (1–3 cr.)
- POLS-Y 345 Comparative Revolutions (3 cr.) **CASE S&H**
- POLS-Y 348 The Politics of Genocide (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 350 Politics of the European Union (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 352 The Holocaust and Politics (3 cr.) **CASE S&H, CASE GCC**
- REEI-R 300 Russia and East European Issues (1–4 cr.)
- REEI-R 301 Russian and East European Area Topics (3 cr.) **CASE S&H, CASE GCC**
- REEI-R 495 Readings in Russian and East European Studies (1–3 cr.)

4. The minor must include at least 9 credit hours at the 300-400 level and at least 9 credit hours on the Bloomington campus.

## Course Descriptions

### **REEI-R 300 Russian and East European Issues**

**(1-4 cr.)** Brief examination of selected topics related to Russia and East Europe. Variable topics. May be repeated with different topics for a total of 6 credit hours.

### **REEI-R 301 Russian and East European Area Topics**

**(3 cr.) CASE S&H, CASE GCC** Selected topics related to politics, culture, economics, and society in the Russian and East European area.

### **REEI-R 302 Russia, Past and Present (3 cr.) CASE S&H, CASE GCC**

Interdisciplinary study of the geography, natural resources, peoples, religions, economy, political and social systems, education, law, cultures, literatures, and arts of Russia. Emphasis on recent developments with appropriate attention to historical roots. Credit given for only one of the following: R302 or HIST D302.

### **REEI-R 303 Eastern Europe, Past and Present (3 cr.) CASE S&H, CASE GCC**

Interdisciplinary study of the geography, natural resources, peoples, religions, economy, political and social systems, education, law, cultures, literatures, and arts of East Central and Southeastern Europe. Emphasis on recent developments with appropriate attention to historical roots.

### **REEI-R 495 Readings in Russian and East European Studies (1-3 cr.)**

P: Consent of instructor and the director of the Russian and East European Institute. May be repeated for a maximum of 6 credit hours.

## Courses Satisfying the Distribution Requirement for the REEI Minors

The following is a list of courses that were offered in the recent past and are expected to be offered again.

This list is subject to change. A current list of courses for each semester may be obtained in Ballantine Hall 565. Courses must have at least 25 per cent Russian and East European area related content to count towards the REEI minor. Please consult with Jennifer Ashcraft, the REEI Academic Advisor, prior to registering for courses to count toward the minor. (REE=Russian and/or East European.)

- Group I (Historical/Geographical Courses)
- Group II (Social Science Courses)
- Group III (Literature and Culture Courses)
- Language Courses

### **Group I (Historical/Geographical)**

#### **Central Eurasian Studies**

- CEUS-R 191 Introduction to Central Eurasia (1-4 cr.)
- CEUS-R 302 Finland in the Twentieth Century (3 cr.) **CASE S&H**
- CEUS-R 309 Topics in Baltic–Finnish Studies (3 cr.) **CASE S&H** (REE Area Topics)
- CEUS-R 310 Introduction to Central Asian History (3 cr.)
- CEUS-R 313 Islam in Soviet Union and Successor States (3 cr.) **CASE A&H, CASE GCC**
- CEUS-R 329 Topics in Central Eurasian Studies (3 cr.) (REE Area Topics)
- CEUS-R 349 Topics in Hungarian Studies (1–4 cr.)
- CEUS-R 360 Modern Mongolia (3 cr.) **CASE S&H, CASE GCC**
- CEUS-R 369 Topics in Mongolian Studies (3 cr.) **CASE GCC** (REE Area Topics)
- CEUS-R 383 Ten Sultans, One Empire: Ottoman Classical Age, 1300–1600 (3 cr.) **CASE S&H, CASE GCC**
- CEUS-R 389 Topics in Turkish Studies (1-4 cr.) (REE Area Topics)
- CEUS-R 393 The Mongol Century (3 cr.) **CASE S&H, CASE GCC**
- CEUS-R 412 Central Asia under Russian Rule (3 cr.) **CASE S&H**
- CEUS-R 413 Islamic Central Asia: Sixteenth–Nineteenth Centuries (3 cr.) **CASE S&H, CASE GCC**

#### **College of Arts and Sciences**

- COLL-C 104 Critical Approaches to the Social and Historical Studies (3 cr.) **CASE S&H, CASE CAPP** (REE Area topics)

#### **Collins Living-Learning Center**

- CLLC-L 310 Collins Symposium (3 cr.) **CASE A&H** REE Area Topics
- CLLC-L 320 Collins Symposium (3 cr.) **CASE S&H** REE Area Topics

#### **European Studies, Institute for**

- EURO-W 405 Special Topics in European Studies (3 cr.) **CASE S&H** REE Area Topics

#### **Geography**

- GEOG-G 120 Regions of the World: REE Topics (3 cr.) **CASE S&H** REE Area Topics
- GEOG-G 427 Russia and Its Neighbors (3 cr.) **CASE S&H, CASE GCC**

- GEOG-G 428 Geography of Europe (3 cr.) **CASE S&H, CASE GCC**

#### **History**

- HIST-B 300 Issues in Western European History (3 cr.) **CASE S&H** (REE Area Topics)
- HIST-B 303 Issues in Modern European History (3 cr.) **CASE S&H** (REE Area Topics)
- HIST-B 315 European Anti-Semitism from the Enlightenment to the Holocaust (3 cr.) **CASE S&H**
- HIST-B 323 History of the Holocaust (3 cr.) **CASE S&H, CASE GCC**
- HIST-C 393 Ottoman History (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 102 Icon and Axe: Russia from Earliest Times to 1861 (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 103 Icon and Axe: Russia from 1861 to Present (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 200 Issues in Russian and East European History (3 cr.) **CASE S&H**
- HIST-D 300 Issues in Russian/East European History (3 cr.) **CASE S&H**
- HIST-D 302 The Gorbachev Revolution and the Collapse of the Soviet Empire (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 303 Heroes and Villains in Russian History (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 304 Jews of Eastern Europe (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 308 Empire of the Tsars (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 310 Russian Revolution and the Soviet Regime (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 320 Modern Ukraine (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 325 Nationalism in the Balkans, 1804–1923 (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 327 Nation-Making and Imperial Decline in East Central Europe, 1780–1918 (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 329 Eastern Europe in the First Half of the Twentieth Century (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 330 Eastern Europe in the Second Half of the Twentieth Century (3 cr.) **CASE S&H, CASE GCC**
- HIST-D 400 Issues in Russian/East European History (3 cr.) **CASE S&H**
- HIST-G 300 Issues in Asian History (3 cr.) **CASE S&H** (REE area topics)
- HIST-H 251 Introduction to Jewish History: From the Bible to Spanish Expulsion (3 cr.) **CASE S&H, CASE GCC**
- HIST-H 252 Introduction to Jewish History: From Spanish Expulsion to the Present (3 cr.) **CASE S&H, CASE GCC**
- HIST-J 300 Seminar in History (3 cr.) **CASE S&H** (REE Area Topics)
- HIST-J 400 Seminar in History (3 cr.) **CASE S&H** (REE Area Topics)

#### **Hutton Honors College**

- HON-H 204 Interdepartmental Colloquia (3 cr.) **CASE S&H** (REE Area Topics)

#### **Jewish Studies**

- JSTU-J 251 Introduction to Jewish History: from the Bible to Spanish Expulsion (3 cr.) **CASE S&H, CASE GCC**

### **Group II (Social Science)**

#### **Anthropology**

- ANTH-E 332 Jewish Women: Anthropological Perspectives (3 cr.) **CASE S&H, CASE DUS**
- ANTH-E 371 Modern Jewish Culture and Society (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 382 Memory and Culture (3 cr.) **CASE S&H**
- ANTH-E 387 The Ethnography of Europe (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 397 Peoples and Cultures of the Middle East (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 398 Peoples and Cultures of Central Asia (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 400 Undergraduate Seminar (3 cr.) (REE Area Topics)
- ANTH-E 412 Anthropology of Russia and Eastern Europe (3 cr.) **CASE S&H, CASE GCC**
- ANTH-E 445 Seminar in Medical Anthropology (3 cr.) **CASE S&H**
- ANTH-E 455 Anthropology of Religion (3 cr.) **CASE S&H**

#### **Central Eurasian Studies**

- CEUS-R 309 Topics in Baltic–Finnish Studies (3 cr.)
- CEUS-R 315 Politics and Society in Central Asia (3 cr.) **CASE S&H, CASE GCC**
- CEUS-R 329 Topics in Central Eurasian Studies (3 cr.) (REE Area Topics)
- CEUS-R 349 Topics in Hungarian Studies (1–4 cr.)
- CEUS-R 369 Topics in Mongolian Studies (3 cr.) **CASE GCC** (REE Area Topics)
- CEUS-R 389 Topics in Turkish Studies (1–4 cr.) (REE Area Topics)
- CEUS-R 394 Environmental Problems and Social Constraints in Northern and Central Eurasia (3 cr.) **CASE S&H**
- CEUS-R 416 Religion and Power in Islamic Central Asia (3 cr.) **CASE S&H, CASE GCC**

#### **College of Arts and Sciences**

- COLL-X 311 Experimental Topics (3 cr.) (REE Social Science Topics)

#### **Collins Living-Learning Center**

- CLLC-L 310 Collins Symposium (3 cr.) **CASE A&H** (REE Area Topics)
- CLLC-L 320 Collins Symposium (3 cr.) **CASE S&H** (REE Social Science Topics)

#### **Criminal Justice**

- CJUS-P 340 Law and Society: The Cross-Cultural Perspective (3 cr.) **CASE S&H**
- CJUS-P 474 Law, Crime, and Justice in Post-Soviet Russia (3 cr.) **CASE S&H**
- CJUS-P 493 Seminar in Criminal Justice (3 cr.) (REE Area Topics)

#### **Economics**

- ECON-E 386 Soviet-Type Economies in Transition (3 cr.)
- ECON-E 390 Undergraduate Seminar in Economics (3 cr.) (REE Area Topics)

- ECON-S 202 Introduction to Microeconomics: Honors (3 cr.) **CASE S&H**

#### **European Studies, Institute for**

- EURO-W 304 Model European Union (1–3 cr.)
- EURO-W 405 Special Topics in West European Studies (3 cr.) **CASE S&H** (REE Area Topics)

#### **Gender Studies**

- GNDR-G 402 Problems in Gender Studies (1–3 cr.) (REE Area Topics)

#### **Global Village Living-Learning Center**

- GLLC-G 210 Global Village Colloquium (3 cr.) **CASE A&H** (REEI Area Topics)
- GLLC-G 220 Global Village Colloquium (3 cr.) **CASE S&H** (REEI Area Topics)
- GLLC-G 321 Intelligence and National Security (3 cr.) **CASE S&H**

#### **International Studies**

- INTL-I 100 Introduction to International Studies (3 cr.) **CASE S&H**
- INTL-I 203 Global Development (3 cr.) **CASE S&H** (REE Area Topics)
- INTL-I 300 Topics in International Studies (1–3 cr.) (REE Area Topics)
- INTL-I 310 Advanced Topics in Diplomacy, Security, Governance (3 cr.) (REEI Area Topics)
- INTL-I 325 International Issues through Foreign Languages (1 cr.) (REE Area Topics)
- INTL-I 400 International Studies Capstone Seminar (3 cr.)

#### **Political Science**

- POLS-Y 107 Introduction to Comparative Politics (3 cr.) **CASE S&H** (REE Area Topics)
- POLS-Y 109 Introduction to International Relations (3 cr.) **CASE S&H**
- POLS-Y 200 Contemporary Political Topics (3 cr.) **CASE S&H** (REE Area Topics)
- POLS-Y 210 Honors Seminar (3 cr.) **CASE S&H** (REE Area Topics)
- POLS-Y 332 Russian Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 340 East European Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 348 The Politics of Genocide (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 350 Politics of the European Union (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 351 Political Simulations (1–3 cr.) (REE Area Topics)
- POLS-Y 352 The Holocaust and Politics (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 363 Comparative Foreign Policy (3 cr.) **CASE S&H**
- POLS-Y 368 Russian and Soviet Foreign Policy (3 cr.) **CASE S&H, CASE GCC**
- POLS-Y 375 War and International Conflict (3 cr.) **CASE S&H**
- POLS-Y 376 International Political Economy (3 cr.) **CASE S&H**
- POLS-Y 381 Classical Political Thought (3 cr.) **CASE A&H, CASE GCC**

- POLS-Y 382 Modern Political Thought (3 cr.) **CASE A&H, CASE GCC**

#### **Business, Kelley School of**

- BUS-D 301 International Business Environment (3 cr.)
- BUS-D 302 International Business: Operating International Enterprises (3 cr.)
- BUS-D 496 Foreign Study in Business (2–6 cr.)

#### **Public and Environmental Affairs, School of**

- SPEA-E 466 International and Comparative Environmental Policy (3 cr.)
- SPEA-V 160 National and International Policy (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (REE Area Topics)

### **Group III (Literature and Culture)**

#### **Central Eurasian Studies**

- CEUS-R 304 Modern Finnish Literature (3 cr.)
- CEUS-R 309 Topics in Baltic–Finnish Studies (3 cr.) (REE Area Topics)
- CEUS-R 313 Islam in the Soviet Union and Successor States (3 cr.) **CASE A&H, CASE GCC**
- CEUS-R 316 Peoples and Cultures of Central Asia (3 cr.) **CASE S&H, CASE GCC**
- CEUS-R 349 Topics in Hungarian Studies (1–4 cr.)
- CEUS-R 352 Peoples and Cultures of the Middle East (3 cr.) **CASE S&H, CASE GCC**
- CEUS-R 369 Topics in Mongolian Studies (3 cr.) **CASE GCC** (REE Area Topics)
- CEUS-R 389 Topics in Turkish Studies (1–4 cr.) (REE Area Topics)
- CEUS-R 392 Uralic Peoples and Cultures (3 cr.) **CASE S&H**
- CEUS-R 399 Advanced Topics in Central Eurasian Studies (1–4 cr.) (REE Area Topics)

#### **College of Arts and Sciences**

- COLL-C 103 Critical Approaches to the Arts and Humanities (3 cr.) (REE Area Topics)

#### **Collins Living-Learning Center**

- CLLC-L 310 Collins Symposium (3 cr.) **CASE A&H** (REE Literature/Culture Topics)
- CLLC-L 320 Collins Symposium (3 cr.) **CASE S&H** (REE Literature/Culture Topics)

#### **Communication and Culture**

- CMCL-C 415 Topics in Communication and Culture in Comparative Perspective (3 cr.) **CASE S&H** (REE Area Topics)
- CMCL-C 420 Topics in Media History (3 cr.) **CASE S&H** (REE Area Topics)

#### **Comparative Literature**

- CMLT-C 335 Realism, Naturalism, and Symbolism (3 cr.) **CASE A&H, CASE GCC**
- CMLT-C 340 Women in World Literature (3 cr.) **CASE A&H, CASE GCC** (REE Area Topics)
- CMLT-C 347 Literature and Ideas (3 cr.) **CASE A&H, CASE GCC** (REE Area Topics)
- CMLT-C 377 Topics in Yiddish Literature (3 cr.) **CASE A&H, CASE GCC** (REE Area Topics)

- CMLT-C 378 Topics in Yiddish Culture (3 cr.) **CASE A&H, CASE GCC** (REE Area Topics)
- CMLT-C 400 Studies in Comparative Literature (3 cr.) **CASE A&H** (REE Area Topics)

#### **English**

- ENG-L 375 Studies in Jewish Literature (3 cr.) **CASE A&H, CASE GCC**

#### **Fine Arts**

- FINA-A 341 Nineteenth-Century European Art (3 cr.) **CASE S&H**
- FINA-A 442 Twentieth-Century Art 1900–1924 (4 cr.) **CASE GCC**
- FINA-A 480 Russian Art (4 cr.) **CASE S&H, CASE GCC**

#### **Folklore and Ethnomusicology**

- FOLK-F 312 European Folklore/Folklife/Folk Music (3 cr.) **CASE A&H, CASE GCC** (REE Area Topics)
- FOLK-F 330 Folk Culture and Related Fields (3 cr.) **CASE S&H** (REE Area Topics)

#### **Germanic Studies**

- GER-E 351 Topics in Yiddish Literature (3 cr.) **CASE A&H, CASE GCC** (REEI Area Topics)
- GER-E 352 Topics in Yiddish Culture (3 cr.) **CASE A&H, CASE GCC** (REEI Area Topics)
- GER-Y 495 Individual Readings in Yiddish Studies: Language, Literature, Culture (1–3 cr.) (REEI Area Topics)

#### **Global Village Living-Learning Center**

- GLLC-G 210 Global Village Colloquium (3 cr.) **CASE A&H** (REE Area Topics)

#### **Hutton Honors College**

- HON-H 203 Interdepartmental Colloquia (3 cr.) **CASE A&H** (REEI Area Topics)
- HON-H 204 Interdepartmental Colloquia (3 cr.) **CASE S&H** (REEI Area Topics)

#### **Journalism**

- JOUR-J 414 International News Gathering Systems (3 cr.)
- JOUR-J 448 Global Journalism: Issues and Research (3 cr.)
- JOUR-J 450 History of Journalism (3 cr.) (REE Area Topics)

#### **Jacobs School of Music**

- MUS-Z 282 Music of Russia (3 cr.)

#### **Near Eastern Languages and Cultures**

- NELC-N 305 Issues in Middle Eastern Studies (3 cr.) **CASE GCC** (REEI Area Topics)

#### **Religious Studies**

- REL-A 430 Topics in the History of Judaism (REE Area Topics) (3 cr.) **CASE A&H** (REE Area Topics)
- REL-D 362 Religious Issues in Contemporary Judaism (3 cr.) **CASE A&H, CASE GCC** (REE Area Topics)
- REL-R 300 Studies in Religion (3 cr.) **CASE A&H** (REE Area Topics)

#### **Slavics and East European Languages and Cultures**

- SLAV-C 223 Introduction to Czech Culture (3 cr.) **CASE A&H, CASE GCC**

- SLAV-C 363 History of Czech Literature and Culture (3 cr.) **CASE A&H, CASE GCC**
- SLAV-C 364 Modern Czech Literature and Culture (3 cr.) **CASE A&H, CASE GCC**
- SLAV-C 365 Seminar in Czech and Central European Literatures and Cultures (3 cr.) **CASE A&H, CASE GCC** (REE Area Topics)
- SLAV-P 223 Introduction to Polish Culture (3 cr.) **CASE A&H, CASE GCC**
- SLAV-P 363-P364 Survey of Polish Literature and Culture I-II (3-3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 123 Masterworks of Russian Short Fiction (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 223 Introduction to Russian Culture (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 224 Contemporary Russian Culture (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 229 Russian Folktales (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 263 Pushkin to Dostoevsky (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 264 Tolstoy to Solzhenitsyn (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 334 Tolstoy and Dostoevsky (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 345 Jewish Characters in Russian Literature (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 352 Russian and Soviet Film (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 353 Central European Cinema (3 cr.) **CASE A&H, CASE GCC**
- SLAV-R 405-R 406 Readings in Russian Literature I-II (3-3 cr.) **CASE A&H**
- SLAV-R 407-R 408 Readings in Russian Culture, History, and Society I-II (3-3 cr.) **CASE A&H**
- SLAV-S 320 Special Topics in Slavic Studies (1-3 cr.)
- SLAV-S 363-S 364 Literature and Culture of the Southern Slavs I-II (3-3 cr.) **CASE A&H, CASE GCC**
- SLAV-U 223 Introduction to Ukrainian Culture (3 cr.) **CASE A&H, CASE GCC**

### Language Classes

Students completing the undergraduate minor in Russian and East European studies with language certification are required to complete at least 6 credit hours of language study above the first-year level in a related language (Czech, Estonian, Hungarian, Polish, Romanian, Russian, Serbian and Croatian, Ukrainian, or Yiddish). The following courses count toward this requirement:

#### **Central Eurasian Studies**

- CEUS-T 203-T 204 Intermediate Estonian I-II (4-4 cr.)
- CEUS-T 241-T 242 Intermediate Hungarian I-II (4-4 cr.)

#### **Germanic Studies**

- GER-Y 200-Y 250 Intermediate Yiddish I-II (3-3 cr.)

#### **Slavics and East European Languages and Cultures**

- SLAV-C 201-C 202 Intermediate Czech I-II (3-3 cr.)
- SLAV-C 301-C 302 Advanced Intermediate Czech I-II (3-3 cr.)

- SLAV-M 201-M 202 Intermediate Romanian I-II (3-3 cr.)
- SLAV-N 221/N 231-N 232 Summer Intensive Intermediate Russian I-II (5-5 cr.)
- SLAV-N 242-N 341 Summer Intensive Intermediate Russian II-Summer Intensive Advanced Intermediate Russian I (5-5 cr.)
- SLAV-N 341/N 351 Summer Intensive Advanced Intermediate Russian I (5 cr.)
- SLAV-N 352/N 362-N 461 Summer Intensive Advanced Intermediate Russian II-Summer Intensive Advanced Russian I (5-5 cr.)
- SLAV-N 461/N 471-N 472 Summer Intensive Advanced Russian I-II (5-5 cr.)
- SLAV-P 201-P 202 Intermediate Polish I-II (3-3 cr.)
- SLAV-P 301-P 302 Advanced Intermediate Polish I-II (3-3 cr.)
- SLAV-P 473-P 474 Fourth-Year Polish I-II (3-3 cr.)
- SLAV-R 201-R 202 Intermediate Russian I-II (4-4 cr.)
- SLAV-R 301-R 302 Advanced Intermediate Russian I-II (3-3 cr.)
- SLAV-R 325-R 326 Advanced Intermediate Oral Russian I-II (1-1 cr.)
- SLAV-R 401-R 402 Advanced Russian I-II (3-3 cr.)
- SLAV-R 425-R 426 Advanced Oral Russian I-II (3-3 cr.)
- SLAV-R 470 Political Russian (3 cr.)
- SLAV-S 201-S 202 Intermediate Serbian and Croatian I-II (3-3 cr.)
- SLAV-S 301-S 302 Advanced Intermediate Serbian and Croatian I-II (3-3 cr.)

## Second Language Studies

### Introduction

The Department of Second Language Studies offers an undergraduate minor, graduate degrees and certificates, and course work for nonnative speakers of English at all academic levels aimed at improving English language proficiency for academic purposes. Consult the department, the University Graduate School Bulletin or the departmental website (<http://www.indiana.edu/~dsls/>) for additional Second Language Studies course information.

### Contact Information

Department of Second Language Studies  
Indiana University  
Memorial Hall 315  
1021 East Third Street  
Bloomington, IN 47405-7005 U.S.A.

(812) 855-7951

[dsls@indiana.edu](mailto:dsls@indiana.edu)

<http://www.indiana.edu/~dsls>

### Faculty

#### Chairperson

- Professor Kathleen Bardovi-Harlig

#### Professors

- Kathleen Bardovi-Harlig
- Laurent Dekydtspotter

- Beverly Hartford (Emerita)
- Rex A. Sprouse

#### **Associate Professors**

- Isabelle Darcy
- Philip LeSourd
- David Stringer

#### **Assistant Professors**

- Debra Friedman
- SunYoung Shin
- Yucel Yilmaz

#### **Adjunct Professors**

- Kenneth de Jong (Linguistics)
- Kimberly Geeslin (Spanish and Portuguese)

#### **Adjunct Associate Professor**

- César Félix-Brasdefer (Spanish and Portuguese)

#### **Adjunct Assistant Professor**

- Öner Özcelik (Turkish)

#### **Lecturer**

- Linda Abe

#### **Academic Advising**

- [jeashcra@indiana.edu](mailto:jeashcra@indiana.edu), Owen Hall, (812) 855-4538

## **Minor in Second Language Studies**

#### **Requirements**

15 credit hours of course work, including:

1. S301.
2. Four courses chosen from S302, S304, S305, S306, S308, S312, and S319.

## **Course Descriptions (SLST)**

#### **Language and Culture**

**SLST-T 125 Academic Language and Culture at U.S. Universities for International Students (3 cr.)** P: For international students who have passed the IEPE (Indiana English Proficiency Exam). Introduction for international students to academic language and culture at universities within the United States with a focus on language and communication in use for interaction in the classroom setting and other learning environments. Engagement in academic, linguistic, and experiential discovery of the university as a cultural space with the goal of ensuring academic success.

#### **Undergraduate Second Language Studies**

**SLST-S 301 Introduction to Second Language Acquisition (3 cr.) CASE N&M** R: Two years of foreign/second language study. Introduces students to contemporary approaches to second language acquisition. Topics include models of second language acquisition, learner variables, the human capacity for language and its availability throughout the lifespan, developmental stages, and effects of instruction. Students will examine samples of learner language and analyze them on their own terms.

#### **SLST-S 302 The Successful Language Learner (3 cr.)**

**CASE N&M** R: Two years of foreign/second language study. Introduces students to the best practices for adult second language learners and to research on learner and learning variables underlying these practices.

#### **SLST-S 304 Language Revitalization (3 cr.) CASE**

**S&H** R: Two years of foreign/second language study. Half of the 6,000 languages spoken today are endangered. This course explores why languages are at risk and investigates how minority and indigenous languages can be revitalized. Case studies highlight practical solutions currently being used in diverse communities. Students choose a particular endangered language as their focus of study.

**SLST-S 305 Second Language Acquisition and Language Instruction (3 cr.) CASE** **S&H** R: Two years of foreign/second language study. Examines impact of advances in psychology and sociology on the definition of best practices in adult second and foreign language instruction.

#### **SLST-S 306 Acquiring New Language Systems (3 cr.) CASE**

**N&M** R: Two years of foreign/second language study. Examines the learning challenges associated with the acquisition of new languages in the domains of sound systems, word formation, sentence structure, and sentence interpretation.

#### **SLST-S 308 English Grammar and Second Language Acquisition (3 cr.) CASE**

**N&M** P: Two years of a second or foreign language, not necessarily at the college level. Introduces students to a formal approach to major structures of English morphosyntax within generative grammar, stressing hypothesis formation and testing. Review of empirical research on the cognitive effects of implicit and explicit grammar instruction.

#### **SLST-S 312 New Sounds: Foreign Accents and Pronunciation in a Second Language (3 cr.) CASE**

**N&M** Presents phonetic manifestations of foreign accent to describe what factors in a learner language might impact accent and intelligibility when speaking English. Introduces methods for teaching pronunciation to second language learners, and how to measure progress and develop strategies for specific pronunciation difficulties.

#### **SLST-S 319 Special Topics in Second Language Studies (3 cr.)** R: Two years of foreign/second

language study. Topics dealing with cognitive, social, or educational dimensions of second language acquisition or multilingualism. May be repeated with different topics for a maximum of 6 credit hours.

#### **English Language Improvement**

#### **SLST-T 101 English Language Improvement (1-12 cr.)**

Designed for the international student who needs instruction in English as a second language. The English Language Improvement Program provides part-time intermediate and advanced instruction for undergraduate and graduate students already admitted to Indiana University. Credit hours, though counting toward full-time student status, do not accrue toward the total number required for a degree. These are eight-week courses.

#### **Intensive English Program**

#### **SLST-T 060 Intensive English Program, Part-time**

**(First 7 weeks) (0 cr.)** Part-time Intensive English Program course. Placement determined by the IEP. Open only to eligible students. Topics will vary. May be taken multiple times in consecutive or concurrent terms with the same or different topics.



# Slavic and East European Languages and Cultures

## Introduction

The Department of Slavic and East European Languages and Cultures (SLAV) offers courses that meet a wide range of needs and interests in Russian, Polish, Czech, Bosnian/Croatian/Serbian, Ukrainian, Romanian and Old Church Slavonic.

Advanced language courses are not only for the department's majors, but also for students specializing in other disciplines, particularly in the social sciences, natural sciences, and other languages and literatures. The department offers literature, culture, and film courses that require no knowledge of a Slavic or East European language and that can be taken by any student interested in the Russian, Slavic, and East European area.

There is an intensive program during the summer that allows coverage of a full year of Russian and other Slavic and East European languages in eight weeks. By attending two such summer sessions in conjunction with a regular course of study, students can cover four years of Russian in two, or two years of another Slavic or East European language in one. Admission to the Summer Workshop in Slavic, East European, and Central Asian Languages is by application.

To ensure proper placement in language courses at all levels, transfer students and those who return to the study of a departmental language after a lapse of time are required to take a placement examination administered by the department prior to enrolling in a language course.

Majors and prospective majors are urged to consult early with the departmental academic advisor concerning the possibility of double majors and the scheduling of strong minors.

## Contact Information

Department of Slavic and East European Languages and Cultures  
Indiana University  
Ballantine Hall 502  
1020 E. Kirkwood Ave.  
Bloomington, IN 47405-7103

(812) 855-2608  
[iuslavic@indiana.edu](mailto:iuslavic@indiana.edu)

<http://www.indiana.edu/~iuslavic>

## Faculty

### Chairperson

- Russell Scott Valentino

### Professor

- Steven L. Franks (Linguistics)
- Russell Scott Valentino

### Associate Professors

- George Fowler
- Christina Illias (Classical Studies)
- Joanna Nizynska

### Assistant Professors

- Jacob Emery (Comparative Literature)
- Maria Shardakova
- Sara Stefani

### Faculty Emeriti

- Henry R. Cooper, Jr.
- Andrew Durkin
- Ronald F. Feldstein
- Howard Keller
- Dodona Kiziria
- Vadim Liapunov
- Nina Perlina
- Bronislava Volkova

### Senior Lecturers

- Craig Cravens
- Jeffrey Holdeman
- Miriam Shrager

### Lecturers

- Sofiya Asher (Second Language Studies)
- Arianne Stern-Gottschalk
- Svitlana Melnyk

### Visiting Lecturer

- Teuta Ismaili

### Adjunct Professors

- Bill Johnston (Comparative Literature)
- Dov-Ber Kerler (Germanic Studies)

### Adjunct Associate Professors

- Halina Goldberg (Jacobs School of Music)
- Joshua Malitsky (Communication and Culture)

### Adjunct Assistant Professor

- Michael Becker (Linguistics)

### Adjunct Professor of Practice

- Gene Coyle (School of Global and International Studies)

### Director of Graduate Studies

- George Fowler

### Director of Undergraduate Studies

- Jeffrey Holdeman

### Academic Advising

- Lana Spendl, Woodburn Hall 210, (812) 855-6308

## Major in Slavic Languages and Literatures

### The Russian Track

#### Purpose

This track is designed for students seeking advanced study of the Russian language and/or Russian literature, culture, or film. Students must also complete the degree requirements of the College of Arts and Sciences.

- R201-R202, R301-R302; R223, R263-R264.
- At least four Russian language, literature, culture, or film courses at the 300 level or higher (excluding R301-R302; R491-R492) and totaling a minimum of 12 credit hours.

Total: 35 credit hours.

### The Slavic Track

#### Purpose

This track is designed for students seeking a basic knowledge of a Slavic language other than Russian (Czech, Polish, Serbian and Croatian), and familiarization with its literature and culture in English translation. In addition, students either do work in another Slavic literature or culture in English translation (including Russian), or study another Slavic language (including Russian). Students must also complete the degree requirements of the College of Arts and Sciences. These courses do not count toward a major in the Russian track.

1. Czech Option: C101-C102, C201-C202, C363-C364; and line 4.
2. Polish Option: P101-P102, P201-P202, P363-P364; and line 4.
3. Serbian and Croatian Option: S101-S102, S201-S202, S363-S364; and line 4.
4. R353 and any three additional departmental language, literature, film, or culture courses at the 300 level or higher (excluding R491-R492) and totaling a minimum of 12 credit hours.

Total: 32 credit hours.

Contact the academic advisor to discuss the possibility of a Romanian option.

### Minor in Slavic Languages and Literatures

#### Required Courses

Five courses in Slavic and East European languages and cultures, totaling 15 College of Arts and Sciences credit hours at the 200 level or above. A maximum of 6 credit hours of 200-level intermediate courses may count toward the minor. The other 9 credit hours must be chosen from courses at the 300 level or above, excluding R491-R492.

### Departmental Honors Program

Students planning to undertake graduate work in Slavic languages and literatures are especially encouraged to take the departmental honors course S499 (the topic of which changes from year to year). Additional course work in the honors program should be arranged with the departmental advisor, including honors sections of departmental courses and graduate sections of departmental graduate/undergraduate joint offerings.

### Overseas Study

The university co-sponsors Russian and Czech programs administered by the Council on International Educational Exchange (CIEE) for a period of one academic year or semester (fall, spring, summer). Successful participation in these programs can earn students up to 15 hours (up to 17 hours in certain programs) of Indiana University credit per semester. Through the Polish Studies Center, IU also offers a study abroad program at Jagiellonian University in Kraków, Poland (fall, spring). Study abroad in other East and Central European countries is also possible. For information on these and other overseas study opportunities in Russia and Central and Eastern Europe, contact the Office of Overseas Study in the Leo R.

Dowling International Center, 111 South Jordan Avenue, (812) 855-9304 (<http://www.indiana.edu/~overseas/>).

### Summer Workshop in Slavic, East European, and Central Asian Languages

The Summer Workshop offers students an opportunity to accelerate their learning of Slavic, East European, Caucasian, and Central Asian languages by covering the equivalent of a year of college language study in eight weeks of intensive study and practice. Two summers of Russian study in the Workshop combined with two years of regular Russian language courses are equal to four years of non-intensive Russian language courses. Besides Russian, the Summer Workshop regularly offers first-year Polish, Czech, Serbian/Croatian, Romanian, Hungarian, and Georgian, as well as a number of languages from the Central Asian region.

### Slavic Languages at the Global Village Living-Learning Center

The department cooperates with the Global Village Living-Learning Center in offering housing options for students with common interests in Slavic languages and cultures. For further information, contact the Global Village, Foster-Martin 012, (812) 855-4552.

### Special Credit in Slavic Languages and Literatures

See the special credit section of the CASE Foreign Language Requirement.

### Secondary Teacher Certification

For information and advising, candidates should contact the School of Education advising office, Education 1000, [edhelp@indiana.edu](mailto:edhelp@indiana.edu), (812) 856-8500.

### Course Descriptions

#### Russian Language

Continuing students in first- and second-year language courses (102, 201-2) must have received a grade of C or higher in their previous language course. Continuing students in third and fourth year courses (301-2, 401-2) must have received a grade of B or higher in their previous language course. Exceptions to this rule are by permission of the department.

**SLAV-R 101 Elementary Russian I (4 cr.)** Introduction to contemporary Russian and aspects of Russian culture. Intensive drill and exercises in basic structure; development of vocabulary. Credit given for only one of R101, N111, or W301.

**SLAV-R 102 Elementary Russian II (4 cr.) P:** Grade of C or higher in R101 or equivalent. Introduction to contemporary Russian and aspects of Russian culture. Intensive drill and exercises in basic structure; development of vocabulary. Credit given for only one of R102, N112, N122, W302, or W351.

#### SLAV-R 114 Elementary Russian for Business

**Students (3 cr.)** Provides a foundation in both Russian language and Russian culture in a business context. Alternates between the teaching of the language and the culture of business in Russia. Students develop

foundational skills in language and communications, business culture, and Russian grammar.

**SLAV-R 200 Russian for Heritage Speakers I (3 cr.)**

P: Permission of department. Addresses specific needs of heritage speakers. Develops aspects of speaking, reading, writing, grammar, and cultural knowledge necessary to promote professional level proficiency, with special attention to vocabulary expansion. Cyrillic computer literacy and exposure to Russian culture through time. Students continue with R202 or higher.

**SLAV-R 201 Intermediate Russian I (4 cr.)** P: Grade of C or higher in R102 or equivalent. Continuation of work in structure and vocabulary acquisition through study of grammar, drills, and readings. Oral practice and written exercises. Credit given for only one of R201, N221, N231, W303, or W352.

**SLAV-R 202 Intermediate Russian II (4 cr.)** P: Grade of C or higher in R201 or equivalent. Continuation of work in structure and vocabulary acquisition through study of grammar, drills, and readings. Oral practice and written exercise. Credit given for only one of R202, N232, N242, W304 or W353.

**SLAV-R 301 Advanced Intermediate Russian I (3 cr.)** P: Grade of B or higher in R202 or equivalent. C: R325 or consent of department. Morphological, lexical, and syntactic analysis of a broad spectrum of textual materials with special emphasis on meaning. Development of oral and written fluency and comprehension. Remedial grammar and phonetics as required. Credit given for only one of R301, N341, N351, W305, or W354.

**SLAV-R 302 Advanced Intermediate Russian II (3 cr.)** P: Grade of B or higher in R301 or equivalent. C: R326 or consent of department. Morphological, lexical, and syntactic analysis of a broad spectrum of textual materials with special emphasis on meaning. Development of oral and written fluency and comprehension. Remedial grammar and phonetics as required. Credit given for only one of R302, N352, N362, W306, or W355.

**SLAV-R 325 Advanced Intermediate Oral Russian I (1 cr.)** P: R202 or consent of the department. Designed primarily for those interested in developing oral fluency. Sections in advanced conversation, recitation, and oral comprehension, supplemented by lab and drill in corrective pronunciation, dictation, and reading. May be repeated for a maximum of 2 credit hours.

**SLAV-R 326 Advanced Intermediate Oral Russian II (1 cr.)** P: R325 or R301, or consent of the department. Continuation and advanced treatment of topics covered in R325, as well as themes relating to current events. May be repeated for a maximum of 2 credit hours.

**SLAV-R 398 Special Credit in Slavic Languages**

(1-8 cr.) Students who successfully complete advanced Russian institutes at other universities, or special technical language programs, or the CIEE programs at St. Petersburg or similar programs in other Slavic or East European countries, or who skip sequential courses by advanced placement, will be given corresponding undistributed credit as certified by the department. May be repeated for a maximum of 14 credit hours.

**SLAV-R 401 Advanced Russian I (3 cr.)** P: Grade of B or higher in R302 or equivalent. Refinement of active

and passive language skills, with emphasis on vocabulary building and word usage. Extensive reading, discussion, composition writing. Individualized remedial drill in grammar and pronunciation aimed at preparing students to meet departmental language proficiency standards. Credit given for only one of R401, N461, N471, W307, or W356.

**SLAV-R 402 Advanced Russian II (3 cr.)** P: Grade of B or higher in R401 or equivalent. Refinement of active and passive language skills, with emphasis on vocabulary building and word usage. Extensive reading, discussion, composition writing. Individualized remedial drill in grammar and pronunciation aimed at preparing students to meet departmental language proficiency standards. Credit given for only one of R402, N472, or W357.

**SLAV-R 403 Russian Phonetics (3 cr.) CASE N&M**

P: R302 or equivalent. Elements of articulatory and acoustical phonetics and their application to a comparative study of Russian and English sound systems. Methods in teaching pronunciation and intonation. Error analysis and correction of student's own pronunciation in lab and drill sections.

**SLAV-R 404 Structure of Russian (3 cr.) CASE N&M**

Systematic description and analysis of the structure of modern Russian phonology, morphology, and word formation. Comparison to elements of English grammar is included.

**SLAV-R 405 Readings in Russian Literature I (3 cr.) CASE A&H**

P: R302 or equivalent. R: R263, R264. Reading, in the original, of important Russian literary works of the nineteenth and twentieth centuries. Discussion and analysis of the works.

**SLAV-R 406 Readings in Russian Literature II (3 cr.) CASE A&H**

P: R302 or equivalent. R: R263, R264. Reading, in the original, of important Russian literary works of the nineteenth and twentieth centuries. Discussion and analysis of the works.

**SLAV-R 407 Readings in Russian Culture, History, and Society I (3 cr.) CASE A&H** P: R302 or equivalent. Extensive translation from the original of selected works on Russian history, government, music, folklore, geography, culture. Discussion of both linguistic problems and content.

**SLAV-R 408 Readings in Russian Culture, History, and Society II (3 cr.) CASE A&H** P: R302 or equivalent. Extensive translation from the original of selected works on Russian history, government, music, folklore, geography, culture. Discussion of both linguistic problems and content.

**SLAV-R 421 Fifth-year Russian I (3 cr.)** P: Grade of B or higher in R402 or departmental approval. Develops linguistic and cultural proficiency in preparation for academic study or research in Russian.

**SLAV-R 422 Fifth-year Russian II (3 cr.)** P: Grade of B or higher in R421 or departmental approval. Develops linguistic and cultural proficiency in preparation for academic study or research in Russian.

**SLAV-R 425 Advanced Oral Russian I (1 cr.)** P: R302 or consent of the department. Designed primarily for those interested in maintaining or developing oral fluency.

Sections in advanced conversation, recitation and oral comprehension, dictation, and reading. May be repeated for a maximum of 2 credit hours.

**SLAV-R 426 Advanced Oral Russian II (1 cr.)** P: R425 or R401, or consent of the department. Continuation of R425. May be repeated for a maximum of 2 credit hours.

**SLAV-R 470 Political Russian (3 cr.)** P: Placement above third year or consent of instructor. Students will develop advanced language skills with a focus on international relations, economics, trade, national security, and arms control. Students will be exposed to such authentic materials as newspaper articles and audio excerpts from news broadcasts. Course goal is to develop functional proficiency in all basic language skills: reading, listening, speaking. Grammar review is part of the course.

**SLAV-R 472 Business Russian (3 cr.)** P: Placement above third year or consent of instructor. Acquisition of vocabulary and construction characteristic of business Russian. Reading of background literature. Special attention will be given to study of culture in business and non-business situations.

**SLAV-R 491 Russian for Graduate Students I (3-4 cr.)** Mastery of basic grammar followed by vocabulary building. Active control of Russian structure needed for productive reading; emphasis on problems of translation. Open with consent of instructor to undergraduates about to complete the B.A. requirement in another foreign language.

**SLAV-R 492 Russian for Graduate Students II (3-4 cr.)** Mastery of basic grammar followed by vocabulary building. Active control of Russian structure needed for productive reading; emphasis on problems of translation. Open with consent of instructor to undergraduates about to complete the B.A. requirement in another foreign language.

**SLAV-S 498 Supervised Individual Reading (1-3 cr.)** P: R302 or equivalent, consent of instructor. Reading, in the original, of materials in field of Slavic studies of particular interest to student. May be repeated for a maximum of 6 credit hours.

**SLAV-S 499 Senior Honors Seminar (1-6 cr.)** P: Approval of the departmental honors committee.

**SLAV-N 111 Summer Intensive Elementary Russian I (5 cr.)** Intensive summer equivalent of R101. Credit given for only one of N111, R101, or W301.

**SLAV-N 112 Summer Intensive Elementary Russian II (5 cr.)** P: R101 or equivalent. Intensive summer equivalent of R102. Credit given for only one of N112, N122, R102, W302, or W351.

**SLAV-N 122 Summer Intensive Elementary Russian II (5 cr.)** P: R101 or equivalent. Intensive summer equivalent of R102. Credit given for only one of N122, N112, R102, W302, or W351.

**SLAV-N 221 Summer Intensive Intermediate Russian I (5 cr.)** P: R102 or equivalent. Intensive summer equivalent of R201. Credit given for only one of N221, N231, R201, W303, or W352.

**SLAV-N 231 Summer Intensive Intermediate Russian I (5 cr.)** P: R102 or equivalent. Intensive summer equivalent

of R201. Credit given for only one of N231, N221, R201, W303, or W352.

**SLAV-N 232 Summer Intensive Intermediate Russian II (5 cr.)** P: R201 or equivalent. Intensive summer equivalent of R202. Credit given for only one of N232, N242, R202, W304, or W353.

**SLAV-N 242 Summer Intensive Intermediate Russian II (5 cr.)** P: R201 or equivalent. Intensive summer equivalent of R202. Credit given for only one of N242, N232, R202, W304, or W353.

**SLAV-N 341 Summer Intensive Advanced Intermediate Russian I (5 cr.)** P: R202 or equivalent. Intensive summer equivalent of R301. Credit given for only one of N341, N351, R301, W305, or W354.

**SLAV-N 351 Summer Intensive Advanced Intermediate Russian I (5 cr.)** P: R202 or equivalent. Intensive summer equivalent of R301. Credit given for only one of N351, N341, R301, W305, or W354.

**SLAV-N 352 Summer Intensive Advanced Intermediate Russian II (5 cr.)** P: R301 or equivalent. Intensive summer equivalent of R302. Credit given for only one of N352, N362, R302, W306, or W355.

**SLAV-N 362 Summer Intensive Advanced Intermediate Russian II (5 cr.)** P: R301 or equivalent. Intensive summer equivalent of R302. Credit given for only one of N362, N352, R302, W306, or W355.

**SLAV-N 461 Summer Intensive Advanced Russian I (5 cr.)** P: R302 or equivalent. Intensive summer equivalent of R401. Credit given for only one of N461, N471, R401, W307, or W356.

**SLAV-N 471 Summer Intensive Advanced Russian I (5 cr.)** P: R302 or equivalent. Intensive summer equivalent of R401. Credit given for only one of N471, N461, R401, W307, or W356.

**SLAV-N 472 Summer Intensive Advanced Russian II (5 cr.)** P: R401 or equivalent. Intensive summer equivalent of R402. Credit given for only one of N472, R402, or W357.

**Russian Literature and Culture in English Translation**  
Knowledge of Russian not required.

**SLAV-R 123 Masterworks of Russian Short Fiction (3 cr.)** CASE A&H, CASE GCC Masterpieces of Russian short fiction in a variety of literary modes, from the early nineteenth century to the present, with particular attention to Russian writers and works that have influenced the short story worldwide. Authors include Pushkin, Gogol, Turgenev, Chekhov, Babel, and Nabokov.

**SLAV-R 223 Introduction to Russian Culture (3 cr.)** CASE A&H, CASE GCC Survey of development of Russian culture and thought from medieval Russia to the present, as seen primarily through literature and the arts. No knowledge of Russian is necessary.

**SLAV-R 224 Contemporary Russian Culture (3 cr.)** CASE A&H, CASE GCC Survey of Russian culture from the late Soviet period to the present. Concentration on three simultaneous dichotomies: anthropological versus artistic culture; nationalism and classic Russian themes versus Western and postmodern trends; and popular

versus serious art, music, and literature. Knowledge of Russian not required.

**SLAV-R 229 Russian Folk Tales (3 cr.) CASE A&H, CASE GCC** Survey, analysis, and origins of traditional Russian folk tales based on thematic and structural classifications. Various approaches and theories are introduced in analyzing and interpreting folk tales, e.g., structural, formalist, thematic, and psychological. Pagan mythology, customs, and rituals are viewed as the possible origins of folktales. Influence of folk tales in music, arts, and cinema.

**SLAV-R 263 Pushkin to Dostoevsky (3 cr.) CASE A&H, CASE GCC** The golden age of the Russian novel; its social, cultural, and economic context; the flowering of art and music; the rise of the metropolis in association with poverty, alienation, quest for identity (both national and personal), as reflected in the romantic and realistic works of Pushkin, Gogol, Turgenev, and Dostoevsky. Knowledge of Russian not required.

**SLAV-R 264 Tolstoy to Solzhenitsyn (3 cr.) CASE A&H, CASE GCC** 1880 to present, a period of profound political, social, and intellectual ferment: the Bolshevik Revolution, Civil War, collectivization, the Stalinist purges, World War II, the collapse of the Soviet Union, and the rise of a "new" Russia. Knowledge of Russian not required.

**SLAV-R 334 Tolstoy and Dostoevsky (3 cr.) CASE A&H, CASE GCC** Two giants of world literature who have shaped not only modern cultural history but philosophy and politics as well. Major works of each author will be read within an international perspective. Knowledge of Russian not required.

**SLAV-R 349 Myth and Reality: Women in Russian Literature and in Life (3 cr.) CASE A&H, CASE GCC** The roles, creations, and status of women in Russian and cross-cultural perspectives; and historical, literary, and social roles of Russian women. Major female characters of classical Russian literature and works of the most substantial Russian women writers will be studied. Special attention will be paid to the current situation in Russian literature and society.

**SLAV-R 352 Russian and Soviet Film (3 cr.) CASE A&H, CASE GCC** Development of Russian cinematography from 1896 to the present. Characteristic features of Soviet films; the theory and practice of filmmaking in the former Soviet Union; the Soviet and Russian cinema in its relationship to Russian literature and in the larger context of European cinema art. Knowledge of Russian not required.

#### Other Slavic and East European Languages

**SLAV-C 101 Elementary Czech I (4 cr.)** No previous knowledge of Czech required. Introduction to basic structure of contemporary Czech language and to culture. Reading and discussion of basic texts. Credit given for only one of C101, C111, or C311.

**SLAV-C 102 Elementary Czech II (4 cr.)** P: Grade of C or higher in C101 or equivalent. Continuation of C101. Credit given for only one of C102, C122, or C312.

**SLAV-C 201 Intermediate Czech I (3 cr.)** P: Grade of C or higher in C102 or equivalent. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills, reading and

discussion of short texts. Credit given for only one of C201, C211, or C313.

**SLAV-C 202 Intermediate Czech II (3 cr.)** P: Grade of C or higher in C201 or equivalent. Continuation of C201. Credit given for only one of C202, C222, or C314.

**SLAV-C 301 Advanced Intermediate Czech I (3 cr.)** P: Grade of B or higher in C202 or equivalent. Development of oral and written fluency and comprehension in Czech language based on morphological, lexical, and syntactical analysis of contemporary textual materials.

**SLAV-C 302 Advanced Intermediate Czech II (3 cr.)** P: Grade of B or higher in C301. Development of oral and written fluency and comprehension in Czech language based on morphological, lexical, and syntactical analysis of contemporary textual materials.

**SLAV-C 111 Summer Intensive Elementary Czech I (4 cr.)** Intensive summer equivalent of C101. Credit given for only one of C101, C111, or C311.

**SLAV-C 122 Summer Intensive Elementary Czech II (4 cr.)** P: Grade of C or higher in C101 or equivalent. Intensive summer equivalent of C102. Credit given for only one of C102, C122, or C312.

**SLAV-C 211 Summer Intensive Intermediate Czech I (5 cr.)** P: Grade of C or higher in C102 or equivalent. Intensive summer equivalent of C201. Credit given for only one of C201, C211, or C313.

**SLAV-C 222 Summer Intensive Intermediate Czech II (5 cr.)** P: Grade of C or higher in C201 or equivalent. Intensive summer equivalent of C202. Credit given for only one of C202, C222, or C314.

**SLAV-G 111 Summer Intensive Elementary Georgian I (4 cr.)** Intensive summer equivalent of G101. Credit given for only one of G101, G111, or G311.

**SLAV-G 122 Summer Intensive Elementary Georgian II (4 cr.)** P: Grade of C or higher in G101 or equivalent. Intensive summer equivalent of G102. Credit given for only one of G102, G122, or G312.

**SLAV-G 211 Summer Intensive Intermediate Georgian I (5 cr.)** P: Grade of C or higher in G102 or equivalent. Continuation of work in structure and vocabulary acquisition through exercises, word formation, drills, reading, and discussion. Credit given for only one of G211 or G313.

**SLAV-G 222 Summer Intensive Intermediate Georgian II (5 cr.)** P: Grade of C or higher in G211, G313, or equivalent. Continuation of work in structure and vocabulary acquisition through exercises, word formation, drills, reading, and discussion. Credit given for only one of G222 or G314.

**SLAV-M 101 Elementary Romanian I (4 cr.)** No previous knowledge of Romanian required. Introduction to basic structure of contemporary Romanian language and to culture. Reading and discussion of basic texts. Credit given for only one of M101, M111, or M311.

**SLAV-M 102 Elementary Romanian II (4 cr.)** P: Grade of C or higher in M101, M111, or M311, or equivalent. Introduction to basic structure of contemporary Romanian

language and culture. Reading and discussion of basic texts. Credit given for only one of M102, M122, or M312.

**SLAV-M 201 Intermediate Romanian I (3 cr.)** P: Grade of C or higher in M102 or equivalent. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills, reading, and discussion of short stories. Credit given for only one of M201, M211, or M313.

**SLAV-M 202 Intermediate Romanian II (3 cr.)** P: Grade of C or higher in M201 or equivalent. Continuation of M201. Credit given for only one of M202, M222, or M314.

**SLAV-M 350 Readings in Romanian (1-3 cr.)** P: M202 or permission of instructor. Continuation of work in structure and vocabulary acquisition through grammar study, drills and readings, oral practice, and written exercises. May be repeated for a maximum of 12 credit hours.

**SLAV-M 111 Summer Intensive Elementary Romanian I (4 cr.)** Intensive summer equivalent of M101. Credit given for only one of M101, M111, or M311.

**SLAV-M 122 Summer Intensive Elementary Romanian II (4 cr.)** P: Grade of C or higher in M101 or equivalent. Intensive summer equivalent of M102. Credit given for only one of M102, M122, or M312.

**SLAV-M 211 Summer Intensive Intermediate Romanian I (5 cr.)** P: Grade of C or higher in M102 or equivalent. Intensive summer equivalent of M201. Credit given for only one of M201, M211, or M313.

**SLAV-M 222 Summer Intensive Intermediate Romanian II (5 cr.)** P: Grade of C or higher in M201 or equivalent. Intensive summer equivalent of M202. Credit given for only one of M202, M222, or M314.

**SLAV-P 101 Elementary Polish I (4 cr.)** Introduction to modern standard Polish—reading, writing, and speaking. Focus on learning grammatical patterns and building an active vocabulary. Credit given for only one of P101, P111, or P311.

**SLAV-P 102 Elementary Polish II (4 cr.)** P: Grade of C or higher in P101 or equivalent. Introduction to modern standard Polish—reading, writing, and speaking. Focus on learning grammatical patterns and building an active vocabulary. Credit given for only one of P102, P122, or P312.

**SLAV-P 201 Intermediate Polish I (3 cr.)** P: Grade of C or higher in P102 or equivalent. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills, reading, and discussion of short stories. Credit given for only one of P201, P211, or P313.

**SLAV-P 202 Intermediate Polish II (3 cr.)** P: Grade of C or higher in P201 or equivalent. Continuation of P201. Credit given for only one of P202, P222, or P314.

**SLAV-P 301 Advanced Intermediate Polish I (3 cr.)** P: Grade of B or higher in P202 or equivalent. Morphological, lexical, and syntactical analysis of a broad spectrum of textual materials with special emphasis on meaning. Development of oral and written fluency and comprehension.

### **SLAV-P 302 Advanced Intermediate Polish II**

**(3 cr.)** P: Grade of B or higher in P301 or equivalent. Morphological, lexical, and syntactical analysis of a broad spectrum of textual materials with special emphasis on meaning. Development of oral and written fluency and comprehension.

**SLAV-P 473 Fourth Year Polish I (3 cr.)** Refinement of active and passive language skills, with emphasis on vocabulary building and word usage. Extensive readings, discussion, composition writing. Individualized remedial drill in grammar and pronunciation.

**SLAV-P 474 Fourth Year Polish II (3 cr.)** Refinement of active and passive language skills, with emphasis on vocabulary building and word usage. Extensive readings, discussion, composition writing. Individualized remedial drill in grammar and pronunciation.

**SLAV-P 111 Summer Intensive Elementary Polish I (4 cr.)** Intensive summer equivalent of P101. Credit given for only one of P101, P111, or P311.

**SLAV-P 122 Summer Intensive Elementary Polish II (4 cr.)** P: Grade of C or higher in P101 or equivalent. Intensive summer equivalent to P102. Credit given for only one of P102, P122, or P312.

**SLAV-P 211 Summer Intensive Intermediate Polish I (5 cr.)** P: Grade of C or higher in P102 or equivalent. Intensive summer equivalent of P201. Credit given for only one of P201, P211, P313.

**SLAV-P 222 Summer Intensive Intermediate Polish II (5 cr.)** P: Grade of C or higher in P201 or equivalent. Intensive summer equivalent of P202. Credit given for only one of P202, P222, or P314.

**SLAV-Q 111 Summer Intensive Elementary Macedonian I (4 cr.)** No previous knowledge of Macedonian required. Introduction to basic structure of contemporary Macedonian language and to its culture. Reading and discussion of basic texts. Credit given for only one of Q101, Q111, or Q311.

**SLAV-Q 122 Summer Intensive Elementary Macedonian II (4 cr.)** P: Grade of C or higher in Q111, Q101, or Q311, or equivalent. Continuation of Q111. Credit given for only one of Q102, Q122, or Q312.

**SLAV-S 101 Elementary Serbian and Croatian I (4 cr.)** No previous knowledge of Serbian or Croatian required. Introduction to basic structure of contemporary Serbian and Croatian language and to culture. Reading and discussion of basic texts. Credit given for only one of S101, S111, or S311.

**SLAV-S 102 Elementary Serbian and Croatian II (4 cr.)** P: Grade of C or higher in S101 or equivalent. Continuation of S101. Credit given for only one of S102, S122, or S312.

**SLAV-S 201 Intermediate Serbian and Croatian I (3 cr.)** P: Grade of C or higher in S102 or equivalent. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills, reading and discussion of short stories. Credit given for only one of S201, S211, or S313.

**SLAV-S 202 Intermediate Serbian and Croatian II (3 cr.)** P: Grade of C or higher in S201 or equivalent.

Continuation of S201. Credit given for only one of S202, S222, or S314.

**SLAV-S 301 Advanced Intermediate Serbian and Croatian I (3 cr.)** P: Grade of B or higher in S202 or equivalent. Reading of literary texts from a variety of periods and locations in the Bosnian-Croatian-Serbian speech area. Sequence of readings in original parallels syllabus of S363-S364 in translation. Review of grammar, syntax, and expansion of lexicon as needed.

**SLAV-S 302 Advanced Intermediate Serbian and Croatian II (3 cr.)** P: Grade of B or higher in S301. Reading of literary texts from a variety of periods and locations in the Bosnian-Croatian-Serbian speech area. Sequence of readings in original parallels syllabus of S363-S364 in translation. Review of grammar, syntax, and expansion of lexicon as needed.

**SLAV-S 401 Fourth-Year Bosnian/Croatian/Serbian I (3 cr.)** P: Grade of B or higher in SLAV-S302 or equivalent proficiency; or consent of the instructor. Focuses on advanced speaking, listening, reading, and writing. Incorporates major cultural aspects of Croatia, Serbia, Bosnia and Herzegovina throughout the instructional materials.

**SLAV-S 402 Fourth-Year Bosnian/Croatian/Serbian II (3 cr.)** P: Grade of B or better in SLAV-S401 or equivalent proficiency, or consent of the instructor. Fourth-year second semester of Bosnian-Croatian-Serbian, focusing on advanced speaking, listening, reading, and writing. Major cultural aspects of Croatia, Serbia, and Bosnia and Herzegovina are also incorporated throughout the instructional materials.

**SLAV-S 111 Summer Intensive Elementary Bosnian/Croatian/Serbian I (4 cr.)** Intensive summer equivalent of S101. Credit given for only one of S101, S111, or S311.

**SLAV-S 122 Summer Intensive Elementary Bosnian/Croatian/Serbian II (4 cr.)** P: Grade of C or higher in S101 or equivalent. Intensive summer equivalent of S102. Credit given for only one of S102, S122, or S312.

**SLAV-S 211 Summer Intensive Intermediate Croatian/Serbian I (5 cr.)** P: Grade of C or higher in S102 or equivalent. Intensive summer equivalent of S201. Credit given for only one of S201, S211, or S313.

**SLAV-S 222 Summer Intensive Intermediate Croatian/Serbian II (5 cr.)** P: Grade of C or higher in S201 or equivalent. Intensive summer equivalent of S202. Credit given for only one of S202, S222, or S314.

**SLAV-U 101 Elementary Ukrainian I (4 cr.)** No previous knowledge of Ukrainian required. First semester designed to provide active command of phonology and basic grammatical patterns of Ukrainian. Credit given for only one of U101, U111, or U311.

**SLAV-U 102 Elementary Ukrainian II (4 cr.)** P: Grade of C or higher in U101 or equivalent. Continuation of U101, designed to provide active command of phonology and basic grammatical patterns. Credit given for only one of U102, U122, Y182, or U312.

**SLAV-U 111 Summer Intensive Elementary Ukrainian I (4 cr.)** No previous knowledge of Ukrainian required. Intensive summer equivalent of U101, designed to provide active command of phonology and basic grammatical

patterns of Ukrainian. Credit given for only one of U101, U111, or U311.

**SLAV-U 122 Summer Intensive Elementary Ukrainian II (4 cr.)** P: U101 or equivalent. Intensive summer equivalent of U102, designed to provide active command of phonology and basic grammatical patterns. Credit given for only one of U102, U122, U182, or U312.

**SLAV-U 182 Ukrainian Through Russian (3 cr.)** P: at least one year of Russian or another Slavic language, or permission of the instructor. An accelerated Ukrainian language course for those who have previous experience with Russian or another Slavic language. Primarily a four-skill-based (i.e., speaking, listening, reading, writing) language class. Comparisons with Russian are made to clarify grammar points and facilitate the mastery of Ukrainian. Covers at least one year of basic Ukrainian. Credit given for only one of U182, U101-U102, U111-U122, or U311-U312.

**SLAV-U 211 Summer Intensive Intermediate Ukrainian I (5 cr.)** P: U122, U102, or U312, or equivalent. Continuation of work in structure and vocabulary acquisition through grammar study, drills, and readings. Oral practice and written exercises.

**SLAV-U 222 Summer Intensive Intermediate Ukrainian II (5 cr.)** P: U211 or equivalent. Continuation of work in structure and vocabulary acquisition through grammar study, drills, and readings. Oral practice and written exercises.

#### **Other Slavic Literatures and Cultures in English Translation**

Knowledge of Slavic languages not required.

**SLAV-C 223 Introduction to Czech Culture (3 cr.) CASE A&H, CASE GCC** Introduction to history, literature, visual arts, music, film, and theatre of the Czechs.

**SLAV-C 363 History of Czech Literature and Culture (3 cr.) CASE A&H, CASE GCC** A history of the Czech lands and their art, literature, and music from the ninth through the late nineteenth centuries. Some discussion of Slovak language and literature also included.

**SLAV-C 364 Modern Czech Literature and Culture (3 cr.) CASE A&H, CASE GCC** Survey of literary, cultural, historical and political developments of the Czech lands from the late nineteenth century through the present. Some discussion of Slovak language and literature and émigré literature also included.

**SLAV-C 365 Seminar in Czech and Central European Literatures and Cultures (3 cr.) CASE A&H, CASE GCC** Focus on either Czech or Central European literature and culture; intensive study of an author, a period, or a literary or cultural development. Readings and lectures in English. May be repeated for a maximum of 6 credit hours. May be repeated for a maximum of 6 credit hours.

**SLAV-C 366 Czech Cinema (3 cr.) CASE A&H, CASE GCC** Introduces important trends and movements within the history of Czech cinematography. Places the films in their historical, cultural, and political contexts and illustrates how Czech films captured the life of Czech society during different periods. Examines the region of

the Czech Republic/Czechoslovakia and Central Europe: its history, geography, ethnography and languages.

**SLAV-P 223 Introduction to Polish Culture (3 cr.) CASE A&H, CASE GCC** Survey of Polish culture from the origins of the Polish state to modern times. Important historical, political, and social developments and trends as seen through literature, art, science, music, architecture, and political documents. Knowledge of Polish not required.

**SLAV-P 363 Survey of Polish Literature and Culture I (3 cr.) CASE A&H, CASE GCC** Polish literature in English translation from its origins to the end of the nineteenth century in its historical and sociopolitical context. Knowledge of Polish not required.

**SLAV-P 364 Survey of Polish Literature and Culture II (3 cr.) CASE A&H, CASE GCC** Polish literature in English translation from the end of the nineteenth century to the present in the larger European context. Knowledge of Polish not required.

**SLAV-P 365 Topics in Polish Literature and Culture (3 cr.) CASE A&H, CASE GCC** P: P364 or consent of instructor. Discussion of the verbal-visual relationship as presented in Polish literature and in major theoretical works. Knowledge of Polish not required.

**SLAV-P 366 Polish Film (3 cr.) CASE A&H, CASE GCC** An exploration of the postwar history of Polish cinema, made famous worldwide by directors such as Wajda, Kieslowski, and Polanski. Topics of interest include the cinema of moral anxiety (1970s); absurd comedies depicting life under communism; adaptations of literary classics; and new topics and genres in Polish film after 1989.

**SLAV-R 353 Central European Cinema (3 cr.) CASE A&H, CASE GCC** Broad cultural overview of Central European cinema, highlighting major developments of cinema in Poland, Hungary, Bulgaria, and the former Republics of Czechoslovakia and Yugoslavia in the post-Stalin era. Special attention will be given to the individual style and aesthetics of several major film directors.

**SLAV-S 149 Special Topics in Slavic Studies (1-3 cr.)** Study and analysis of literary and/or cultural issues and problems in the Slavic studies area. Variable topics ranging from a study of a single novel to selected works of Slavic literature in their historical and cultural contexts. May be repeated with different topics for a maximum of 9 credit hours.

**SLAV-S 223 Introduction to Balkan and South Slavic Cultures (3 cr.) CASE A&H, CASE GCC** Survey of the cultures of Slovenia, Croatia, Bosnia and Herzegovina, Serbia, Montenegro, Macedonia, Bulgaria, Albania, and Romania, concentrating on the modern period. Lectures and readings in English. May be repeated with different topics for a maximum of 9 credit hours.

**SLAV-S 320 Special Topics in Slavic Studies (1-3 cr.)** Study and analysis of literary and cultural issues and problems in the Slavic studies area. Variable topics ranging from a study of a single novel or genre to selected themes of Slavic literature in their historical and cultural contexts. Topics will vary from semester to semester. May be repeated with different topics for a maximum of 9 credit hours.

**SLAV-S 363 Literature and Culture of the Southern Slavs I (3 cr.) CASE A&H, CASE GCC** Survey of the history and cultures of the Croats, Slovenes, Serbs, Macedonians, and Bulgarians from prehistory to the present. Readings and lectures in English.

**SLAV-S 364 Literature and Culture of the Southern Slavs II (3 cr.) CASE A&H, CASE GCC** Survey of the history and cultures of the Croats, Slovenes, Serbs, Macedonians, and Bulgarians from prehistory to the present. Readings and lectures in English.

**SLAV-T 230 Topics in Slavic Literatures and Cultures (3 cr.) CASE A&H, CASE GCC** Selected topics from Slavic and East European literatures and cultures. May be repeated with different topics for a maximum of 9 credit hours.

**SLAV-T 241 Central and East European Immigration and Ethnic Identity in the U.S. (3 cr.) CASE S&H, CASE DUS** An area studies exploration of the ways in which people of Central and East European heritage express and adapt their ethnic identities in a United States context. With departmental approval, may be repeated with a different topic for a maximum of 6 credit hours.

**SLAV-T 252 Introduction to the Slavic Languages (3 cr.) CASE N&M** An introductory course on the linguistic analysis of Slavic languages. With departmental approval, may be repeated with a different topic for a maximum of 6 credit hours.

**SLAV-U 223 Introduction to Ukrainian Culture (3 cr.) CASE A&H, CASE GCC** Survey of Ukrainian culture from Kyivan Rus to the present, including such diverse facets of Ukrainian culture as folklore, language, art, literature, and modern pop-culture. Readings are supplemented by documentaries, cartoons, and music. Knowledge of Ukrainian not required.

## Related Courses

See listings under Russian and East European Institute.

# Sociology

## Introduction

Sociology is the scientific study of society and of human social interaction as organized in systems of social relationships, organizations, and institutions. It seeks to explain the order, disorder, and change that characterize social life as well as their implications for individuals. Major subfields offered by the Department of Sociology (SOC) include social psychology; deviance; social inequality; medical sociology; and the study of the family, schools, gender roles, ethnic and racial groups, and social classes.

## Contact Information

Department of Sociology  
Indiana University  
Ballantine Hall 744  
Bloomington, IN 47405

(812) 855-4127  
[SOCADM@indiana.edu](mailto:SOCADM@indiana.edu)

<http://www.indiana.edu/~soc>

## Faculty

### Chairperson

- Eliza Pavalko

### Distinguished Professor

- Bernice Pescosolido

### Virginia L. Roberts Professor

- Peggy A. Thoits

### Rudy Professors of Sociology

- E. Clem Brooks
- Thomas Gieryn
- Brian Powell
- Pamela Walters

### Chancellor's Professors

- J. Scott Long
- Robert Robinson

### Allen D. and Polly S. Grimshaw Professor

- Eliza Pavalko

### Professors

- Arthur Alderson
- Donna Eder
- Pamela Jackson
- Jane McLeod
- Martin Weinberg
- David Zaret

### Associate Professors

- Laurel Cornell
- Timothy Hallett
- Patricia McManus
- Ethan Michelson
- Fabio Rojas
- Brian Steensland

### Assistant Professors

- Keera Allendorf
- Weihua An
- Steven Benard
- Jessica Calarco
- Youngjoo Cha
- Andrew Halpern-Manners
- Jennifer C. Lee
- Catherine Taylor

### Lecturer

- Christine M. Von Der Haar

### Academic Advising

- [helkins@indiana.edu](mailto:helkins@indiana.edu), Ballantine 749, (812) 855-4233@

## Major in Sociology

### Purpose

The major is designed to acquaint students with basic principles, methods, and findings in sociology and to provide students with an opportunity to discover and to understand the social nature of their world. Provision is made for students who wish to acquire a general background as well as for those who wish to develop particular interests in a subfield of sociology. The major provides a foundation for careers in many professional

fields, such as law, social service administration, and business, as well as for graduate training as professional sociologists in government, business, community agencies, research organizations, or universities.

### Required Courses

Students must complete a minimum of 30 credit hours of course work as follows:

1. S100.
2. One additional course from S101, S105, S110, S122, S201, S210, S215, S217, S220, S230.
3. S340, S370, and S371.
4. Nine credit hours at the 300 or 400 level (excluding S340, S370, S371, and the 400-level capstone course).
5. One 3 credit 400-level Capstone Seminar. (The following courses do not qualify as Capstone Seminars: S491, S492, S493, S494, and S495.) With approval of the honors thesis director, S498 or S499 may be counted toward this requirement.

Students must complete the degree requirements of the College of Arts and Sciences.

## Interdepartmental Major in Sociology and African American and African Diaspora Studies

### Required Courses

Students must meet the following course requirements for a minimum total of 40 credit hours.

### Sociology

At least 21 credit hours, of which at least 12 credit hours must be at the 300 level or above, including:

1. One course from the following:
  - S100 Introduction to Sociology
  - S210 The Economy, Organizations, and Work
  - S215 Social Change
  - S230 Society and the Individual
2. S110 Charts, Graphs, and Tables.
3. S217 Social Inequality.
4. S335 Race and Ethnic Relations.
5. Three additional courses in sociology at the 300–400 level.

### African American and African Diaspora Studies

At least 18 credit hours, of which at least 12 credit hours must be at the 300 level or above, including:

1. A150 Survey of the Culture of Black Americans
2. A355 African American History I or A356 African American History II
3. A379 Early Black American Writing or A380 Contemporary Black American Writing
4. 9 additional credit hours from the History, Culture, and Social Issues Concentration. These 9 credit hours must include the Senior Seminar. (Majors are strongly encouraged to take A363 Research on Contemporary African American Problems I when it is taught.)

Students must also complete the degree requirements of the College of Arts and Sciences.

## Combined Programs

Degree programs combining sociology with journalism, business, urban studies, or other fields are available. Consult the academic advisor in the Department of Sociology, Ballantine Hall 749. Double majors should also consult the College of Arts and Sciences requirements.

## Certificate in Social Research in Health and Medicine

### Purpose

The certificate provides students with an in-depth exposure to social science approaches to health and health behavior. Students obtain basic training in social science, research methods, and statistics, and foster an interdisciplinary perspective in health that prepares them for the modern world of medicine, nursing, and health policy.

### Required Courses

The certificate requires 24 credit hours of social research and methodology course work related to health and medicine.

1. Choose two basic social science courses (6 cr.) from the following:
  - SOC-S 100 Introduction to Sociology
  - SOC-S 101 Social Problems and Policies: Medicine in America
  - PSY-P 100 Introduction to Psychology
  - ANTH-E 260 Culture, Health and Illness
2. SOC-S 370 (3 cr.), and one statistics course (3 cr.) from the following:
  - SOC-S 110 Charts, Graphs, and Tables
  - SOC-S 371 Statistics in Sociology
  - PSY-K 300 Statistical Techniques
  - ECON-E 370 Statistical Analysis for Business and Economics
  - ECON-S 370 Statistical Analysis for Business and Economics, Honors
  - STAT-K 310 Statistical Techniques
  - MATH-K 310 Statistical Techniques
3. Choose three courses (9 cr.) from advanced study in social science and health courses, such as
  - ANTH-B 260 Biocultural Medical Anthropology
  - ANTH-B 312 Evolutionary Medicine
  - ANTH-B 340 Hormones and Human Behavior
  - ANTH-B 480 Human Growth and Development
  - SPH-B 310 Health Care in Diverse Communities
  - SPH-H 311 Human Diseases and Epidemiology
  - PSY-P 324 Abnormal Psychology
  - PSY-P 303 Health Psychology
  - PSY-P 315 Developmental Psychology
  - SOC-S 305 Population
  - SOC-S 324 Mental Illness
  - SOC-S 358 Social Issues in Health and Medicine
  - SPEA-H 322 Principles of Epidemiology
  - SPEA-H 324 Health Policy
  - SPEA-H 354 Health Economics

- SPEA-H 411 Chronic and Long-Term Care Administration
- 4. One capstone course (3 cr.) chosen from
  - SOC-S 410 Topics in Social Organization (with health-related focus) or
  - SOC-S 431 Topics in Social Psychology (with health-related focus) or
  - SOC-S 498 or
  - S499 Honors thesis seminar or
  - Another comparable course with a medical focus in a social science discipline.

## Minor in Sociology

### Required Courses

Students must complete 15 credit hours of sociology; at least 9 credit hours must be taken on the Bloomington campus. The total of 15 credit hours must be completed with grades of C- or better and an overall GPA of 2.000 in Sociology.

Included in the 15 credit hours of sociology are:

1. One of the following: S100, S105, S110, S122, S201, S210, S215, S217, S220, S230.
2. Three sociology courses (9 credit hours) at the 300–400 level.
3. An additional sociology course at any level.

Students whose major department requires a minor should consult with their advisor about additional or other requirements. Students who have questions about an appropriate statistics course should consult the advisor.

## Minor in Sociology of Work and Business

### Purpose

This minor offers students the opportunity to certify an area of concentration that examines the social context within which business activities take place and the social processes that shape economic organizations. The minor encourages students to explore implications of trends in families, gender roles, race and ethnic relations, and other noneconomic areas of social life for understanding the organization and future prospects of business in America. For students in the Kelley School of Business, the minor documents completion of an integrated course of study on the impact of social trends on work and occupations. For students in the College of Arts and Sciences and other schools of the university, the minor certifies that they have combined the study of work and occupations with their major field of concentration. Students may not earn both a minor in sociology and a minor in sociology of work and business.

### Required Courses

The minor requires completion of 15 credit hours, including:

1. Either S100, S110, or S101 (see advisor for approved sections of S101).
2. Four courses, including at least 9 hours at the 300–400 level, from S210\*, S215, S217, S302\*, S305, S308, S315\*, S316, S335, S338, S346\*, S410, S450.\* (See advisor for approved sections of S410 and S450.)

3. At least 9 credit hours of the above courses must be taken in residence at the Bloomington campus.

\*The department recommends that students who select the minor in sociology of work and business take these courses because of their immediate relevance to work and occupation. Students may substitute a 400-level seminar, with an appropriate topic, for one of the four courses, with the approval of the director of undergraduate studies.

## Minor in Social Science and Medicine

### Purpose

This minor allows students to explore the social origins of health and disease and the delivery and consumption of medical services, paying special attention to relevant social, historical, behavioral, and ethical contexts. The minor, which is organized in five concentrations, facilitates and certifies a greater understanding of the social context of health than could be achieved in a less integrated course of study. It emphasizes a multidisciplinary approach to health issues that establishes a bridge between the social sciences and health profession studies.

### Required Courses

The minor requires completion of 15 credit hours from courses approved for the Minor in Social Science and Medicine, including:

1. SOC-S 101 Topics in Social Programs and Policies (3 cr.) **CASE S&H** Approved topic: Medicine in America.
2. At least 6 additional credit hours of approved courses within the College of Arts and Sciences, of which at least 3 credit hours must be at the 300–400 level.
3. Up to 6 credit hours in approved courses from outside the College may be included in the minor.
4. A minimum of 9 credit hours must be at the 300–400 level.

The five concentrations in the Social Science and Medicine minor include:

### Health Care and Society

A social science-focused minor that examines social factors defining health status and approaches to care.

### Social Changes in Treatment and Health Care Organization

Social perspectives on the delivery and evaluation of care.

### Mental Illness and Society

Social and biological factors in mental health.

### Social Factors in Community Health

Epidemiologic approaches to the study of health status and health needs of populations, rather than that of individuals.

### Decision Making in Seeking and Providing Care

Preparing patients and providers as partners in clinical and ethical decisions.

See sociology advisor or the Web at [www.indiana.edu/~soc/index.shtml](http://www.indiana.edu/~soc/index.shtml) for a list of requirements and approved courses.

## Departmental Honors Program

The honors program in sociology permits outstanding students to pursue important issues and problems in depth. Students must have a 3.300 GPA or higher and a minimum of a 3.500 GPA in the major to begin the honors program. To graduate with honors in sociology, students must complete a minimum of 30 credit hours in sociology and complete an honors thesis as part of a two-semester honors seminar sequence (S498-S499) and a one-semester graded independent readings course (S495).

## Overseas Study

Students are encouraged to study abroad, particularly in Indiana University overseas study programs, where they can continue to make progress toward their degrees and apply financial aid to program fees. For information about study abroad, contact the Office of Overseas Study, Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304, ([www.indiana.edu/~overseas](http://www.indiana.edu/~overseas)).

## Course Descriptions

### **SOC-H 100 Introduction to Sociology—Honors (3 cr.)**

**CASE S&H** Introduction to the central concepts, methods, and theoretical orientations of sociology. Develops a critical/analytical attitude toward societal institutions.

### **SOC-S 100 Introduction to Sociology (3 cr.) CASE S&H**

Introduction to the concepts and methods of sociology with an emphasis on understanding of contemporary American society.

### **SOC-S 101 Social Problems and Policies (3 cr.) CASE S&H**

Introduces sociology through in-depth study of a major social problem; examines research on the problem; and explores alternative policies. Problems treated vary by section. Examples include the environment; women, men, and work; medicine in America; the sociology of sport; alcohol and drug use. May be repeated with different topics for a maximum of 15 credit hours. May be counted only once in the major toward departmental requirements.

### **SOC-S 105 Community Problems and Outreach (3 cr.) CASE S&H**

By combining traditional classroom learning with community outreach, this course offers the unique opportunity to acquire both academic and experiential knowledge of social problems currently facing the Bloomington community. The focus of our academic inquiry and community outreach will center around, but will not be limited to, the following social problems: poverty, homelessness, child abuse, and domestic violence.

### **SOC-S 110 Charts, Graphs, and Tables (3 cr.) CASE N&M**

Introduces sociology by developing students' skills as consumers and producers of charts, graphs, and tables. Data displays are used to illustrate social trends in crime, divorce, and the economy; to assess political programs; and to test social science theories. Students will learn how to find information on the World Wide Web and in government documents; how to read, interpret, and evaluate the accuracy of graphical information, and how to present social trends and comparisons in interesting visual formats.

### **SOC-S 122 Envisioning the City (3 cr.) CASE S&H**

Students conduct field research in a city in order to understand the relationship between the built environment

and social problems such as obesity and residential segregation. Addresses approaches to resolving these problems through community action.

**SOC-S 201 Social Problems (3 cr.) CASE S&H** Social problems analyzed from the perspective of major sociological theories. Specific problems include poverty and inequality; crime, violence, and law enforcement; institutional problems (education, economy, family, health); globalization in the twenty-first century.

**SOC-S 210 The Economy, Organizations, and Work (3 cr.) CASE S&H** Explores the transformation of capitalism and industrialized societies, the evolution of organizations such as corporations, government agencies, educational systems, and others, and the changing world of work.

**SOC-S 215 Social Change (3 cr.) CASE S&H** Introduction to theoretical and empirical studies of social change. Explores issues such as modernization; rationalization; demographic, economic, and religious causes of change; and reform and revolution.

**SOC-S 217 Social Inequality (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. Why are income, wealth, and status distributed unequally? Is social inequality good for society? Explores the economic basis of social class, education, and culture; social mobility; social inequality in comparative and historical perspective.

**SOC-S 220 Culture and Society (3 cr.) CASE S&H** Explores changing beliefs about the role of ideas, values, and symbols in society. Considers recent public debates over the content and practices of science, morality, art, and popular culture.

**SOC-S 230 Society and the Individual (3 cr.) CASE S&H** Introduction to the concepts, perspectives, and theories of social psychology from the level of the individual to collective behavior. Credit not given for both S230 and H230.

**SOC-S 302 Organizations in Society (3 cr.) CASE S&H** Analysis of the internal structure of firms and other complex organizations, and their power in society. Considers how organizations are shaped by the state, suppliers, competitors, and clients; investigates how organizational structure shapes attitudes of managers and workers. Other topics include technology and organizational culture, organizational birth, death, and adaptation processes.

**SOC-S 305 Population (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. Population composition, fertility, mortality, natural increase, migration; historical growth and change of populations; population theories and policies; techniques in manipulation and use of population data; and the spatial organization of populations.

**SOC-S 308 Global Society (3 cr.) CASE S&H, CASE GCC** P: 3 credit hours of sociology or consent of instructor. Multinational corporations, new information technologies, and international trade have made the world increasingly interdependent. This course considers how business, technology, disease, war, and other phenomena must be seen in a global context as affecting national

sovereignty, economic development, and inequality in resources and power between countries.

**SOC-S 309 The Community (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. Introduction to the sociology of community life, stressing the processes of order and change in community organization. Major topics include the community and society, the nonterritorial community, analysis of major community institutions, racial-ethnic differences in community behavior, community conflict and community problems.

**SOC-S 311 Politics and Society (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. Interrelations of politics and society, with emphasis on formation of political power, its structure, and its change in different types of social systems and cultural-historical settings.

**SOC-S 312 Education and Society (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. The role of educational institutions in modern industrialized societies, with emphasis on the functions of such institutions for the selection, socialization, and certification of individuals for adult social roles. Also covers recent educational reform movements and the implications of current social policies on education.

**SOC-S 313 Religion and Society (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. The nature, consequences, and theoretical origins of religion, as evident in social construction and functional perspectives; the social origins and problems of religious organizations; and the relationships between religion and morality, science, magic, social class, minority status, economic development, and politics.

**SOC-S 315 Work and Occupations (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. Treats work roles within such organizations as factory, office, school, government, and welfare agencies; career and occupational mobility in work life; formal and informal organizations within work organizations; labor and management conflict and cooperation; and problems of modern industrial workers.

**SOC-S 316 The Family (3 cr.) CASE S&H** Explores the role of the family as a social institution. Topics include variations in courtship behavior, family formation, and kinship patterns; the care of children and other dependents; changes in work patterns, marriage, divorce, and cohabitation over time; the linkages between the family, the workplace, and the state.

**SOC-S 317 Inequality (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. Nature, functioning, and maintenance of systems of social stratification in local communities and societies. Correlates and consequences of social class position and vertical mobility.

**SOC-S 319 Science, Technology, and Society (3 cr.) CASE S&H** P: 3 credit hours of sociology or consent of instructor. Issues such as development and structure of the scientific community; normative structure of science; cooperation, competition, and communication among scientists; scientists' productivity, careers, and rewards;

development of scientific specialties; and relationship between science and society.

**SOC-S 320 Deviant Behavior and Social Control (3 cr.)**

**CASE S&H** P: 3 credit hours of sociology or consent of instructor. Analysis of deviance in relation to formal and informal social processes. Emphasis on deviance and respectability as functions of social reactions, characteristics of rules, and power and conflict.

**SOC-S 321 Sexual Diversity (3 cr.) CASE S&H**

Sociological examination of diversity in several dimensions of human sexuality: sexual definitions, incidence of various behaviors, intensity of sexual response, sexual object choice, and other modes of sexual expression.

**SOC-S 324 Mental Illness (3 cr.) CASE S&H**

P: S230 or consent of instructor. Social factors in mental illness: incidence and prevalence by social and cultural categories; variations in societal reaction; social organization of treatment institutions.

**SOC-S 325 Criminology (3 cr.) CASE S&H**

P: 3 credit hours of sociology or consent of instructor. Factors in genesis of crime and organization of criminal behavior from points of view of the person and the group.

**SOC-S 326 Law and Society (3 cr.) CASE S&H**

P: 3 credit hours of sociology or consent of instructor. Social

origins of civil and criminal law, social bases of legal

decision making, and social consequences of the

application of law.

**SOC-S 329 Women and Deviance (3 cr.) CASE S&H**

Using theoretical models of women and deviance, this course examines gender norms and roles in crime, detective fiction, mental illness, alcoholism, drug addiction, lesbianism, rape, and abortion.

**SOC-S 335 Race and Ethnic Relations (3 cr.) CASE**

**S&H, CASE DUS** P: 3 credit hours of sociology or consent of instructor. Relations between racial and ethnic minority and majority groups; psychological, cultural, and structural theories of prejudice and discrimination; comparative analysis of diverse systems of intergroup relations.

**SOC-S 338 Gender Roles (3 cr.) CASE S&H**

P: 3 credit hours of sociology or consent of instructor. Exploration of the properties, correlates, and consequences of gender roles in contemporary societies. Emphasis on defining gender roles, tracing their historical development, and considering their implications for work, marriage, and fertility with cross-cultural comparisons.

**SOC-S 339 The Sociology of Media (3 cr.) CASE S&H**

P: 3 credit hours of sociology or consent of instructor. The mass media (print, radio, and television) have come to play an increasingly important role in society. This course explores the effects of the mass media on public opinion, crime and violence, social integration, and values. Mass media messages and audiences will also be considered.

**SOC-S 340 Social Theory (3 cr.) CASE S&H**

P: 3 credit hours of sociology or consent of instructor. Sociological theory, with focus on content, form, and historical development. Relationships between theories, data, and sociological explanation.

**SOC-S 342 Asian American Communities and**

**Identities (3 cr.) CASE S&H, CASE DUS** This course takes a sociological approach to examining the

communities, cultures, and identities of Asians in the United States. It situates Asian American experiences within broader social and historical contexts in order to address questions about who is viewed as American and how Asian Americans establish and maintain their ethnic identities.

**SOC-S 344 Sociology of Childhood (3 cr.) CASE S&H**

P: 3 credit hours of sociology or consent of instructor. Analysis of childhood as a structural form and children as social agents who contribute to societal reproduction and change. Considers the relation of childhood to other social institutions and children's contributions to society historically and cross-culturally. Examines how social policies in education, family, and work affect children's lives.

**SOC-S 346 Topics in Cross-Cultural Sociology (3 cr.)**

**CASE S&H, CASE GCC** P: 3 credit hours of sociology or consent of instructor. Study of selected sociological issues with an emphasis on cross-cultural analysis. Specific topics announced each semester; examples include work, family, childhood, religion, and education. May be repeated with different topics for a maximum of 9 credit hours.

**SOC-S 358 Social Issues in Health and Medicine**

**(3 cr.) CASE S&H** Examines the sociological aspects of health, illness, patienthood, medical professionals, and health care systems. What factors create inequalities in health and in medical treatment? Expands understanding of health and illness and of conventional medical and insurance practices, and explores ways to improve health care in America.

**SOC-S 360 Topics in Social Policy (3 cr.) CASE S&H**

P: 3 credit hours of sociology or consent of instructor. Specific topics announced each semester; examples include environmental affairs, urban problems, poverty, and population problems. May be repeated three times for credit with a different topic.

**SOC-S 365 Social Foundations of Behavior:**

**Applications for Health Settings (3 cr.) CASE S&H** The sociological analysis of health has become very important in the biomedical sciences because social factors affect disease, recovery, and health maintenance behaviors. This course begins with an overview of sociology and its main theories and methods and proceeds to health related applications, enabling students to acquire necessary skills to analyze data related to health issues.

**SOC-S 370 Research Methods in Sociology (3 cr.)**

**CASE S&H** P: 3 credit hours of sociology or consent of instructor. The logic of scientific work in sociology; theory construction; major research designs, including experiments, sample surveys, and ethnographic field studies. Methods of sampling; measurement of variables; and descriptive statistics. Commonly used rates and indices in social research; using software to produce graphical displays and descriptive statistics.

**SOC-S 371 Statistics in Sociology (3 cr.) CASE**

**N&M** P: MATH M014 or equivalent. R: 3 credit hour mathematics course approved for College of Arts and Sciences mathematics requirement. Introduces the logic of statistical inference. Students will learn how to use sample data to reach conclusions about a population of interest by calculating confidence intervals and significance tests.

Estimating the effects of multiple independent variables using cross-tabulations and/or regression. Credit given for only one of S371, ANTH A306, CJUS K300, ECON E370 or S370, MATH K300 or K310, POLS Y395, PSY K300 or K310, STAT K310 or S300 or S301, or SPEA K300.

**SOC-S 410 Topics in Social Organization (3 cr.)**

**CASE S&H** P: S210 or S340; S370; or consent of department. Specific topics announced each semester, e.g., social stratification, formal organizations, urban social organization, education, religion, politics, demography, social power, social conflict, social change, comparative social systems. May be repeated three times for credit with a different topic.

**SOC-S 413 Gender and Society (3 cr.) CASE S&H**

P: S210, S230, or S338; S370; or consent of department. Explores several theories of sex inequality in order to understand the bases of female-male inequality in American society; examines the extent of sex inequality in several institutional sectors; and considers personal and institutional barriers women face, including those resulting from socialization, discrimination, and other structural arrangements.

**SOC-S 419 Social Movements and Collective Action (3 cr.) CASE S&H**

P: S215 and S370, or consent of department. Change-oriented social and political collective action and consequences for groups and societies. Resource mobilization, historical and comparative analysis of contemporary movements and collective action.

**SOC-S 422 Constructing Sexuality (3 cr.) CASE S&H**

P: S370 or consent of department. A sociological examination of a variety of forms of human sexuality from the perspectives of social constructionism and politics of sexuality.

**SOC-S 431 Topics in Social Psychology (3 cr.) CASE S&H**

P: S230 and S370, or consent of department; may vary with topic. Specific topics announced each semester; e.g., socialization, personality development, small-group structures and processes, interpersonal relations, language and human behavior, attitude formation and change, collective behavior, public opinion. May be repeated three times for credit with a different topic.

**SOC-S 450 Topics in Methods and Measurement (3 cr.) CASE S&H**

P: S370 and S371, or consent of department. Topics may include logic of inquiry, model construction and formalization, research design, data collection, sampling, measurement, statistical analysis.

**SOC-S 491 Sociological Research Practicum I (3 cr.)**

P: Both S370 and S371, or consent of instructor. Participation in all aspects of a sociological research project, including conceptualization and design, data collection, analysis, and report writing.

**SOC-S 492 Sociological Research Practicum II (3 cr.)**

P: S491 or consent of instructor. Continuation of S491 with emphasis on analysis and report writing.

**SOC-S 493 Professional Strategies for Sociology Majors (1 cr.)**

Documenting what has been learned, assembling a portfolio, writing a resume and letters of application; getting ready for graduate school or the labor market, using the World Wide Web.

**SOC-S 494 Field Experience in Sociology (1-6 cr.)**

P: Consent of instructor and prior arrangement. Faculty-directed study of aspects of sociology based on field experience, in conjunction with directed readings and writing. Specifically, each intern is required to (1) keep a daily or weekly journal, which is given at regular intervals to the faculty sponsor; (2) give an oral report once the fieldwork is completed; and (3) depending on academic credit, write a journal or an analytic paper or both. Limited to a total of 9 credit hours of both S494 and S495.

**SOC-S 495 Individual Readings in Sociology (1-6 cr.)**

P: Consent of instructor and prior arrangement, usually in conjunction with honors work. Limited to a total of 9 credit hours of both S494 and S495.

**SOC-S 498 Honors Thesis Seminar I (3 cr.)** P: Consent of honors thesis seminar instructor. Research and preparation of senior honors thesis.

**SOC-S 499 Honors Thesis Seminar II (3 cr.)** P: S370 and S498, and consent of honors thesis instructor.

**SOC-Y 398 Internship in Professional Practice (1-3 cr.)**

P: Two sociology courses (including one beyond the 100 level) and approval of the director of undergraduate studies in the Department of Sociology. Provides opportunities for students to receive credit for selected, career-related work in a cooperating institution, agency, or business. Research paper that relates work experience to materials learned in sociology courses is required. Evaluation by employer and the director of undergraduate studies in the Department of Sociology. Three credit hours to count in the major or minor. Limited to a total of 9 credit hours of Y398, S494, or S495 combined.

## Spanish and Portuguese

### Introduction

The Department of Spanish and Portuguese (HISP) offers courses at all levels, elementary through graduate, in the language and literature of Spain and Spanish America; language and literature of Portugal and Brazil; and, on the advanced level, Catalan. The department participates in the programs offered by Comparative Literature, Folklore and Ethnomusicology, Gender Studies, Institute for European Studies, Latin American Studies, Linguistics, Medieval Studies, and Renaissance Studies.

### Contact Information

Department of Spanish and Portuguese  
Indiana University  
Ballantine Hall 844  
1020 East Kirkwood Ave.  
Bloomington, IN 47405

(812) 855-8376  
[spanport@indiana.edu](mailto:spanport@indiana.edu)

[www.indiana.edu/~spanport/](http://www.indiana.edu/~spanport/)

### Faculty

#### Chairperson

- Steven Wagschal

**Associate Chairperson**

- Kimberly Geeslin

**Professors**

- J. Clancy Clements
- Deborah Cohn
- Kimberly Geeslin
- Catherine Larson
- Kathleen Myers

**Associate Professors**

- Anke Birkenmaier
- Manuel Díaz-Campos
- Melissa Dinverno
- Patrick Dove
- César Félix-Brasdefer
- Ryan Giles
- Alejandro Mejías-López
- Luciana Namorato
- Estela Vieira
- Reyes Vila-Belda
- Steven Wagschal
- Erik Willis

**Assistant Professors**

- Patricia Amaral
- Laura Gurzynski-Weiss
- Ricardo Andrés Guzman
- Edgar Illas
- Jonathan Risner

**Faculty Emeriti****Professors**

- Willis Barnstone
- Luis Beltrán
- Maryellen Bieder
- Luis Dávila
- Olga Impey
- Consuelo López-Morillas
- Heitor Martins
- Darlene J. Sadlier
- Gustavo Sainz
- Josep M. Sobrer

**Associate Professors**

- Mary Clayton
- John Dyson

**Director of Graduate Studies**

- Patrick Dove

**Director of Undergraduate Studies**

- Ryan Giles

**Director of the Portuguese Program**

- Luciano Namorato

**Director of Hispanic Linguistics**

- César Félix-Brasdefer

**Director of the Catalan Program**

- Edgar Illas

**Director of the Basic Language Program**

- K. Allen Davis

**Academic Advising**

- Sioux Hill, Ballantine Hall 844. To schedule an appointment, please call (812) 855-8376 and choose option 4.

**Special Credit Option in Spanish**

See the special credit section of the CASE Foreign Language Requirement.

**Special Credit Option in Portuguese**

See the special credit section of the CASE Foreign Language Requirement.

**Major in Spanish****Requirements**

Students must complete 33 credit hours for the major, including the following:

1. S250 and S280, or equivalent placement. Students who place into the S300 level are not eligible for S280 credit. As a result, they must take an additional 3 credits at the S300 or S400 level.
2. S324, S326, and S328.
3. One of the following tracks:

**Hispanic Linguistics Track**

Three 400-level electives in Spanish linguistics, one 400-level elective in Spanish literature, and two 300- or 400-level electives in any area.

**Hispanic Literature Track**

Three 400-level electives in Spanish literature, one 400-level elective in Spanish linguistics, and two 300- or 400-level electives in any area. At least one literature course must be taken in a pre-1800 field. The pre-1800 400-level classes are S407, S450, and S471.

**Hispanic Studies Track**

Four 400-level electives (at least one of which must be in Spanish literature and at least one in Spanish linguistics) and two 300- or 400-level electives in any area.

4. At least one 3 credit hour 400-level course must be taken on the Bloomington campus.

5. C105 and any course at the 400 level in the Catalan language may be counted as one or both of the 300- or 400-level general electives in any track. P135 and any course at the 400 level in the Portuguese language may be counted as one or both of the 300–400 level electives in any track.

**Note:** The 400-level linguistics courses are S425, S427, S429, and S430. The 400-level literature courses are S407-S408, S417, S418, S419, S420, S422, S423, S435, S450, S470, S471-S472, S473, S474, S479, S480, and S481. Courses that count for either linguistics or literature depending on the topic are S495 and S498. The 400-level culture courses are S411, S412, and S413.

The following courses cannot be used to fulfill any portion of the major: S260, S265, S284, S290, S421, S494, and S499.

Native speakers of Spanish are not eligible for 100- and 200-level special credit. They must complete the major with course work at the 300 and 400 level.

Students must complete the degree requirements of the College of Arts and Sciences.

## **Major in Portuguese**

### **Required Courses**

Students must complete the following:

1. 30 credit hours in courses beyond P100-P150.
2. 6 credit hours at the 200 level.
3. 6 credit hours at the 300 level.
4. 18 additional credit hours in 400-level courses, including 9 credit hours in literature. Note: 400-level literature courses are P400, P401, P405, P415, P467, P470, P475, P476, P494, P495.
5. At least 18 credit hours of the major must be completed on the Bloomington campus.

Native speakers of Portuguese are expected to complete the major with course work at the 300 and 400 level.

Students must complete the degree requirements for the B.A. degree in the College of Arts and Sciences.

### **Required Minor**

Portuguese majors must complete a minor of at least 15 credit hours of course work. Students may not use any courses from their Portuguese major to satisfy this minor requirement. A minor field of study may be selected from another department of the College of Arts and Sciences, the Kelley School of Business, or the School of Public and Environmental Affairs. Students should consult with a faculty advisor in the minor field of study, and students choosing a minor field outside the College should review policies on outside credit hours (see Courses Outside the College of Arts and Sciences).

If a department offers a minor approved by the College, Portuguese majors must follow the specified requirements and be approved by the department. If majors choose a field that does not specify a minor, the requirement includes at least 15 credit hours in a single department with at least 9 credit hours at the 300 level or above.

Foreign language course work at the 100 level does not count toward the minor. The minor requirement is waived for students who complete a double major.

## **Minor in Spanish**

### **Required Courses**

At least 15 College of Arts and Sciences credit hours of course work in courses taught in Spanish at or above the 250 level, including S250, S280, any two of the 300-level core courses (S324, S326, S328), and one additional course at the 300 or 400 level. Students who place into the S300 level are not eligible for S280 credit. As a result, they must take an additional 3 credits at the S300 or S400 level.

**Note:** Native speakers of Spanish are expected to complete the minor with course work at the S300 and S400 level.

The following courses cannot be used to fulfill any portion of the minor: S260, S265, S284, S290, S421, S494, S499, or any course from Portuguese or Catalan.

For detailed information about the options available to minors, consult the departmental office of undergraduate studies.

## **Minor in Portuguese**

### **Required Courses**

At least 15 College of Arts and Sciences credit hours of course work at or above the 200 level, including:

1. P200-P250.
2. P311.
3. P317 and one 400-level course; **or** two P400-level courses.

**Note:** Native speakers of Portuguese are expected to complete the minor with course work at the P300 and P400 level.

For detailed information about the options available to minors, students should consult the departmental office of undergraduate studies.

## **Departmental Honors Program**

The Spanish Honors Program and the Portuguese Honors Program are designed for students who wish to take advantage of an academic challenge beyond the requirements of the departmental major. It provides highly motivated students with the opportunity for tutorial instruction and independent research during the junior and senior years of their undergraduate study. The Director of Undergraduate Studies solicits from the faculty nominations for the Honors Program and then meets with nominees to ensure that the program identifies those who are most likely to succeed. Qualified students are encouraged to apply directly to the program by contacting the Director of Undergraduate Studies or the administrative undergraduate secretary. To be eligible, a student must have an overall grade point average of 3.350 with a 3.500 GPA or higher in their major core courses, either Spanish or Portuguese, and also have completed all course work at the 300 level of their major. It is expected that the student will maintain the above GPAs until graduation.

## **Secondary Teacher Certification**

Majors who wish to qualify for a secondary teacher's certificate can meet the requirements for a bachelor's degree in the College of Arts and Sciences as well as for a provisional teaching certificate. Interested students should consult the School of Education or the department's professional advisor or Director of Undergraduate Studies.

## **Spanish at the Global Village Living-Learning Center**

The department cooperates with the Global Village Living-Learning Center in offering residential options for students with an interest in languages and cultures. Students may request a roommate who speaks the same foreign language and will live among other students in the Global Village who speak those languages as well. Students can use and develop language skills in a variety of language-related activities and extensive student-organized activities including several language clusters which meet regularly for conversation and language-focused events and to share their linguistic and cultural interests. Students have access to an on-site computer lab for language practice and the university's cable television service,

which includes a number of international channels. The Global Village aims to expand student knowledge of foreign languages, world cultures, and world affairs; develop mutual understanding and appreciation of other cultures; prepare students for study abroad; and assist students with accessing Indiana University's international resources. For further information, contact the Global Village, (812) 855-4552; [college.indiana.edu/global/](http://college.indiana.edu/global/).

### Café Hispano, Cafezinho, and Cafe Català

The department sponsors weekly, informal group conversation sessions, in Spanish, Portuguese, and Catalan. Inquiries may be made directly to the Department of Spanish and Portuguese, Ballantine Hall 844, (812) 855-8612.

### Native Speakers

Native speakers of Spanish or Portuguese should consult the department for testing, course placement options, special credit eligibility, and restrictions on course work in the major and minor.

### Overseas Study

Students studying in Spanish or Portuguese, regardless of their major, are strongly encouraged to study abroad. Indiana University sponsors many programs in the Hispanic world. A complete list of programs is available at the Office of Overseas Study, Leo R. Dowling International Center, 111 South Jordan Avenue, Bloomington, IN 47405; or see <http://overseas.iu.edu/>.

## Course Descriptions

### Spanish

**HISP-S 100 Elementary Spanish I (4 cr.)** A four-skills approach to Spanish with an emphasis on critical thinking skills. Enrollment in S100 is restricted to those with less than two years of high school Spanish or with consent of department. All others must enroll in S105. Credit not given for S100 and S105.

**HISP-S 105 First-Year Spanish (4 cr.)** For students with two or more years of high school study. The course content begins where S100 begins, and ends where S150 ends. Credit not given for S105 and S100 or S150. Next course sequence is S200.

**HISP-S 150 Elementary Spanish II (4 cr.)** This course continues the work of S100. Continued emphasis on all four skills and on critical thinking skills. Grading is based on exams and oral tests, written exercises, compositions, and a cumulative final exam. Students can expect to practice speaking in small groups in class, and read about and discuss materials in Spanish. Credit given for only one of S150 and S105.

**HISP-S 200 Second-Year Spanish I (3 cr.)** P: S150 or S135 or S105 or equivalent. This course reviews some of the basic structures studied in the first year and examines them in more detail. Emphasis remains on the four skills and on critical thinking skills. Readings are both journalistic and literary. Grades are based on exams, oral tests, homework, compositions, and a cumulative final exam. Homework load is substantial.

**HISP-S 220 Chicano and Puerto Rican Literature (3 cr.)** CASE A&H, CASE DUS The bicultural reality of

the Hispanic people in the U.S. as seen in their literature. Taught in English.

**HISP-S 250 Second-Year Spanish II (3 cr.)** P: S200 or equivalent. This course continues the work of S200. Continued emphasis on all four skills and on critical thinking skills. Grades are based on exams, oral tests, homework, compositions, and a cumulative final exam. Homework is substantial. After successful completion of this course, the foreign language requirement is fulfilled for schools that require a four-semester sequence.

**HISP-S 251 Service Learning in Spanish (1 cr.)** P: S200 or equivalent. C: S250. Allows S250 students to apply skills from their classroom language-learning experience to community projects such as teaching basic Spanish and presenting cultural activities to elementary school children.

**HISP-S 260 Introduction to Hispanic Film (3 cr.)** CASE A&H, CASE GCC Hispanic culture in film. Cinematic techniques used to portray Hispanic culture. Taught in English.

**HISP-S 265 Topics in Hispanic Literature in Translation (3 cr.)** CASE A&H, CASE GCC Study of works of Hispanic literature read in English translation. Taught in English. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-S 280 Spanish Grammar in Context (3 cr.)** P: S250 or equivalent. A topic-based approach to the formal aspects of Spanish grammar. Formal linguistic skills are developed through explicit grammar instruction, the reading of Hispanic texts, and the study of literature and culture through writing and conversation. Credit given for only one of S280 or S310.

**HISP-S 284 Women in Hispanic Culture (3 cr.)** CASE A&H, CASE GCC Images, roles, and themes involving women in Hispanic literature. Taught in English.

**HISP-S 290 Topics in Hispanic Culture (3 cr.)** Emphasis on one topic, author, or genre in Hispanic culture. May be repeated once for credit with different topic.

**HISP-S 308 Composition and Conversation in Spanish (3 cr.)** P: S280 or S310, or equivalent. C: S280 or S310, or equivalent. This content-based course seeks to improve students' oral and writing skills in Spanish while fostering critical thinking and cultural awareness. The written component includes an analysis of various writing styles: description, narration, exposition, and argumentation. The oral component includes discussions of cultural topics in the Spanish-speaking world. Credit given for only one of S308 or S312.

**HISP-S 315 Spanish in the Business World (3 cr.)** P: S280 or S310, or equivalent. Introduction to the technical language of the business world, with emphasis on problems of vocabulary, style, composition, and translation in the context of Hispanic mores. Instruction in Spanish.

**HISP-S 317 Spanish Conversation and Diction (3 cr.)** P: S280 or S310, or equivalent. Meets five times a week. Intensive controlled conversation correlated with readings, reports, debates, and group discussions. S317 is not open to native speakers of Spanish. I Sem., II Sem. May be repeated once for credit.

**HISP-S 324 Introduction to the Study of Hispanic Cultures (3 cr.) CASE A&H, CASE GCC** P: S280 or S310, or equivalent. Through the examination of a variety of texts, this course explores Spanish, Latin American, and U.S. Latino culture from historical, social, artistic, and political perspectives. Credit given for only one of S324 or S275.

**HISP-S 326 Introduction to Hispanic Linguistics (3 cr.) CASE N&M** P: S280 or S310, or equivalent. Introduces the basic concepts of Hispanic linguistics and establishes the background for the future application of linguistic principles. The course surveys linguistic properties in Spanish, including phonology, morphology, and syntax. Additional introductory material on historical linguistics, second language acquisition, semantics, and sociolinguistics will be included. I Sem., II Sem.

**HISP-S 328 Introduction to Hispanic Literature (3 cr.) CASE A&H, CASE GCC** P: S280 or S310, or equivalent. Develops skills needed for more advanced study of Hispanic literatures through the reading and analysis of texts in at least three literary genres. Credit given for only one of S328, S331, S332, or S333.

**HISP-S 334 Panoramas of Hispanic Literature (3 cr.) CASE A&H, CASE GCC** P: S328, or equivalent. A panoramic introduction to the study of Hispanic literature in its literary-historical development, through a variety of literary genres. Periods and geographical areas may vary. Credit given for only one of S332, S333, or S334.

**HISP-S 336 Introduction to Spanish Translation (3 cr.)** P: S280 or S310, or equivalent. An introduction to the practice and techniques of translation, both from Spanish to English as well as from English to Spanish. Translation practice will focus on a variety of textual modes, including literary works, legal documents, journalistic prose, and other materials.

**HISP-S 407 Survey of Spanish Literature I (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. A historical survey that covers major authors, genres, periods, and movements from the Spanish Middle Ages through the baroque period of the seventeenth century. Readings include prose works, poetry, and drama.

**HISP-S 408 Survey of Spanish Literature II (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. A historical survey of Spanish literature that covers the main current of Spain's literary history in the eighteenth, nineteenth, and twentieth centuries. Readings in prose, poetry, and drama by Larra, Pérez Galdós, Unamuno, Lorca, and other representative writers.

**HISP-S 411 Spain: The Cultural Context (3 cr.) CASE A&H, CASE GCC** P: One course from S324, S328, S331, S333, S334. A course to integrate historical, social, political, and cultural information about Spain. II Sem.

**HISP-S 412 Spanish America: The Cultural Context (3 cr.) CASE A&H, CASE GCC** P: One course from S324, S328, S331, S333, S334. A course that integrates historical, social, political, and cultural information about Spanish America. I Sem.

**HISP-S 413 Hispanic Culture in the United States (3 cr.) CASE A&H, CASE DUS** P: One course from S324,

S328, S331, S333, S334. Integrates historical, racial, political, and cultural information about Hispanics in the United States.

**HISP-S 417 Hispanic Poetry (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Study of major aspects, movements, or directions of Hispanic poetry from the Middle Ages to the present.

**HISP-S 418 Hispanic Drama (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Forms, traditions, themes, and periods of Hispanic drama from the Renaissance to the present.

**HISP-S 419 Modern Spanish Prose Fiction (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Spanish prose fiction from mid-nineteenth-century realism through post-Spanish Civil War narrative innovations.

**HISP-S 420 Modern Spanish-American Prose Fiction (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Spanish-American prose fiction from late nineteenth-century modernism to the present.

**HISP-S 422 Hispanic Cinema (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Analysis and interpretation of Hispanic films, with an emphasis on the study of their formal aspects. National/regional context varies.

**HISP-S 423 The Craft of Translation (3 cr.)** P: S328; S324 or S326; and one additional 300-level Spanish course. A practical approach to the problems and techniques of Spanish/English and English/Spanish translation, using a variety of texts and concentrating on such critical areas of stylistics as tone, rhythm, imagery, nuance, allusion, etc. Language and translation theory will also be studied.

**HISP-S 425 Spanish Phonetics (3 cr.) CASE N&M** P: S326 or equivalent. Intensive patterned pronunciation drills and exercises in sound discrimination and transcription, based on detailed articulatory description of standard Spanish of Spain and Latin America. Attendance in language laboratory required. Usually offered I Sem. and II Sem.

**HISP-S 427 The Structure of Spanish (3 cr.) CASE N&M** P: S326 or equivalent. Analyzes the structure of simple and compound sentences in Spanish, focusing on the internal structure of the sentence and how certain phrases within the sentence combine in different word orders to produce specific meanings. Covers transitivity, word order, negation, pronominal and verbal systems, and syntactic variation.

**HISP-S 429 Hispanic Sociolinguistics and Pragmatics (3 cr.) CASE N&M** P: S326 or equivalent. Examines current topics in Hispanic sociolinguistics/pragmatics. Topics include sociolinguistics, phonological and syntactic variation, field methods, discourse analysis, language and power, language ideology, language attitudes, language in contact, language and gender, language and the law, bilingualism, linguistic politeness and speech act theory. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-S 430 The Acquisition of Spanish (3 cr.) CASE N&M** P: S326 or equivalent. Examines current topics in

the acquisition of Spanish. Provides an introduction to research on the first and/or second language acquisition of Spanish and to the pedagogical applications of these findings. Students develop a background in these fields and have opportunities to link theory and practice.

**HISP-S 435 Literatura Chicana y Puertorriqueña (3 cr.)**  
**CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Works in Spanish by representative Chicano and Puerto Rican authors of the United States. Cultural values and traditions reflected in both the oral and written literatures.

**HISP-S 450 Don Quijote (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Detailed analysis of Cervantes' novel. Life and times of the author. Importance of the work to the development of the novel as an art form.

**HISP-S 470 Women and Hispanic Literature (3 cr.)**  
**CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Hispanic woman within her cultural context through literary texts. Topics such as women authors, characters, themes, and feminist criticism.

**HISP-S 471 Spanish American Literature I (3 cr.)**  
**CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Introduction to Spanish American literature.

**HISP-S 472 Spanish American Literature II (3 cr.)**  
**CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Introduction to Spanish American literature.

**HISP-S 473 Hispanic Literature and Literary Theory (3 cr.)**  
**CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Studies literature as an art form within the Hispanic tradition. Employs critical methodology and textual interpretation and analysis to exemplify theory of each genre.

**HISP-S 474 Hispanic Literature and Society (3 cr.)**  
**CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Writers and their works in social, political, economic, and cultural context. Specific topic to be announced in the online *Schedule of Classes*.

**HISP-S 479 Mexican Literature (3 cr.) CASE A&H**  
P: S328; S324 or S326; one additional 300-level Spanish course. Mexican literature from independence to the present.

**HISP-S 480 Argentine Literature (3 cr.) CASE A&H**  
P: S328; S324 or S326; one additional 300-level Spanish course. Argentine literature from independence to the present.

**HISP-S 481 Hispanic American National/Regional Literatures (3 cr.) CASE A&H** P: S328; S324 or S326; one additional 300-level Spanish course. Study of national and/or regional literatures of Hispanic America.

**HISP-S 494 Individual Readings in Hispanic Studies (1-3 cr.)** P: Consent of department. This course cannot be used for the Spanish 300/400 level requirement for the major or minor. I Sem., II Sem., SS. May be repeated once with a different topic for a maximum of 6 credit hours.

**HISP-S 495 Hispanic Colloquium (1-3 cr.)** P: Consent of department. Topic and credit vary. I Sem., II Sem., I, II SS. May be taken twice for credit as long as topic is different.

**HISP-S 498 Honors Seminar (3 cr.)** P: Approval of departmental honors advisor. Topics will vary. The course may be repeated once with a different topic for a maximum of 6 credit hours.

**HISP-S 499 Honors Research in Spanish (1-3 cr.)**  
P: Approval of the honors advisor. I Sem., II Sem.

#### Portuguese

**HISP-P 100 Elementary Portuguese I (4 cr.)** Introduction to present-day Portuguese, with drills for mastery of phonology, basic structural patterns, and functional vocabulary. Attendance in language laboratory may be required.

**HISP-P 115 Portuguese for Business (2 cr.)** Designed to provide the beginning Portuguese student with a foundation in both the Portuguese language and the Brazilian culture in the business context. The course alternates between the teaching of the language and the culture of business in Brazil, and students develop some foundational skills in three main areas: language and communications, business culture, and Portuguese grammar.

**HISP-P 135 Intensive Portuguese (4 cr.)** For students from secondary school placed into the second semester of first-year study or those with prior knowledge of another Romance language. Content of P100 and P150 reviewed at an accelerated pace. May be used in elective area of the Spanish major. Credit given for only one of P135 or P150.

**HISP-P 150 Elementary Portuguese II (4 cr.)** Introduction to present-day Portuguese, with drills for mastery of phonology, basic structural patterns, and functional vocabulary. Attendance in language laboratory may be required.

**HISP-P 200 Second-Year Portuguese I (3 cr.)** P: P150 or equivalent. Continuation of P100, with increased emphasis on communicative exercises and selected readings. Attendance in the language laboratory may be required.

**HISP-P 250 Second-Year Portuguese II (3 cr.)** P: P150 or equivalent. Continuation of P150, with increased emphasis on communicative exercises and selected readings. Attendance in the language laboratory may be required.

**HISP-P 290 Topics in Luso-Brazilian Culture (3 cr.)** Emphasis on one topic, author, or genre in Luso-Brazilian culture. No knowledge of Portuguese required. May be repeated once for credit with different topic.

**HISP-P 311 Advanced Grammar and Composition in Portuguese (3 cr.)** P: P200-P250 or equivalent. An advanced course on basic grammar skills and composition. Emphasis on syntax, vocabulary usage, and writing.

**HISP-P 317 Reading and Conversation in Portuguese (3 cr.)** P: P200-P250 or equivalent. Emphasis on conversational and reading skills using plays, short stories, poetry, and novels from Brazil, Portugal, and

Lusophone Africa. Students will also be introduced to the basics of literary appreciation.

**HISP-P 400 Literatures of the Portuguese-Speaking World I (3 cr.) CASE A&H, CASE GCC** A general overview of the literature in Portuguese. The course emphasizes the unity and diversity of the literature in the major Portuguese-speaking areas of the world: Brazil, Portugal, and Lusophone Africa. Starting with the parallel development of one literature (Portuguese) in distinct geographical areas (the Portuguese colonies), it shows the changes that take place when new nations are created in these areas, and new national literatures become a reality. The course combines lecture and discussion, and is conducted in Portuguese.

**HISP-P 401 Literatures of the Portuguese-Speaking World II (3 cr.) CASE A&H, CASE GCC** A survey of the literatures from Brazil, Portugal, and Lusophone Africa. Lectures and discussions of selected works by representative authors of the major literary periods.

**HISP-P 405 Literature and Film in Portuguese (3 cr.) CASE A&H, CASE GCC** Survey of literary works and film adaptations from the Lusophone world.

**HISP-P 410 Brazilian Cinema (3 cr.) CASE A&H, CASE GCC** A survey of Brazilian cinema from the beginning of the twentieth century to present day. Taught in English.

**HISP-P 411 Portugal: The Cultural Context (3 cr.) CASE A&H, CASE GCC** Integrates historical, social, political, and cultural information about Portugal. Taught in English.

**HISP-P 412 Brazil: The Cultural Context (3 cr.) CASE A&H, CASE GCC** Integrates historical, social, and cultural information about Brazil. Taught in English.

**HISP-P 415 Women Writing in Portuguese (3 cr.) CASE A&H** A survey of women's writing from different Portuguese-speaking nations.

**HISP-P 420 Literatures of the Portuguese-Speaking World in Translation (3 cr.) CASE A&H** Readings of Brazilian, Portuguese and Lusophone African writers from a comparative perspective. Specific topics may vary in any given semester. Taught in English. Cannot count toward Portuguese major or minor. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-P 425 Structure of Portuguese Language (3 cr.)** P: P250 or equivalent. Introduction to the linguistic study of various aspects of the structure of the Portuguese language: phonetics, phonology, morphology, semantics, syntax, dialects, historical grammar; and application of linguistics to literature.

**HISP-P 467 Contemporary Portuguese Literature (3 cr.) CASE A&H, CASE GCC** Representative authors and works from 1915 to the present.

**HISP-P 470 Poetry in Portuguese (3 cr.) CASE A&H, CASE GCC** Historical survey of poetry in Portuguese. Emphasis on major authors from Brazil, Portugal, and Lusophone Africa. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-P 475 Theatre in Portuguese (3 cr.) CASE A&H, CASE GCC** A survey of theatre in the Portuguese language from the sixteenth century to the late twentieth

century. Particular attention will be given to the social and historical context in which works were produced. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-P 476 Prose in Portuguese (3 cr.) CASE A&H, CASE GCC** Survey of prose writers and works from the middle ages to the present. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-P 493 Portuguese Across the Curriculum (1 cr.)** P: P 250. A one-credit supplemental course taught in Portuguese. Topic and content are determined by the parent course with which it is jointly offered. May be repeated with different topics for a maximum of 3 credit hours.

**HISP-P 494 Individual Readings in Luso-Brazilian Literature (1-3 cr.)** P: Consent of the department. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-P 495 Luso-Brazilian Colloquium (3 cr.) CASE A&H** P: Consent of the department. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

**HISP-P 498 Portuguese Honors Seminar (3 cr.)** P: Approval of the director of Portuguese Studies. Topics will vary. May be repeated once with a different topic for a maximum of 6 credit hours.

**HISP-P 499 Honors Research in Portuguese (1-3 cr.)** P: Approval of the director of Portuguese Studies. I Sem., II Sem.

### Catalan

**HISP-C 105 Intensive Catalan Language (3 cr.)** R: Knowledge of another Romance language. Introduction to the study of Catalan language and of the particular situation of Catalonia as a culture within present-day Spain. May be used in elective area of the Spanish major. Does not count toward the major in Portuguese. Credit given for only one of C105 or C400.

**HISP-C 450 Catalan Literature (3 cr.) CASE A&H** P: C105 or consent of instructor. Survey of Catalan literature from the Middle Ages to the present. Examines significant works in all genres within their historical and cultural contexts, with special attention to issues of nation-formation, hegemony, biculturalism, and marginalizations.

**HISP-C 491 Elementary Catalan for Graduate Students (3 cr.)** Introduction to the study of Catalan language with emphasis on reading. Also includes a cultural overview of Catalonia and the Catalan linguistic area. (3 cr., no grad. cr.)

**HISP-C 492 Readings in Catalan for Graduate Students (3 cr.)** P: C491 or consent of department. Introduction to Catalan literary and cultural production of all periods with an emphasis on developing reading skills. (3 cr.; no grad. cr.)

**HISP-C 494 Individual Readings in Catalan Studies (1-3 cr.)** P: Consent of department. I Sem., II Sem. May be repeated once with a different topic for a maximum of 6 credit hours.

# Speech and Hearing Sciences

## Introduction

An undergraduate curriculum may be selected to provide a strong preparation for continued study at the graduate level in speech and hearing sciences. Students not intending to pursue graduate study for careers in speech-language pathology or audiology may elect our general B.A. degree or one of our interdisciplinary majors, in preparation for graduate studies in other fields or for a range of other career choices. The Department of Speech and Hearing Sciences (SPHS) offers both B.A. and B.S. degree programs; students should consult the undergraduate advisor and evaluate each degree carefully. The department is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

## Contact Information

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Indiana University  
200 S. Jordan Avenue  
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(812) 855-4156  
[mahumphr@indiana.edu](mailto:mahumphr@indiana.edu)  
<http://www.indiana.edu/~sphs>

## Faculty

### Chairperson

- Distinguished Professor Larry Humes

### Distinguished Professor

- Larry Humes

### Professors

- Raquel Anderson
- Phil Connell
- Karen Forrest
- Judith Gierut
- Laura Murray

### Associate Professors

- Julie Anderson
- Lisa Gershkoff
- Jennifer Lentz
- William Shofner
- Robert Withnell

### Assistant Professors

- Tessa Bent
- Tepanta Fossett
- Steven Lulich
- Rita Patel
- Yi Shen

### Clinical Associate Professors

- Nathan Amos
- Annette Champion
- Amy Cornwell
- Rebecca Eberle
- Carolyn Garner
- Laura Karcher

- Nancy Nelson

### Clinical Assistant Professors

- Emily Ansty
- Lisa Goerner
- Sheena Jesse
- Joseph Murray
- Erin Peabody
- Amy Piper
- Julia Rademacher
- Susanna Vargas

### Lecturers

- Kristin Baar
- Daniel Smith

### Associate Scientists

- Gary Kidd
- Michelle Morissette

### Research Associates

- Sara Brown
- Anna Kiener
- Dana Kinney
- Tera Quigley

### Adjunct Professors

- Erna Alant (School of Education)
- Eric Blom (SLP, Private Practice)
- Steven Franks (Linguistics)
- James Miller (Emeritus, C.I.D.)
- David Pisoni (Psychological and Brain Sciences)
- Cheol Jae Seong
- Hiroya Yamaguchi (ENT, Private Practice)

### Adjunct Clinical Associate Professors

- Anna M. Dusick (Pediatrics)
- Betty U. Watson (Psychology, Private Practice)

### Adjunct Clinical Assistant Professors

- Jesse Phillips (ENT, Private Practice)
- Lance Trexler (Neuropsychology, Indianapolis Community Hospital)

### Emeriti Professors

- Jean Anderson
- Moya Andrews
- Mary Elbert
- Nicholas Hipskind
- Diane Kewley-Port
- Charles Watson

### Emeriti Clinical Professors

- Elizabeth McCrea
- E. Gene Ritter

### Emeriti Clinical Associate Professors

- Pat Cromer-Grossman
- Ann Densmore
- Audrey Heller

### Emeritus Clinical Lecturer

- Wayne Mnich

### **Academic Advising**

- Joshua Kemp, Speech and Hearing Center C138, (812) 855-4864

## **General Speech and Hearing Major—B.A.**

This major is for students who are seeking a broad liberal arts and sciences education that centers on the processes of communication and its disorders, and not necessarily to pursue a clinical career in the field.

### **Required Courses**

Students must complete the degree requirements of the College of Arts and Sciences and the following:

1. At least 36 credit hours in SPHS courses including at least 18 hours at the 300–400 level.
2. SPHS-S 110 or S215.
3. SPHS-S 111, S201 and S275.
4. SPHS-S 311 and S333.
5. 18 additional credit hours from the following Speech and Hearing Sciences courses. Only one 200-level course will count for this requirement: A250, S302, S307, S375, S420, S436, S444, S445, S473, S478.

## **Major with a Concentration in Audiology and Hearing—B.A.**

### **Required Courses**

Students must complete the degree requirements of the College of Arts and Sciences and the following:

1. SPHS-S 110.
2. SPHS-S 111, S275, S333.
3. SPHS-S 302.
4. LING-L 103 or L203.
5. PSY-P 101-P102, or P155.
6. PSY-K 300 or STAT-S 303.
7. SPHS-S 375, S475, and S478.
8. One course chosen from the following: SPHS-S 307, S420, S436, S444, S445, S473.
9. A minimum of 13 credit hours of courses taken to satisfy requirements 7 and 8.

## **Major with a Concentration in Speech-Language Pathology—B.A.**

### **Required Courses**

Students must complete the degree requirements of the College of Arts and Sciences and the following:

1. SPHS-S 110.
2. SPHS-S 111, S201, S275, S333.
3. LING-L 103 or L203.
4. PSY-P 101-P102 or P155.
5. PSY-K 300 or STAT-S 303.
6. S302 and PHYS P105
7. SPHS S475 or S478.
8. SPHS S311 and S473. Note: PSY-P 211 may replace SPHS-S 311 for students who also pursue a major in Psychology.
9. Two courses from the following: SPHS S307, S420, S436, S444, S445.

**Note:** A minimum of 14 credit hours of course work must be taken to satisfy requirements 7, 8, and 9.

## **Major in Speech and Hearing Sciences—B.S.**

### **Purpose**

The B.S. program in speech and hearing sciences is designed to provide a more scientific and mathematical background in the field. Two concentrations are described below which have the same core requirements, but different major concentration requirements. The decision of which concentration to pursue should be made in consultation with the undergraduate advisor based on a student's individual interests and goals.

### **Required Courses**

Students must complete the degree requirements of the College of Arts and Sciences and the following:

The following requirements apply to both concentrations (audiology and hearing science; speech and language sciences):

1. Writing, same as B.A. degree (English Composition and Intensive Writing).
2. Mathematical foundation, two courses.
  - a. One course from MATH-V118, M118, S118, or the D116-D117 sequence, and
  - b. One course from MATH-J113, M119, M120, M211, M212, or any "M" course at the 200 level or higher.
3. Foreign language, 3 credit hours (or the equivalent) at or above the second-year level.
4. One Critical Approaches course.
5. One Public Oral Communication course.
6. Arts and humanities, two courses.
7. Social and historical studies, two courses, including PSY-P 102.
8. Natural and mathematical sciences (32 credits):
  - a. Physics P105
  - b. PSY-P 101 (or P155), K300, P329, P335 (or COGS-Q 301)
  - c. 3 credits in biology or ANAT-A 215 or PHSL-P 215
  - d. 3 credits in physics or chemistry
  - e. 12 additional credits from other natural and mathematical science courses not in the Department of Speech and Hearing Sciences, excluding the following: MATH-J113, V118, M118, S118, M119, M120, and the D116-D117 sequence
9. Speech and Hearing Sciences courses: S110, S111, S275, S302, S333, and S436.

### **Concentration in Audiology and Hearing Science**

The concentration in audiology and hearing science should be selected by students considering graduate studies in audiology, employment as an audiologist in medical facilities, or possible careers in hearing research. The following courses are required for this concentration: Speech and Hearing Sciences S375, S475, and S478.

### **Concentration in Speech and Language Sciences**

Those planning careers or graduate study in speech-language pathology, both clinical and research tracks, should select the concentration in speech and language sciences. The following are the major concentration requirements:

1. LING-L 103 or L203.
2. SPHS-S 201, S307, S420, S444, and one of the following: S311, S445, S473.

### **Interdepartmental Major in Speech and Hearing Sciences and Linguistics (Focus on Speech Technology)**

#### **Required Courses**

Students must complete a minimum of 40 credit hours in the major. Students must also complete the degree requirements for the B.A. in the College of Arts and Sciences.

#### **Speech and Hearing Sciences**

1. SPHS-S 110 Survey of Communication Disorders (3 cr.).
2. SPHS-S 201 Speech and Hearing Physiology (3 cr.) and S311 Introduction to Research in Speech, Language, and Hearing Sciences (3 cr.).
3. SPHS-S 302 Acoustics for Speech and Hearing Sciences (3 cr.) **or** LING-L 306 (see below).
4. At least 6 additional credit hours in SPHS at the 300 level or above.

#### **Linguistics**

1. LING-L 203 Introduction to Linguistic Analysis (3 cr.).
2. LING-L 445 The Computer and Natural Language (3 cr.).
3. LING-L 306 Phonetics (3 cr.) **or** Speech and Hearing Sciences S302 (see above).
4. At least 6 additional credit hours in Linguistics at the 300 level or above.

#### **Other Requirements**

1. Computer Science C211 Introduction to Computer Science (4 cr.).
2. At least one of the following choices (or an approved substitute):
  - PSY-P 325 Psychology of Learning (3 cr.)
  - PSY-P 329 Sensation and Perception (3 cr.)
  - PSY-P 335 Cognitive Psychology (3 cr.)
  - CSCI-C 212 Introduction to Software Systems (4 cr.).
  - CSCI-C 241 Discrete Structures for Computer Science (3 cr.)
  - COGS-Q 240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.)
  - COGS-Q 260 Programming for the Cognitive and Information Sciences (2 cr.) and Q320 Computation in the Cognitive and Information Sciences (2 cr.)
  - COGS-Q 351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.)

- COGS-Q 370 Experiments and Models in Cognition (4 cr.)

3. Additional courses taken from this list or from Speech and Hearing Sciences at the 300 level or above or from the Department of Linguistics at the 300 level or above to reach the minimum required total of 40 credit hours.

At least 18 credit hours must be taken on the IU Bloomington campus.

### **Interdepartmental Major in Speech and Hearing Sciences and Psychology**

#### **Required Courses**

Students must take a minimum of 40 credit hours. At least 12 credit hours must be completed at or above the 300 level in psychology, and at least 12 credit hours must be completed at or above the 300 level in speech and hearing sciences.

Students must also complete the degree requirements for the B.A. in the College of Arts and Sciences.

#### **Speech and Hearing Sciences**

1. S111
2. S275, S333
3. S201 or S375
4. At least three courses from S307, S420, S436, S444, S445, S473, S475, S478

#### **Psychology**

1. One of the following entry-level sequences:
  - P155, P199, and P211 **or**
  - P101, P102, P199, and P211 or SPHS-S 311

(Note: P299 may be substituted for P199 in any of the sequences above.)
2. PSY K300 or K310 or a substitute approved by the undergraduate advisor.
3. Three credit hours from P303, P325, P326, P327, P329, P330, P335, P337, P346, P349, P350, P357 (depending on topic), P402 (depending on topic), P405, P407, P410, P411, P413, P416, P417, P423, P437, P438, P444, P459, P461.
4. Three credit hours from P304, P315, P316, P319, P320, P323, P324, P336, P357 (depending on topic), P375, P402 (depending on topic), P425, P430, P434, P442, P446, P447, P448.
5. Advanced laboratory: one from P421, P424, P426, P429, P435, P436, P493, P494, P495, or P499. (Another 400-level course may be substituted for this requirement by permission of the undergraduate advisor.)
6. One additional course in psychology numbered 300 or above.

#### **Other Requirements**

The following courses must be completed with a minimum grade of C-:

1. Mathematics M118, M119, or M120, or a 200-level mathematics course or the equivalent.
2. A one-semester course in biology.

3. Linguistics L103 or L203.

## Graduate Study

Students completing the B.A. or B.S. degree in speech and hearing sciences may wish to continue their studies at the graduate level in a program leading to the master's degree in speech-language pathology (M.A.) or the clinical doctoral degree in audiology (Au.D.). It is recommended that students seeking preparation for an M.A. in speech-language pathology include in their curriculum S111, S201, S302, S333, S375, S425, S427, and S478. It is also recommended that students seeking preparation for the Au.D. select their curriculum to include these courses: S302, S375, S429, S478, and either S425 or S427. Selection of these courses will minimize the time required to earn an M.A. or Au.D. degree at Indiana University and in other similarly structured graduate programs. In addition, it is recommended that students take at least one course outside of the department in the following areas: biology, linguistics, physical sciences, psychology, and statistics.

## Minor in Speech and Hearing Sciences

### Required Courses

Undergraduates wishing to minor in speech and hearing sciences with a general focus must take a minimum of 18 College of Arts and Sciences credit hours to include S110, S275, S333, and three of the following courses: A250, S302, S425, S427, or S479. At least 9 credit hours of course work at the 300–400 level are required.

## Minor in Speech and Hearing Sciences (Pre-Professional)

### Required Courses

Undergraduates wishing to minor in speech and hearing sciences with a preprofessional focus must take a minimum of 15 College of Arts and Sciences credit hours to include S111; S275; S333; S201 or S375; and one of the following courses: S302, S307, S425, S427, or S429. At least 9 credit hours of course work at the 300–400 level are required.

## Indiana Teacher Certification

Requirements for an Indiana teaching certificate for speech, language, or hearing clinician; educational audiologist; or supervisor of speech, hearing, and language programs include a master's degree in speech and hearing sciences and related education courses. Students should consult a departmental advisor.

## Departmental Honors Program

The honors program permits outstanding students to pursue important issues in depth, to undertake research projects through independent study, and to enroll in special courses and seminars. Further information may be obtained from the departmental honors advisor.

## Course Descriptions

### SPHS-A 100 American Sign Language I (4 cr.)

Introductory sign language for students with no previous experience. Builds a good basic vocabulary of signs, teaches finger spelling, introduces basic aspects of the grammar and the proper use of facial expression in sign language conversation. Students are also exposed to Deaf

culture. This course will not count as part of the 42 credit hours taken in the department by speech and hearing sciences majors.

**SPHS-A 150 American Sign Language II (4 cr.)** P: A100 or consent of instructor. Continues building receptive and expressive abilities. Puts emphasis on the use of signing space, facial grammar, body postures, fluent finger spelling, and continued vocabulary development. More complex grammatical structures are introduced. Deaf culture component included. This course will not count as part of the 42 credit hours taken in the department by speech and hearing sciences majors.

**SPHS-A 200 American Sign Language III (3 cr.)** P: A150 or consent of instructor. Emphasizes the development of conversational ability. Examines more complex grammatical structures, with emphasis on ability to use these structures in conversation. Readings, videos, and discussion cover characteristics of the Deaf population and their cultural values. This course will not count as part of the 42 credit hours taken in the department by speech and hearing sciences majors.

### SPHS-A 250 American Sign Language IV (3 cr.)

P: A200 or consent of instructor. Continues to develop knowledge of American Sign Language and of Deaf culture. Students will experience the language outside the classroom through interaction with the Deaf community. Credit given for only one of A250 or A300.

### SPHS-S 110 Survey of Communication Disorders (3 cr.)

**CASE S&H** Introduction to behavioral and social aspects of communication disorders. Includes a broad overview of human communication, with emphasis on development, adult functions, and cultural differences, in addition to disorders. Also examines general approaches to rehabilitation of the communicatively handicapped and current controversies.

**SPHS-S 111 Introduction to Phonetics for Speech and Hearing Sciences (3 cr.)** **CASE N&M** Scientific study of speech production, based on the International Phonetic Alphabet. Exercises in transcription.

### SPHS-S 201 Speech and Hearing Physiology (3 cr.)

**CASE N&M** Introduction to the anatomy and physiology of the speech mechanism, including respiration, phonation, articulation/resonance, nervous system, and audition.

### SPHS-S 215 Honors Seminar (3 cr.)

**CASE N&M** An undergraduate seminar for Hutton Honors College students. Focuses on the sciences of speech and hearing within the context of human communication. May include such topics as evolution, bioacoustics, history, disorders, and more.

### SPHS-S 275 Human Hearing and Communication (3 cr.)

R: S111. Examines human hearing and communication, including the physics of sound, auditory anatomy and physiology, and auditory perception; diagnostic audiology, including hearing assessment and screening; rehabilitative audiology, including an overview of hearing aids, cochlear implants, and educational issues for children with hearing loss.

### SPHS-S 302 Acoustics for Speech and Hearing Sciences (3 cr.)

**CASE N&M** P: MATH A118, M118, S118, M119, M120, or any 200-level mathematics course. Basic acoustics with the emphasis being on topics

applicable to the speech and hearing sciences. Acoustics of the speech and hearing mechanisms. Instrumentation for sound production and recording.

**SPHS-S 307 Cognitive and Communicative Aspects of Aging (3 cr.) CASE N&M** R: SPHS S201 or ANAT A215 or equivalent. Review of cognitive and communicative changes associated with normal aging as well as with diseases and conditions that are prevalent in the aging population. Includes discussion of methodological issues in research on aging as well as principles for maximizing communication with the elderly population.

**SPHS-S 311 Introduction to Research in Speech, Language, and Hearing Sciences (3 cr.)** P or C: An undergraduate statistics course, such as K300. Introduction to research methodology in speech and hearing science, both basic and applied. Focuses on basic designs, analyses, and how research informs clinical practice. Course includes discussion of ethics, evaluation of research, and scientific writing.

**SPHS-S 333 Childhood Language (3 cr.) CASE N&M** R: LING L103 or L303. Develops student knowledge of how language is acquired by young children. Examines data on what young infants and young children know about language at different ages, and considers the kinds of theories that may explain this data.

**SPHS-S 350 Speech Science (3 cr.)** P: Junior or senior standing; S201. R: S302. Provides an overview of speech production, including acoustics and physiology, as well as speech perception. The focus is on non-disordered speech in adults with some coverage of development as warranted.

**SPHS-S 370 Clinical Issues in Audiology (1 cr.)** P: Consent of instructor. Introduction to clinical practice in audiology. Emphasis on familiarization with clinic equipment and protocol as well as clinical application of concepts learned in other audiology courses. A limited number of students may also qualify for supervised experiences in the clinic. May be repeated for a maximum of 6 credit hours.

**SPHS-S 373 Laboratory in Amplification (1 cr.)** C: S376. Laboratory exercises in hearing aid selection, fitting and evaluation, earmold acoustics, hearing aid instruction and repair, and electroacoustic evaluation of instruments. To be taken concurrently with S376.

**SPHS-S 375 Hearing Science (3 cr.)** Provides an in-depth study of hearing in the normal auditory system. Topics include anatomy and physiology of the ear, anatomy and physiology of the auditory brain, and auditory perception and psychophysics.

**SPHS-S 376 Amplification for the Hearing Impaired (3 cr.)** C: S373. Types and components of electroacoustic hearing aids, earmold acoustics, and procedures for the selection, evaluation, and fitting of hearing aids.

**SPHS-S 378 Introduction to Psychoacoustics (3 cr.)** Perception of sound by normal and hearing-impaired listeners. Topics covered include masking, pitch, loudness, sound localization, and other auditory phenomena.

**SPHS-S 399 Reading and Research for Honors (1 cr.)** P: Junior standing and approval of departmental honors committee.

**SPHS-S 415 Seminar in Speech and Hearing Sciences (1-6 cr.)** P: Minimum cumulative grade point average of 3.000. Readings, experiments, and reports in area of student's special interest. May be S/F graded. May be repeated with a different topic for a maximum of 6 credit hours.

**SPHS-S 418 Undergraduate Teaching Internship in Speech and Hearing (1 cr.)** P: Open to seniors with priority given to SPHS majors; overall GPA of 3.500 and permission of instructor required. Students assist in an undergraduate course under the guidance of a faculty member and are required to attend a weekly seminar to discuss theory and practice of teaching. S/F grading. May be repeated up to 2 credit hours.

**SPHS-S 420 Phonological Acquisition and Disorders in Children (3 cr.)** P: S111 or LING L103 or L303. Survey of acquisition and development of sound systems, with focus on perception and production. Relationship between normal sound development and phonological disorders. Procedures for assessing and treating phonological disorders.

**SPHS-S 425 Topical Seminar in Speech Science (3 cr.)** P: Junior or senior standing; S350. R: S302. Addresses in-depth topics related to speech science. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours; only 3 credit hours may count toward the major.

**SPHS-S 427 Topical Seminar in Language Sciences (3 cr.)** P: Junior or senior standing; S333 and S111. R: LING-L 203. Addresses in-depth topics related to language sciences. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours; only 3 credit hours may count toward the major.

**SPHS-S 429 Topical Seminar in Hearing Science (3 cr.)** P: Junior or senior standing; S375. R: S302. Addresses in-depth topics related to hearing science. Topics vary. May be repeated with a different topic for a maximum of 6 credit hours; only 3 credit hours will count toward the major.

**SPHS-S 436 Language Disorders in Children (3 cr.)** P: S333. Theory and method in language assessment and intervention. Coverage of principles of language intervention based on psycholinguistic theory and research with language disordered children, design and execution of language intervention experiences; current alternative approaches to language intervention.

**SPHS-S 444 Voice Physiology Across the Lifespan (3 cr.) CASE N&M** P: S201. R: S111. Covers anatomical, biomechanical, and behavioral aspects of voice physiology and explores changes in the voice that occur from birth through adulthood. Discussion of normal voice function is augmented with descriptions of common causes of dysphonia, as well as lessons on how to maintain a healthy vocal system.

**SPHS-S 445 Introduction to Fluency Disorders (3 cr.)** Focuses on developmental stuttering, as well as cluttering, neurogenic stuttering, and psychogenic stuttering. Emphasis on the identification, behavior characteristics,

and etiology of developmental stuttering, along with an overview of common diagnostic/treatment approaches for stuttering across the lifespan.

**SPHS-S 462 Seminar/Practicum (1-3 cr.)** Beginning practicum experience in speech and language pathology, with seminar. May be repeated once for credit for a maximum of 6 credit hours.

**SPHS-S 473 Principles of Speech-Language Pathology (3 cr.)** P: One of SPHS-S420, SPHS-S436, or SPHS-S445. Examines the field of speech-language pathology, including assessment and treatment of speech and language disorders. In-class laboratory provides observation and experience with specific assessment procedures.

**SPHS-S 474 Introduction to Audiological Testing (4 cr.)** P: S275. Rationale and basic procedures in the evaluation of hearing loss. Laboratory exercises.

**SPHS-S 475 Principles of Audiology (4 cr.)** R: S275. Examines the field of audiology including assessment and treatment of hearing loss. Laboratory exercises are provided so that students can gain hands-on experience with hearing evaluation and treatment.

**SPHS-S 477 Auditory Disorders (3 cr.)** P: S275. Study of auditory pathology and the associated audiological test findings. Focus placed on etiology and the auditory and non-auditory manifestations of the disorders.

**SPHS-S 478 Rehabilitative Audiology (3 cr.)** P: S275. Basic orientation to audiologic rehabilitation for children and adults. Topics covered include speech acoustics, audiovisual speech perception, hearing aids, assistive listening devices, implantable auditory prostheses, cultural issues, and assessment and treatment options for children and adults with hearing loss.

**SPHS-S 480 Independent Study in Speech and Hearing Sciences (1-3 cr.)** P: Consent of instructor. Individual study under guidance of faculty member. May be repeated for a maximum of 6 credits.

**SPHS-S 499 Reading and Research for Honors (1 cr.)** P: Senior standing and approval of departmental honors committee. Course must be taken during the fall and spring of the academic year.

## Statistics

### Introduction

Statistics is the science of data. Data are numbers with a context; the particular context that gave rise to the numbers is important. In addition to a knowledge of mathematics, statisticians must learn about the scientific disciplines that generate data of interest to understand and explain the observational studies or the statistical experiments in question. For example, statisticians calculate probabilities for DNA paternity tests; design clinical trials to study the effectiveness of new medications; study economic time series data, such as gross domestic product from developing countries in Africa; and develop statistical models of responses from fMRI psychological experiments.

The field of statistics has a coherent body of theory, which students of the field master, as well as methodology designed for applied uses in many disciplines. The Department of Statistics (STAT) teaches courses in both theoretical and applied statistics.

### Contact Information

Department of Statistics  
Indiana University  
309 N. Park Avenue  
Bloomington, IN 47408  
(812) 855-STAT (7828)  
[deptstat@indiana.edu](mailto:deptstat@indiana.edu)  
<http://www.stat.indiana.edu/>

### Core Faculty

#### Chairperson

- Michael Trosset

#### Distinguished Professor and Chancellor's Professor of Sociology and Statistics

- J. Scott Long

#### Rudy Professor of Statistics

- Karen Kafadar

#### Rudy Professor of Statistics and Psychology

- Stanley Wasserman

#### Professors

- Michael Trosset

#### Associate Professor

- Chunfeng Huang

#### Assistant Professors

- Daniel Manrique-Vallier
- Daniel McDonald
- Guilherme Rocha

#### Visiting Assistant Professor

- Brad Luen

#### Lecturer

- Arturo Valdivia

#### Adjunct Faculty

- Franklin Acito (Kelley School of Business)
- Katy Börner (School of Informatics and Computing)
- Richard Bradley (Mathematics)
- Jerome Busemeyer (Psychological and Brain Sciences)
- Yoosoon Chang (Economics)
- Juan Carlos Escanciano (Economics)
- Victor Goodman (Emeritus, Mathematics)
- Andrew Hanson (Emeritus, School of Informatics and Computing)
- Elizabeth Housworth (Mathematics)
- John Kruschke (Psychological and Brain Sciences)
- Yoon-Jin Lee (Economics)
- Russell Lyons (Mathematics)
- Robert Nosofsky (Psychological and Brain Sciences)
- Joon Park (Economics)
- Joanne Peng (School of Education)

- Predrag Radivojac (School of Informatics and Computing)
- Christopher Raphael (School of Informatics and Computing)
- Scott Robeson (Geography)
- Richard Shiffrin (Psychological and Brain Sciences)
- James Townsend (Psychological and Brain Sciences)
- Pravin Trivedi (Emeritus, Economics)

#### **Academic Advising**

- [malijack@indiana.edu](mailto:malijack@indiana.edu), Simon Hall 102A, (812) 855-9511@

## **Major in Statistics—B.S.**

### **Purpose**

The program leading to the B.S. in Statistics provides students with an education in the science of data and data analysis, including statistical theory, statistical computation, and practical applications. It teaches students to think critically about quantitative methodologies and prepares them for careers that involve analyzing data, including the possibility of graduate study in statistics.

### **Required Courses**

1. Writing: Students must fulfill the writing requirements for a B.A. in the College of Arts and Sciences (English Composition and Intensive Writing).
2. Foreign language: 3 credit hours at or above the second-year level (or the equivalent proficiency).
3. Arts and Humanities: Three courses.
4. Social and Historical Studies: Three courses.
5. Natural Sciences: Three courses, excluding courses in quantitative methodology (e.g., in statistics, mathematics, or computer science). These courses must be completed with a grade of C– or higher. Must include one Natural Science course in fulfillment of the General Education curriculum, which can be combined with the math courses required by the major.
6. Critical Approaches: One course.
7. Public Oral Communication: One course.
8. Concentration requirements: The following ten courses (or their equivalents, as approved by the director of undergraduate studies) must be completed with a grade of C– or higher in each course.
  - a. Basic Mathematics: M211, M212 or M213, M311 (Calculus I–III). The requirement of M211 and M212 can be waived for students who attain appropriate scores on advanced placement calculus tests.
  - b. Mathematics for Statistics: M301 Linear Algebra and Applications or M303 Linear Algebra for Undergraduates or S303 Honors Course in Linear Algebra, M463 Introduction to Probability Theory I.
  - c. Statistics: S320 Introduction to Statistics, S420 Introduction to Statistical Theory, S431 and S432 Applied Linear Models I–II, S490 Statistical Consulting.
9. Concentration elective courses: At least 3 additional courses that concern the theory or practice of quantitative methodology. Ordinarily, these courses

should be 400-level courses in or cross-listed with Statistics. Courses that are not cross-listed with Statistics must be approved by the director of undergraduate studies.

10. Computer proficiency: Reasonable proficiency in computer programming demonstrated by earning a grade of at least a C– in CSCI-A 201, MATH-M 371, or an appropriate substitute approved by the director of undergraduate studies.

Students must also complete the degree requirements of the College of Arts and Sciences.

## **Course Descriptions**

### **STAT-S 100 Statistical Literacy (3 cr.) CASE N&M**

**P:** MATH M014 or equivalent. How to be an informed consumer of statistical analysis. Experiments and observational studies, summarizing and displaying data, relationships between variables, quantifying uncertainty, drawing statistical inferences. Credit given for only one of S100 or H100.

### **STAT-H 100 Statistical Literacy, Honors (3 cr.) CASE**

**N&M P:** MATH M014 or equivalent and permission of the Hutton Honors College. How to be an informed consumer of statistical analysis. Experiments and observational studies, summarizing and displaying data, relationships between variables, quantifying uncertainty, drawing statistical inferences. Credit given for only one of H100 or S100.

### **STAT-S 201 Networks 2.0: Quantitative Literacy (3 cr.)**

**CASE N&M P:** STAT S100 or any other introductory statistics course or permission of instructor. How to understand, analyze, and view networks. Topics include network visualization, data gathering, and an overview of network theory and analysis. Students learn basic network terminology and see examples of network methodology, studying a wide variety of network structural analyses designed to illustrate network theories. Possible applications to social and behavioral sciences, information science, political science, public health, and Facebook.

### **STAT-S 211 Statistics for Journalists (3 cr.) CASE**

**N&M P:** Math-M 014 or equivalent. Essential statistical concepts and tools for journalists in the age of data, including probability, graphics, descriptive statistics, prediction, study design, comparison, testing, and estimation. The course has a heavier emphasis on writing and reading media reports than other introductory statistics courses.

### **STAT-S 300 Introduction to Applied Statistical**

**Methods (4 cr.) CASE N&M P:** MATH M014 or equivalent. Introduction to methods for analyzing quantitative data. Graphical and numerical descriptions of data, probability models of data, inference about populations from random samples. Regression and analysis of variance. Lecture and laboratory. Credit given for only one of STAT S300 or K310 or S301, ANTH A306, CJUS K300, ECON E370 or S370, MATH K300 or K310, POLS Y395, PSY K300 or K310, SOC S371, or SPEA K300.

### **STAT-S 301 Applied Statistical Methods for Business (3 cr.) CASE N&M P:** Math M118 or equivalent.

Introduction to methods for analyzing data arising in business, designed to prepare business students for

the Kelley School's Integrative Core. Graphical and numerical descriptions of data, probability models, fundamental principles of estimation and hypothesis testing, applications to linear regression and quality control. Microsoft Excel used to perform analyses. Credit given for only one of S301, K310 or S300, ANTH A306, CJUS K300, ECON E370 or S370, POLS Y395, MATH K300 or K310, PSY K300 or K310, SOC S371, or SPEA K300.

**STAT-S 303 Applied Statistical Methods for the Life Sciences (3 cr.) CASE N&M** P: MATH-M 014. Introduction to methods for analyzing data arising in the life sciences, designed for biology, human biology, and pre-medical students. Graphical and numerical descriptions of data, probability models, fundamental principles of estimation and hypothesis testing, inferences about means, correlation, linear regression. Credit given for only one of the following: STAT S300, S301, S303 or S310, ANTH A306, CJUS K300, ECON E370 or S370, LAMP L316, MATH K300 or K310, POLS Y395, PSY K300 or K310, SOC S371, SPEA K300.

**STAT-K 310 Statistical Techniques (3 cr.) CASE N&M** P: MATH M119 or equivalent. Introduction to probability and statistics. Elementary probability theory, conditional probability, independence, random variables, discrete and continuous probability distributions, measures of central tendency and dispersion. Concepts of statistical inference and decision: estimation, hypothesis testing, Bayesian inference, statistical decision theory. Special topics discussed may include regression and correlation, time series, analysis of variance, nonparametric methods. Credit given for only one of K310 or S300 or S301, ANTH A306, CJUS K300, ECON E370 or S370, MATH K300 or K310, POLS Y395, PSY K300 or K310, SOC S371, or SPEA K300.

**STAT-S 320 Introduction to Statistics (3 cr.) CASE N&M** P: MATH M212 or M301 or M303. Basic concepts of data analysis and statistical inference, applied to 1-sample and 2-sample location problems, the analysis of variance, and linear regression. Probability models and statistical methods applied to practical situations using actual data sets from various disciplines. Credit given for only one of S320 or MATH M365.

**STAT-S 420 Introduction to Statistical Theory (3 cr.)** P: STAT S320 and MATH M463, or consent of instructor. Fundamental concepts and principles of data reduction and statistical inference, including the method of maximum likelihood, the method of least squares, and Bayesian inference. Theoretical justification of statistical procedures introduced in S320.

**STAT-S 425 Nonparametric Theory and Data Analysis (3 cr.)** P: S420 and S432, or consent of instructor. Survey of methods for statistical inference that do not rely on parametric probability models. Statistical functionals, bootstrapping, empirical likelihood. Nonparametric density and curve estimation. Rank and permutation tests.

**STAT-S 426 Bayesian Theory and Data Analysis (3 cr.)** P: S420 and S432 or consent of instructor. Introduction to the theory and practice of Bayesian inference. Prior and Posterior probability distributions. Data collection, model formulation, computation, model checking, sensitivity analysis.

**STAT-S 431 Applied Linear Models I (3 cr.)** P: STAT S320 and MATH M301 or M303 or S303, or consent of instructor. Part I of a two-semester sequence on linear models, emphasizing linear regression and the analysis of variance, including topics from the design of experiments and culminating in the general linear model.

**STAT-S 432 Applied Linear Models II (3 cr.)** P: S431, or consent of instructor. Part II of a two-semester sequence on linear models, emphasizing linear regression and the analysis of variance, including topics from the design of experiments and culminating in the general linear model.

**STAT-S 437 Categorical Data Analysis (3 cr.)** P: S420 and S432 or consent of instructor. The analysis of cross-classified categorical data. Loglinear models; regression models in which the response variable is binary, ordinal, nominal, or discrete. Logit, probit, multinomial logit models; logistic and Poisson regression.

**STAT-S 439 Multilevel Models (3 cr.)** P: S420 and S432 or consent of instructor. Introduction to the general multilevel model with an emphasis on applications. Discussion of hierarchical linear models and generalizations to nonlinear models. How such models are conceptualized, parameters estimated and interpreted. Model fit via software. Major emphasis throughout the course will be on how to choose an appropriate model and computational techniques.

**STAT-S 440 Multivariate Data Analysis (3 cr.)** P: S420 and S432, or consent of instructor. Elementary treatment of multivariate normal distributions, classical inferential techniques for multivariate normal data, including Hotelling's  $T^2$  and MANOVA. Discussion of analytic techniques such as principal component analysis, canonical correlation analysis, discriminant analysis, and factor analysis.

**STAT-S 445 Covariance Structure Analysis (3 cr.)** P: S420 and S440, or consent of instructor. Path analysis. Introduction to multivariate multiple regression, confirmatory factor analysis, and latent variables. Structural equation models with and without latent variables. Mean-structure and multi-group analysis.

**STAT-S 450 Time Series Analysis (3 cr.)** P: MATH M466 or STAT S420, and STAT S432, or consent of instructor. Techniques for analyzing data collected at different points in time. Probability models, forecasting methods, analysis in both time and frequency domains, linear systems, state-space models, intervention analysis, transfer function models and the Kalman filter. Topics also include: stationary processes, autocorrelations, partial autocorrelations, autoregressive, moving average, and ARMA processes, spectral density of stationary processes, periodograms and estimation of spectral density.

**STAT-S 455 Longitudinal Data Analysis (3 cr.)** P: S420 and S432 or consent of instructor. Introduction to methods for longitudinal data analysis; repeated measures data. The analysis of change—models for one or more response variables, possibly censored. Association of measurements across time for both continuous and discrete responses.

**STAT-S 460 Sampling (3 cr.)** P: S420 and S432, or consent of instructor. Design of surveys and analysis of

sample survey data. Simple random sampling, ratio and regression estimation, stratified and cluster sampling, complex surveys, nonresponse bias.

**STAT-S 470 Exploratory Data Analysis (3 cr.)** P: S420 and S432, or consent of instructor. Techniques for summarizing and displaying data. Exploration versus confirmation. Connections with conventional statistical analysis and data mining. Application to large data sets.

**STAT-S 475 Statistical Learning and High-Dimensional Data Analysis (3 cr.)** P: S440 or consent of instructor. Data-analytic methods for exploring the structure of high-dimensional data. Graphical methods, linear and nonlinear dimension reduction techniques, manifold learning. Supervised, semi-supervised, and unsupervised learning.

**STAT-S 481 Topics in Applied Statistics (3 cr.)** P: Consent of instructor. Careful study of a statistical topic from an applied perspective. May be repeated with different topics for a maximum of 12 credit hours.

**STAT-S 482 Topics in Mathematical Statistics (3 cr.)** P: Consent of instructor. Careful study of a statistical topic from a theoretical perspective. May be repeated with different topics for a maximum of 12 credit hours.

**STAT-S 490 Statistical Consulting (4 cr.)** P: Consent of instructor. Development of effective consulting skills, including the conduct of consulting sessions, collaborative problem-solving, using professional resources, and preparing verbal and written reports. Interactions with clients will be coordinated by the Indiana Statistical Consulting Center.

**STAT-S 495 Readings in Statistics (1-3 cr.)** P: Consent of instructor. Supervised reading of a topic in statistics. May be repeated with different topics for a maximum of 12 credit hours.

## Telecommunications

### Introduction

Telecommunications is the study of a broad range of electronic media industries in a liberal arts context. Areas of focus include radio, television, cable, satellite services, telephony, multimedia, the Internet, and video games. Three major course concentrations focus on (1) the electronic media's influences on audiences and users; (2) the design and production of video, audio, and multimedia materials, including video games; and (3) the business, legal, and managerial aspects of telecommunications.

WFIU-FM and WTIU-TV, university-owned broadcast stations, and instructional teleconferencing media are also located in the Radio and TV Center alongside the Department of Telecommunications (TEL). The stations provide on-campus opportunities for part-time jobs and internships in electronic media production and operations. Off-campus internships are also available and strongly encouraged.

### Contact Information

Department of Telecommunications  
Indiana University  
261 Radio-Television Building  
1229 E. 7th St.  
Bloomington, IN 47405

(812) 855-3828  
[tcom@indiana.edu](mailto:tcom@indiana.edu)

<http://www.indiana.edu/~telecom/index.shtml>

### Faculty

#### Chairperson

- Professor Walter Gantz

#### Distinguished Professor

- Annie Lang

#### Professors

- Edward Castranova
- Barbara Cherry
- Elizabeth Grabe
- Michael McGregor
- Harmeet Sawhney

#### Associate Professors

- Julia Fox
- Bryant Paul
- Robert Potter

#### Assistant Professors

- Amy Gonzales
- Julien Maillard
- Nicole Martins
- Andrew Weaver
- Paul Wright

#### Professor of Practice

- Robby Benson
- Michael Sellers

#### Senior Lecturers

- Robert Affe
- Norbert Herber
- Susan Kelly
- Steven Krahne
- James Krause
- John Walsh

#### Lecturers

- Will Emigh
- Matt Pierce

#### Professors Emeriti

- Ron Osgood
- David Waterman

#### Academic Advising

- Janis Bolling, Radio-TV Center 240, (812) 855-3828
- Jeanne Myers, Radio-TV Center 240, (812) 856-3075

## Major in Telecommunications

### Purpose

Students learn about the organizations and institutions involved in the electronic media and the impact of those

organizations and institutions on society. Students can study the effects of the media; the economics and management of the media; how video, audio, and multimedia messages are created; and many other aspects of telecommunications. The curriculum emphasizes the impact of technology on communications, considers international as well as domestic contexts, and explores historical as well as contemporary concerns. Many graduates enter the electronic media industries; others find careers in such related areas as advertising, consulting, and communications planning. Some pursue graduate degrees in communications, law, business, or other fields.

### **Required Courses**

Once admitted, students plan a program of study with the academic advisors. Faculty members provide assistance with course selection and career development. Graduation requires completion of the degree requirements of the College of Arts and Sciences plus the following departmental requirements:

1. A minimum of 30 credit hours and up to a maximum of 42 credit hours in telecommunications.
2. T101, T205, T206, and T207 or equivalent course work approved by the director of undergraduate studies.
3. At least 12 credit hours within one of the three areas of study: Media and Society, Design and Production, and Industry and Management.
4. At least 18 credit hours at the 300–400 levels.

Students may earn only one of the following four credentials: major in telecommunications, minor in telecommunications, Certificate in Game Studies, or Certificate in New Media and Interactive Storytelling.

### **Business Minor for Telecommunications Majors**

Telecommunications majors may earn a minor, designed specifically for telecommunications majors, through the Kelley School of Business. This plan of study emphasizes management and marketing and consists of 15 credit hours. Students electing this minor must fulfill course prerequisites listed in the current Kelley School of Business Undergraduate Academic Bulletin and supplements.

Students electing this minor in business must notify the academic advisor of the Department of Telecommunications.

### **Required Courses**

A minimum of 15 credit hours in business courses, including the following:

1. All three of the following courses in the Kelley School of Business:
  - BUS-A 200 Foundations of Accounting (3 cr.)
  - BUS-L 201 Legal Environment of Business (3 cr.)
  - BUS-Z 302 Managing and Behavior in Organizations (3 cr.)
2. Two of the following courses in the Kelley School of Business:
  - BUS-G 300 Introduction to Managerial Economics (3 cr.)

- BUS-F 300 Introduction to Financial Management (3 cr.) P: A200 or A201 or A202.
- BUS-L 356 Intellectual Property Law and Strategy in a Global Environment (3 cr.)
- BUS-M 300 Introduction to Marketing (3 cr.) P: A200 or A201 or A202.
- BUS-M 311 Introduction to Marketing Communications (3 cr.) P: M300.
- BUS-M 312 Retail Marketing Management (3 cr.) P: M300.
- BUS-P 300 Introduction to Operations Management (3 cr.) P: A200 or A201 or A202.
- BUS-R 300 Real Estate Law (3 cr.) P: L201 or L293 with a grade of C or higher.
- BUS-Z 447 Leadership, Teamwork, and Diversity (3 cr.) P: Z302 or Z304.

*Recommended course* (does not count toward 15 credit hour business minor):

- ECON-E 201 Introduction to Microeconomics (3 cr.)

Telecommunications majors may count only two courses for a maximum of 6 credit hours toward both the Business Minor for Telecommunications and another minor offered by the Kelley School of Business.

### **Minor in Telecommunications**

#### **Requirements**

A minimum of 15 credit hours in telecommunications, including:

1. Two courses from T101, T205, T206, and T207.
2. Three additional telecommunications courses with at least 9 credit hours at the 300–400 level.

### **Certificate in Game Studies**

The Certificate in Game Studies is intended for students who want to focus specifically on designing and building interactive games. A student may earn a certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. The Certificate in Game Studies is available to students outside the telecommunications major or minor; students pursuing a major or minor in telecommunications may choose to focus on game design courses in the telecommunications major or minor program of study.

The program requires the completion of a 13 credit core and 15 credit hours of electives. Each course must be completed with a minimum grade of C– or higher.

### **Required Courses in Telecommunications**

(13 credit hours)

- TEL-T 160 Videogames: History and Social Impact (3 cr.)
- TEL-T 206 Introduction to Design and Production (3 cr.)
- TEL-T 284 Introduction to Interactive Media Design (3 cr.)
- TEL-T 367 Theory and Practice of Game Design (3 cr.)
- TEL-T 460 Projects in Game Design (1 cr.)

### **Electives**

(At least 9 of the 15 credit hours of electives must be at the 300–400 level.)

### **Computer Science**

- CSCI-A 201 Introduction to Programming (4 cr.)

### **Fine Arts**

- FINA-D 210 Digital Art: Survey and Practice (3 cr.)
- FINA-D 310 Interactive Multimedia (3 cr.)
- FINA-D 317 Video Art (3 cr.)

### **Telecommunications**

- TEL-T 260 The Videogame Industry (3 cr.)
- TEL-T 353 Audio Production (3 cr.)
- TEL-T 361 Games and Interactive Media (3 cr.)
- TEL-T 364 Introduction to 3D Digital Modeling and Animation (3 cr.)
- TEL-T 366 Multiplayer Game Design (3 cr.)
- TEL-T 369 Sound Design (3 cr.)
- TEL-T 433 Advanced Projects in Web Design (3 cr.)
- TEL-T 461 Advanced Games and Interactive Media (3 cr.)
- TEL-T 464 Advanced 3D Digital Modeling and Animation (3 cr.)

### **Theatre, Drama and Contemporary Dance**

- THTR-T 438 Advanced Stage Lighting Design (3 cr.)

### **School of Education**

- EDUC-R 347 Impact of Games and Simulations in Instructional Technology (3 cr.)

### **Jacobs School of Music**

- MUS-Z 361 Introduction to MIDI and Computer Music (3 cr.)

Students seeking the certificate should contact an undergraduate advisor in the Department of Telecommunications before beginning study. The semester prior to graduation, students must present their program of study to an undergraduate advisor in the Department of Telecommunications for certification.

## **Certificate in New Media and Interactive Storytelling**

The Certificate in New Media and Interactive Storytelling is intended for students seeking a broad range of design skills for a variety of interactive Web content, including information, education, commercial applications, and entertainment.

### **Purpose**

"New media" can be defined as the entire range of computer-based or computer-enhanced communication. This includes digital radio and television, Internet applications, and videogames. Meaningful new media projects are a combination of technological expertise and compelling content from a variety of sources, including the sciences, the arts, and the humanities. The goal of this program is to provide undergraduates with the theoretical, creative, and technological bases for the production of new media products.

A student may earn a certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. The Certificate in New Media and Interactive Storytelling is available to students outside the telecommunications major or minor.

The program requires the completion of a 15 credit hour core, which includes a 3 credit hour final project, and 12 credit hours of electives (9 credit hours must be at the 300 and 400 level).

Students seeking the certificate should contact an undergraduate advisor in the Department of Telecommunications before beginning study. The semester prior to graduation, students must present their program of study to an undergraduate advisor in the Department of Telecommunications for certification.

### **Required Courses in Telecommunications**

(15 credit hours)

- TEL-T 206 Introduction to Design and Production (3 cr.)
- TEL-T 283 Introduction to Production Techniques and Practices (3 cr.)
- TEL-T 284 Introduction to Interactive Media Design (3 cr.)
- TEL-T 471 Applying Theory to Media Design (3 cr.)
- TEL-T 495 New Media Certificate Project (3 cr.)

### **Electives**

(12 credit hours from the following list of courses; at least 9 credit hours must be at the 300 or 400 level.)

### **Communication and Culture**

- CMCL-C 337 New Media (3 cr.)

### **Computer Science**

- CSCI-A 201 Introduction to Programming I (4 cr.)
- CSCI-A 348 Mastering the World Wide Web (3–4 cr.)
- CSCI-B 481 Interactive Graphics (4 cr.)

### **Fine Arts**

- FINA-D 210 Digital Art: Survey and Practice (3 cr.)
- FINA-D 310 Interactive Multimedia (3 cr.)
- FINA-D 317 Video Art (3 cr.)

### **Telecommunications**

- TEL-T 193 Passport to Cyberia: Making the Virtual Real (3 cr.)
- TEL-T 353 Audio Production (3 cr.)
- TEL-T 354 Program Graphics and Animation (3 cr.)
- TEL-T 361 Games and Interactive Media (3 cr.)
- TEL-T 364 Introduction to 3D Digital Modeling and Animation (3 cr.)

### **Theatre, Drama and Contemporary Dance**

- THTR-T 438 Lighting Design (3 cr.)

### **School of Education**

- EDUC-R 347 Impact of Games and Simulations in Instructional Technology (3 cr.)

### **School of Informatics and Computing**

- INFO-I 300 Human-Computer Interaction Design and Programming (3 cr.)
- INFO-I 494 Design and Development of an Information System (3 cr.)

### **Jacobs School of Music**

- MUS-Z 361 Introduction to MIDI and Computer Music (3 cr.)

## **Departmental Honors Program**

Outstanding students in telecommunications may be admitted to the departmental honors program. The program requires students to complete 12 credit hours of honors work, including a senior thesis. Students admitted to the program should consult the online for specific honors courses. In addition to undergraduate courses, students may apply for admission to graduate-level courses in the department for honors credit. A minimum cumulative grade point average of 3.300 and a 3.500 average in telecommunications courses are required for the honors degree. Further information may be obtained from the departmental honors advisor.

## **Overseas Study**

Telecommunications students are encouraged to study abroad, particularly on Indiana University overseas study programs, where they can continue to make progress toward their degree and apply financial aid to program fees. In some cases students can earn Department of Telecommunications credits while studying abroad. For more information about study abroad, contact the Office of Overseas Study, Leo R. Dowling International Center, 111 S. Jordan Avenue, (812) 855-9304; [www.indiana.edu/~overseas](http://www.indiana.edu/~overseas).

## **Course Descriptions**

**TEL-T 101 Media Life (3 cr.) CASE S&H** Examines the role media play in our lives—at work, at school, among family members, friends, and lovers—and analyzes pressing issues in media and society today, such as privacy, globalization, and convergence.

**TEL-T 160 Videogames: History and Social Impact (3 cr.) CASE S&H** Explores the origins of videogames and their growing influence on daily life. Students learn how games affect individual thinking, learning, and socializing, and how they affect society as a whole.

**TEL-T 191 Race, Ethnicity, and Media (3 cr.) CASE S&H, CASE DUS** This course examines how the social construction of race impacts media content, audiences, and employment/access. In examining these issues, the course will explore mechanisms of racism and consider efforts to overcome media racism in the United States. Includes screening, interpretation, and analysis of electronic media content, and guest lectures and presentations. Credit not given for both T191 and CMCL-C 201.

**TEL-T 192 Women and the Media (3 cr.) CASE S&H, CASE DUS** Examines the representation of women in the media and analyzes women's creative work as media producers. The course will include screening, lecture, and discussion in areas of critical debate: positive images, visual representation; racial and ethnic stereotyping; women's employment in media industries; women as an

audience/consumer group. Credit not given for both T192 and CMCL-C 203.

**TEL-T 193 Passport to Cyberia: Making the Virtual Real (3 cr.) CASE A&H** Examines the increasing cyborgization of our lives. Readings and discussions will consider ways in which humans and machines are intertwined and interdependent and how these phenomena have a profound effect on our culture.

### **TEL-T 195 Topical Seminar in Telecommunications**

**(3 cr.) CASE S&H** Exploration of problems and issues of telecommunications in contemporary society. Topics vary. May not be repeated for credit.

### **Media and Society Area**

#### **TEL-T 205 Introduction to Media and Society (3 cr.) CASE S&H**

This course examines the construction of social meaning associated with mediated messages as well as the range of uses and consequences of exposure to mediated messages in individuals, groups, organizations, and society.

#### **TEL-T 311 Media History (3 cr.) CASE S&H**

P: T205 or T207 with a grade of C– or higher, or consent of instructor. Surveys the historical development of mediated communication suggesting linkages between past and present. Examines a variety of time periods and media forms: telegraphy, telephony, radio, television, and computer communication.

#### **TEL-T 312 Politics and the Media (3 cr.) CASE S&H**

P: T205 with a grade of C– or higher, or consent of instructor. Examines the relationship between media and modern politics. Topics will vary. May not be repeated for credit.

#### **TEL-T 313 Comparative Media Systems (3 cr.) CASE S&H**

T205 or T207 with a grade of C– or higher, or consent of instructor. A comparative study of the ways in which various countries deal with fundamental questions of media organization, control, financial support, program philosophy, and social responsibility.

#### **TEL-T 314 Telecommunications Processes and Effects (3 cr.) CASE S&H**

P: T205 with a grade of C– or higher, or consent of instructor. Examination of the effects of the mass media on human cognitions, attitudes, and behaviors, relying on empirical social science research; emphasis on the effects on individuals, although study will include groups, organizations, and social norms.

#### **TEL-T 316 Media Ethics and Professional Responsibility (3 cr.) CASE S&H**

P: T205 or T207 with a grade of C– or higher, or consent of instructor. An analysis of the media environment, including organizational structure, corporate responsibility, and the role of the individual in the media environment. Formulation of ethical principles to guide media policy and practice.

#### **TEL-T 317 Children and Media (3 cr.) CASE S&H**

P: T205 with a grade of C– or higher, or consent of instructor. Acquaints students with the popular and research literatures on children and media, including television and computers. Students will be expected to identify recurring themes and topics related to children and media and to evaluate their significance in understanding the role of media in children's lives.

**TEL-T 410 Sex in the Media (3 cr.) CASE S&H** P: T205 with a grade of C– or higher, or consent of instructor. Explores the role and portrayal of sex and sexuality in media and examines in detail the potential social and psychological effects of exposure to sexual content in the media.

**TEL-T 414 Public Communication Campaigns (3 cr.) CASE S&H** P: T205 with a grade of C– or higher, or consent of instructor. Theoretical backgrounds of media campaigns; analyses of persuasion strategies, campaign goals, communication media, audiences, and campaign effectiveness. Case studies of campaigns for social action; original analysis of specific campaigns.

**TEL-T 416 Program Analysis and Criticism (3 cr.) CASE A&H** P: T205 or T206 with a grade of C– or higher, or consent of instructor. Critical analysis of the form, production, and performance elements of program genres including drama, comedy, talk and game shows, documentaries, news, and emerging or experimental types of mass media content. Explores the relationships between programming, the media industries, and American culture.

**TEL-T 424 Telecommunications and the Constitution (3 cr.) CASE S&H** P: T205 or T207 with a grade of C– or higher, or consent of instructor. Surveys the constitutional foundations of telecommunications law and policy in the United States. Primary focus on the philosophies informing the freedom of speech and press traditions, the First Amendment and how it applies to electronic media, and government regulations purporting to promote First Amendment values.

**TEL-T 427 International Telecommunications (3 cr.) CASE S&H** P: T205 or T207 with a grade of C– or higher, or consent of instructor. A comparative study of the development of broadband networks in different parts of the world. The interaction between national telecommunications policies and international arrangements, institutions, and structures.

**TEL-T 445 Sports and Television (3 cr.) CASE S&H** P: T205 or T207 with a grade of C– or higher, or consent of instructor. Seminar exploring issues in televised sports in support of and in conflict with other cultural icons in society, business, and education. Includes writing on the ways sports, as program content, influences the television industry and on the ways television influences college and professional sports.

**TEL-T 451 Topical Seminar in Media and Society (1-3 cr.)** P: T205 with a grade of C– or higher, or consent of instructor. Exploration of social problems and issues in telecommunications. Topics vary. May be repeated with different topics for a maximum of 6 credit hours.

**TEL-S 451 Honors Seminar in Media and Society (3 cr.)** P: Consent of the departmental honors advisor. Topical seminar in media and society for telecommunications honors students. Topics vary. May be repeated with different topics for a maximum of 9 credit hours.

**TEL-T 471 Applying Theory to Media Design (3 cr.)** P: T205 with a grade of C– or higher, or consent of instructor. Basic media theories as well as cognitive, emotional, and social psychology, with a focus on how

these theories can be applied to the design of media messages. Special attention given to interactive and immersive mediated environments.

#### **Design and Production Area**

**TEL-T 206 Introduction to Design and Production (3 cr.) CASE A&H** Provides a conceptual framework for writing, designing, and evaluating a variety of media products. This is not a hands-on production course but does offer an overview of the production process. Topics include scriptwriting, production design, visualization, composition, editing styles, and others. This course is a prerequisite for advanced-level courses in the design/production area.

**TEL-T 211 Writing for Electronic Media (3 cr.)** Style, form, and preparation of written materials for electronic media.

**TEL-T 283 Introduction to Production Techniques and Practices (3 cr.)** P: T206 with a grade of C– or higher, or consent of instructor. Introductory hands-on production course which concentrates on the planning and production of video and related media. Specific units include TV studio, field shooting/linear tap editing, and digital video/nonlinear video editing. Content consists of applied activities within a conceptual framework. Lab fee required.

**TEL-T 284 Introduction to Interactive Media Design (3 cr.)** P: T206 with a grade of C– or higher, or consent of instructor. This course combines a practical hands-on introduction to interactive media design with presentation and storytelling concepts. A wide range of design technologies including html, JavaScript, and cascading style sheets will be considered. These tools and concepts will be used to create dynamic design products. Lab fee required.

**TEL-T 330 Production Management (3 cr.)** P: T206 and T283, both with a grade of C– or higher, or consent of instructor. The management of commercial and noncommercial telecommunications projects, including television and news media. Organizational, economic/business, and legal aspects of production management. Credit given for only one of T330 and T438.

**TEL-T 331 Scriptwriting (3 cr.)** P: T206 or T211 with a grade of C– or higher, or consent of instructor. Covers format, structure, and writing of dramatic and nondramatic scripts.

**TEL-T 351 Video Field and Post Production (3 cr.)** P: T206 and T283, each with a grade of C– or higher, and consent of instructor. Intermediate, hands-on production course that covers acquisition and post-production, including composition, continuity, sound, lighting and digital editing. Students will gain practical experience in the planning, shooting, and editing of video programs using both Avid and Final Cut Pro software. Lab fee required.

**TEL-T 353 Audio Production (3 cr.)** P: T206 and T283, each with a grade of C– or higher, and consent of instructor. Intermediate-level hands-on production course that concentrates on the planning and production of audio materials for radio, video, and interactive media. Topics include sound theory, recording, and editing. Includes analog and digital technologies. Lab fee required.

**TEL-T 354 Program Graphics and Animation (3 cr.)**

P: T206, and either T283 or T284, all with a grade of C– or higher, and consent of instructor. Intermediate, hands-on production course that teaches the technical skills and creative principles needed to create television graphics. Students will critique and design both still and animated imagery and build effective program graphics using Adobe Photoshop and related software. Lab fee required.

**TEL-T 356 TV Studio Production (3 cr.)** P: T206 and T283, each with a grade of C– or higher, and consent of instructor. Intermediate, hands-on production course that teaches TV studio production. Students will gain technical proficiency within the TV studio environment and learn directing and other high-level communication skills required to produce multi-camera studio projects. Lab fee required.**TEL-T 361 Games and Interactive Media (3 cr.)** P: T206 and T284, each with a grade of C– or higher, or consent of instructor. Focuses on the design, construction, critique and usability analysis of digital story, game, and communication environments. Develops interesting, compelling interactive environments using the latest versions of software and the programming languages that support them. Lab fee required.**TEL-T 364 Introduction to 3D Digital Modeling and Animation (3 cr.)** P: T206 and T284, each with a grade of C– or higher, or consent of instructor. Technical areas covered will be character and face animation and mechanical modeling such as buildings and vehicles. Specific topics covered will be modeling basics such as splines, lathing, surfaces, textures, constraints, bones, path animation, rendering, and compositing. There will also be a short historical overview of 3D modeling and effects in film and television. Lab fee required.**TEL-T 366 Multiplayer Game Design (3 cr.)** P: T206 with a grade of C– or higher, or consent of instructor. Focuses on massive multiplayer online games and virtual worlds. An introduction to the design elements and production requirements necessary to create and maintain online games, study various existing worlds, and lay the groundwork for creating new ones. Students will do hands-on work on a new virtual world.**TEL-T 367 Theory and Practice of Game Design (3 cr.)** Examines the historical and philosophical roots of play in culture as well as more current writings on game play and game design. Numerous games will be presented, played, and analyzed in class. Final project is a new game design.**TEL-T 369 Sound Design (3 cr.)** P: T283 or T284 with a grade of C– or higher, or consent of instructor. Develops basic sound design technique for linear and nonlinear media (video, animation, games, and interactive content). Explores basic concepts of sound in the context of audiovisual relationships through production and analysis. Develops media communication skills through the use of sound and image. Lab fee required.**TEL-T 431 Video Documentary (3 cr.)** P: T283 and one 300-level production course, each with a grade of C– or higher, and consent of instructor. Overview of historic and contemporary television documentaries. Analyzes how narratives describe individuals, cultures, and events. Examines the role of producer as historian, explorer, social activist, journalist, and entertainer. Covers the

development process in creating documentaries, including research, legal issues, story development, evaluation, and other preproduction activities.

**TEL-T 433 Advanced Projects in Web Design (3 cr.)**

P: T206 and T284, each with a grade of C– or higher, or consent of instructor. Project-based class focused on implementing the skills learned in the introductory classes and applying them to real-world problems. Design, implement, and test a significant website for a real client either individually or in groups. Lab fee required.

**TEL-T 435 Documentary Production (3 cr.)** P: T206 and T283, and either T351 or T354, all with a grade of C– or higher, and consent of instructor. Advanced, hands-on production class that produces nonfiction pieces, including broadcast documentaries and client-driven/community service videos. Lab fee required.**TEL-T 436 Advanced Production Workshop (1-3 cr.)**

P: T206, and either T283 or T284, and two 300-level production courses, all with a grade of C– or higher, and consent of instructor. A capstone course for those in production sequence. Students plan, direct, and produce programs or program segments that may air on WTIU, Indiana University's public television station. Lab fee required. May be repeated with different topics.

**TEL-T 437 WTIU Production Workshop (1-3 cr.)**

P: T283 with a grade of C– or higher, and consent of instructor. With close supervision by WTIU station or production management, student is responsible for preproduction planning, production coordination and execution, postproduction, critical and audience evaluation of programs for broadcast. Develop professional working relationships and portfolio. Lab fee required. May be repeated for a maximum of 6 credit hours.

**TEL-T 452 Topical Seminar in Design and Production (1-3 cr.)**

P: T206 with a grade of C– or higher, or consent of instructor. Exploration of design or production problems and issues in telecommunications. Topics vary. May be repeated with different topics.

**TEL-S 452 Honors Seminar in Design and Production (1-3 cr.)**

P: Consent of the departmental honors advisor. Topical seminar in design or production for telecommunications honors students. May be repeated with different topics.

**TEL-T 454 DVD Authoring (3 cr.)** P: T206, and either T283 or T284, and T354, all with a grade of C– or higher, and consent of instructor. Advanced, hands-on production course that teaches the technical skills and creative principles required to design and author DVDs. Students will edit digital video; encode audio and video; propose and script a DVD project; create graphics, menus, buttons; design and test navigation; and author and produce DVDs. Lab fee required. Credit given for only one of T454 and T358.**TEL-T 460 Projects in Game Design (1-3 cr.)**

P: Permission of faculty supervisor. Development and implementation of game design project under direction of faculty supervisor. May be repeated for a maximum of 3 credit hours.

**TEL-T 461 Advanced Games and Interactive Media (3 cr.)**

P: T361 with a grade of C– or higher, or consent of the instructor. Takes interactive multimedia design skills to

the next level. Focuses on advanced scripting technique and interactive media design, including the examination of new technologies, such as wireless devices. Students produce professional-quality projects ready for distribution. Lab fee required.

**TEL-T 464 Advanced 3D Digital Modeling and Animation (3 cr.)** P: T364 with a grade of C– or higher, or consent of instructor. Advanced 3D seminar. Topics vary and may include 3D modeling for games and interactive storytelling, 3D modeling for film and television, 3D modeling for the Web, 3D modeling and machinima, programming and scripting for dynamic effects in 3D environments, motion capture and 3D. Lab fee required. Credit given for only one of T464 and T365.

### **Industry and Management Area**

#### **TEL-T 207 Introduction to Telecommunications**

#### **Industry and Management (3 cr.) CASE S&H**

Introductory analysis, using a case-study method, of how telecommunications industries such as broadcasting, cable, and telephone are structured, funded, and regulated; how telecommunications organizations create and market programs and products, and how they manage their operations.

#### **TEL-T 242 Public Telecommunications (3 cr.) CASE**

**S&H** Analysis of the structure, organization, financing, and administration of the public broadcasting system in the United States, with particular emphasis on current issues, events, and trends in its evolutionary development.

#### **TEL-T 260 The Videogame Industry (3 cr.) CASE S&H**

Examines the marketplaces for games, and for game-related jobs. Students learn about the game production process, strategies for turning profits, and tips for finding good jobs in this rapidly growing industry.

#### **TEL-T 316 Media Ethics and Professional**

**Responsibility (3 cr.) CASE S&H** P: T205 or T207 with a grade of C– or higher, or consent of instructor. An analysis of the media environment, including organizational structure, corporate responsibility, and the role of the individual in the media environment. Formulation of ethical principles to guide media policy and practice.

#### **TEL-T 321 Policymaking in Telecommunications**

**(3 cr.) CASE S&H** P: T207 with a grade of C– or higher, or consent of instructor. Overview of basic U.S. law and government. Specific analysis of who makes U.S. telecommunications policy, how it is done, and its effects. Course includes a case study of recent policymaking that varies each semester.

#### **TEL-T 322 Telecommunications Networks (3 cr.)**

**CASE S&H** P: T207 with a grade of C– or higher, or consent of instructor. The evolution of telecommunication network technology, policy economics, and industries from the 1870s to the present. Basic telecommunication transmission and switching, general operational concepts, and societal and cultural effect of telephony in the United States.

**TEL-T 326 Network Design (3 cr.)** P: T207 with a grade of C– or higher, or consent of instructor. Basic concepts for developing an effective network system. The interaction between network technologies and human behavior.

**TEL-T 327 Data Communications (3 cr.)** P: T207 with a grade of C– or higher, or consent of instructor. An introduction to the basic concepts for understanding the integration of computers and telecommunications networks. The impact of environmental factors on the design of data networks.

#### **TEL-T 329 Cable/Broadband Communications (3 cr.)**

**CASE S&H** P: T207 with a grade of C– or higher, or consent of instructor. Technology, programming, economics, marketing, and regulation of cable television and other multichannel, broadband media delivery systems.

#### **TEL-T 340 Electronic Media Advertising (3 cr.)** P: T207

with a grade of C– or higher, or consent of instructor. Principles of Internet, network, national spot, and local radio and television advertising; roles of advertising agency, station representative, time buyer.

**TEL-T 343 Electronic Media Sales (3 cr.)** P: T207 with a grade of C– or higher, or consent of instructor. Techniques and skills used in selling advertising for television, radio, cable, and the Internet: researching prospective clients, knowledge and application of marketing models, developing an effective media mix to achieve market goals, preparing written and oral sales presentations.

#### **TEL-T 344 Programming Strategies (3 cr.)** P: T207

with a grade of C– or higher, or consent of instructor. Broadcast, cable, and satellite program evaluation, selection, and scheduling. Decision-making strategies in commercial television and radio at the network and local levels, commercial cable networks and systems, noncommercial outlets, and program syndication.

#### **TEL-T 347 Promotion and Marketing in**

**Telecommunications (3 cr.)** P: T207 with a grade of C– or higher, or consent of instructor. Theory and practice of designing, implementing, and evaluating promotional materials and marketing campaigns for television programs, radio formats, cable services, the Web, and new media.

#### **TEL-T 348 Audience Analysis (3 cr.) CASE S&H**

P: T207 with a grade of C– or higher, or consent of instructor. The behavior, descriptors, and measurement of telecommunications audiences. Sample survey, focus groups, and other research methods used by the telecommunications industry.

#### **TEL-T 413 Global Media Issues (3 cr.) CASE S&H**

P: T207 with a grade of C– or higher, or consent of instructor. Advanced study of media from a global perspective focusing on particulars, trends, or issues. Topics vary. May not be repeated for credit.

#### **TEL-T 421 Economics of Communications Industries**

**(3 cr.) CASE S&H** P: T207 with a grade of C– or higher, or consent of instructor. Analysis of market structure and behavior of firms and organizations in broadcasting, cable television, motion picture distribution, print media, common carrier, and other communications industries. Policy and strategy applications.

#### **TEL-T 422 Business Applications in**

**Telecommunications (3 cr.) CASE S&H** P: T207 with a grade of C– or higher, or consent of instructor. Topical seminar on social and business applications of telecommunications. Exploration of the potential

for delivering public and business services via the telecommunications network. May be repeated once with different topics for a maximum of 6 credit hours.

#### **TEL-T 425 Telecommunications Regulation (3 cr.)**

**CASE S&H** P: T207 with a grade of C– or higher, or consent of instructor. Regulation of broadcasting, cable, and common carriage. Examination of the telecommunications regulation system. Regulation of entry into telecommunications (licensing and franchising), renewal of licenses and franchises, and government control of business and economic relations among participants in the field.

#### **TEL-T 441 Advanced Advertising Strategies (3 cr.)**

P: T207 and T340, both with a grade of C– or higher, or consent of instructor. Analysis and evaluation of planning, creative, and placement components of advertising campaigns utilizing the electronic media; development of original advertising campaigns.

#### **TEL-T 446 Telecommunications Management (3 cr.)**

P: T207 with a grade of C– or higher, or consent of instructor. Study of the skill, processes, and attitudes required for effective management and leadership at all levels in telecommunications operations.

#### **TEL-T 453 Topical Seminar in Industry and**

**Management (1-3 cr.)** P: T207 with a grade of C– or higher, or consent of instructor. Exploration of management or strategic problems and issues in telecommunications. Topics vary. May be repeated with different topics for a maximum of 6 credit hours.

#### **TEL-S 453 Honors Seminar in Industry and**

**Management (3 cr.)** P: Consent of departmental honors advisor. Topical seminar in management or strategy for telecommunications honors students. May be repeated with different topics for a maximum of 9 credit hours.

#### **Non-Area Courses**

##### **TEL-T 480 Current Issues in Telecommunications**

**(3 cr.) CASE S&H** P: Senior status and telecommunications major. Discussion of current issues that cut across the three areas of concentration in the telecommunications major. Topics vary.

##### **TEL-T 495 New Media Certificate Project (3 cr.)**

P: Permission of faculty supervisor and director of undergraduate studies. Development and implementation of individual new media project under the direction of faculty supervisor. Required for Certificate in New Media and Interactive Storytelling.

##### **TEL-T 496 Foreign Study in Telecommunications**

**(1-3 cr.)** P: Consent of chairperson. Planning of a research project during year preceding a period of residence abroad. Time spent in research abroad must amount to at least one week for each credit hour granted. Research paper must be presented by the end of the semester following foreign study. May be repeated for a total of 3 credit hours, with permission.

##### **TEL-T 497 Telecommunications Field Experience**

**(1-3 cr.)** P: Junior or senior standing, major in telecommunications with a minimum of 12 credit hours completed, at least 6 of the credit hours completed in upper-division classes in the major, and advanced approval of the internship coordinator. Requires a critical analysis paper and evaluation of an internship/field project

by an industry sponsor. May be repeated for a total of 3 credit hours, with permission.

#### **TEL-T 498 Projects in Telecommunications (1-3 cr.)**

P: Advance approval of a project by a faculty supervisor and the director of undergraduate studies. Individual projects in an area of telecommunications. May be repeated up to a maximum of 3 credit hours.

#### **TEL-S 499 Reading for Honors (3 cr.)** P: Approval of

departmental honors advisor. Introduction to research methods for honors undergraduates.

#### **TEL-T 499 Independent Study for Honors (1-12 cr.)**

P: Approval of departmental honors advisor.

## **Theatre, Drama and Contemporary Dance**

#### **Introduction**

The Department of Theatre, Drama and Contemporary Dance (THTR) believes that theatrical productions and classroom study are of equal and complementary value. Courses in acting, directing, playwriting, dramatic literature, musical theatre, theatre history, design, technology and dance are all vital and interrelated aspects of Theatre, Drama and Contemporary Dance.

#### **Contact Information**

Department of Theatre, Drama and Contemporary Dance  
Indiana University

Lee Norvelle Theatre and Drama Center  
275 North Jordan Ave.  
Bloomington, IN 47405-1101

(812) 855-4535  
[theatre@indiana.edu](mailto:theatre@indiana.edu)

<http://www.indiana.edu/~thtr>

#### **Faculty**

##### **Chairperson**

- Professor Jonathan R. Michaelsen

##### **Associate Chairperson**

- Dale McFadden

##### **Professors**

- Dale McFadden
- Jonathan R. Michaelsen
- George Pinney
- Robert A. Shakespeare
- Ronald Wainscott

##### **Associate Professors**

- Amy Cook
- Ray Fellman
- Andrew Hopson
- Nancy Lipschultz
- Murray McGibbon
- Linda Pisano
- Elizabeth Limons Shea
- Fontaine Syer

##### **Assistant Professors**

- Paul Brunner

- Selene Carter
- Liza Gennaro
- Jennifer Goodlander
- Ken Weitzman

### **Professors of Practice**

- Terry LaBolt
- Heather Milam

### **Adjunct Faculty**

- Marlon M. Bailey (Gender Studies)
- Alison Calhoun (French and Italian)
- Vincent Liotta (Jacobs School of Music)
- Sylvia McNair (Jacobs School of Music)
- Angela Pao (Comparative Literature)
- Sue Swaney (Jacobs School of Music)
- Stephen Watt (English)
- Gustave Weltsek (School of Education)

### **Faculty Emeriti**

- Leon Brauner
- Bruce Burgun
- Winona Fletcher
- Roger W. Herzl
- Howard Jensen
- Marion Bankert Michael
- R. Keith Michael
- Wesley Peters
- Dennis J. Reardon
- Frank Silberstein
- Rakesh Solomon

### **Director of Undergraduate Studies**

- Dale McFadden

### **Academic Advising and Theatre Education**

- Kim Hinton, Theatre and Drama Center A250, (812) 855-4342

## **Major in Theatre and Drama**

### **Required Courses**

Students must complete 33 credit hours in Theatre, Drama and Contemporary Dance, including the following:

#### 1. Introductory Courses\*

- T100 Introduction to Theatre (3 cr.)
- T101 Script Analysis (3 cr.)
- T121 Acting I for Majors: Introduction to Acting (3 cr.)\*\*
- T125 Introduction to Theatrical Production (3 cr.)
- T334 Costume Design and Technology I (3 cr.)
- T335 Stage Lighting Design (3 cr.)
- T340 Directing I: Fundamentals of Directing (3 cr.)
- T370-T371 History of Theatre and Drama I-II (3-3 cr.)

\*Students are advised to take the courses in a building progression (i.e., T100 should be taken early in the progression of study). See the academic advisor for clarification.

\*\*T120 is accepted as a substitute for T121 by petition. Consult advisor for further clarification.

2. Six additional credit hours in one of the four following areas of concentration:

- Dramatic literature, theatre history, and dramatic theory: T460, T461, T462, T468
- Acting, directing, movement, and voice and speech: T220, T300, T301, T302, T311, T319, T325, T410, T419, T421, T422, T442, T443, T445, T448, T491
- Scenic design, stagecraft, lighting design, costume design, sound design, and stage management: T130, T229, T323 T326, T329, T347, T425, T426, T428, T430, T433, T434, T435, T438, T447
- Playwriting: T254, T454, T458

3. 18 of the 33 credit hours must be taken in 300- and 400-level courses.

The academic advisor will assign to the appropriate area of concentration any credits earned in theatre and drama courses T390, T399, T483, T490, and T499.

Students must also complete the degree requirements of the College of Arts and Sciences.

**Note:** Students pursuing the B.A. in Theatre may also pursue the Dance Minor; however, only one course may be applied to both credentials, for a total of no more than 42 hours total of Theatre, Drama and Contemporary Dance course work. Students should consult with the Theatre, Drama and Contemporary Dance advisor for more information about this combination.

### **Transfer Students**

Transfer students must complete a minimum of 18 credit hours in Theatre, Drama and Contemporary Dance in residence on the Bloomington campus. At least 6 credit hours must be taken in the student's area of concentration.

1. Students who have taken an acting course at another school and wish to take any course of the acting curriculum beyond T120 or T121 must audition for the acting faculty for placement before the beginning of classes in the fall semester. See the academic advisor for date and time.
2. All courses transferred from another institution or campus outside the State of Indiana College and University System must be evaluated through the Theatre, Drama and Contemporary Dance Advising Office before they may be applied toward the theatre and drama major or minor. Transfer students must submit bulletin descriptions and course syllabi for potential transfer credits during the first semester of study.

## **Major in Musical Theatre—B.F.A.**

### **Purpose**

This program is designed to train exceptional students who seek a professional career in musical theatre within the context of an outstanding liberal arts education offered by Indiana University. Admission to the B.F.A. program is by audition, typically prior to the beginning of the freshman year.

### **Required Courses**

Students must complete at least 91 credit hours in theatre, dance, and music:

1. 62 credit hours in Theatre, Drama and Contemporary Dance, to include:

- T100 Introduction to Theatre (3 cr.)
- T101 Script Analysis (3 cr.)

- T121 Acting I for Majors: Introduction to Acting (3 cr.)
- T125 Introduction to Theatrical Production (3 cr.)
- T220 Acting II: Scene Study (3 cr.)
- T300 Musical Theatre Workshop (3 cr., must be repeated to 12 cr.)
- T305 Voice for Musical Theatre (2 cr., must be taken every semester while in residence with a minimum of 8 cr. and a maximum of 16 cr.)
- T319 Acting III: Advanced Scene Study (3 cr.)
- T325 Voice and Speech (3 cr.)
- T334 Costume Design and Technology I (3 cr.)
- T335 Stage Lighting Design (3 cr.)
- T370-T371 History of Theatre and Drama I-II (3-3 cr.)
- T401 Musical Theatre Senior Showcase (1 cr.)

2. 18 credit hours in dance, including THTR-T 301-T302 Musical Theatre Dance Styles I-II (3-3 cr.) and an additional 12 credit hours from the following list, with the approval of the director of musical theatre:

*Ballet:*

- MUS-J 100 and higher, as appropriate.

*Tap Dance chosen from:*

- THTR-D 154 Beginning Tap Dance (1 cr.)
- THTR-D 254 Intermediate Tap Dance (1 cr.)
- THTR-D 354 Advanced Tap Dance (1 cr.)

*Jazz chosen from:*

- THTR-D 156 Introduction to Jazz Dance Technique (1 cr.)
- THTR-D 256 Intermediate Jazz Dance (1 cr.)
- THTR-D 456 Advanced Jazz Dance (2 cr.)
- MUS-J 210 Jazz Dance (1 cr.)

*Modern Dance chosen from:*

- THTR-D 155 Modern Dance (1 cr.)
- THTR-D 255 Modern Dance—Intermediate (1 cr.)
- THTR-D 355 Modern Dance I Advanced (1 cr.)
- THTR-T 202 Musical Theatre Dance Technique (2 cr.)
- THTR-T 410 Movement for the Theatre (3 cr.)

3. 11 credit hours in music, to include:

- MUS-Z 103 Special Topics in Music for Non-Majors; Approved topic: Sight-Singing, Theory, and Basic Piano for Musical Theatre (I) (3 cr.)
- MUS-Z 112 Introduction to Music Skills (3 cr.)
- MUS-Z 373 The American Musical (3 cr.)

*Cultural Studies in Music: 3 credit hours chosen from:*

- AAAD-A 110 African American Choral Ensemble (2 cr.)
- AAAD-A 112 Black Music of Two Worlds (3 cr.)
- AAAD-A 120 Soul Revue (2 cr.)
- AAAD-A 290 Sociocultural Perspectives of African American Music (3 cr.)
- AAAD-A 388 Motown (3 cr.)
- MUS-Z 393 History of Jazz (3 cr.)
- MUS-Z 394 Black Music in America (3 cr.)

- MUS-Z 395 Contemporary Jazz and Soul Music (3 cr.)
- MUS-Z 413 Latin American Popular Music (3 cr.)

4. THTR-T 203 IU Broadway Cabaret (0–1 cr.) required for first four semesters.

Students must also complete the B.A. degree requirements of the College of Arts and Sciences.

**Note:** Students pursuing the B.F.A. in Musical Theatre may also pursue the Dance Minor; however, only one course may be applied to both credentials. Students should consult with the Theatre, Drama and Contemporary Dance advisor for more information about this combination.

## Double Major Program

The requirements for a double major in the Department of Theatre, Drama and Contemporary Dance are the same as for a single major.

## Minor in Theatre and Drama

### Requirements

Students must complete a minimum of 18 credit hours in theatre and drama, including:

1. T100 and T101
2. A minimum of one course in each of these three areas:
  - Acting and directing: T120
  - Design and technology: T125, T326, T334, or T335
  - Theatre history and dramatic literature: T370, T371, T460, T461, T462, or T468
3. One additional course in one of the four areas of concentration listed in the major. Students are advised to take the courses in the minor in a building progression (i.e., T100 or T120 should be taken early in the progression of study).
4. At least 9 credit hours of course work must be completed at the 300–400 level.

Students are advised to plan their minor program of study in consultation with both their major and minor advisors.

The following is a list of courses recommended for theatre and drama minors:

1. Acting: T220, T319
2. Directing: T340
3. Movement: T311, T410
4. Playwriting: T254, T454, T458
5. Stagecraft: T125, T425, T435
6. Scene design: T326, T426
7. Costuming: T334, T430
8. Lighting: T335, T438
9. Sound design: T347, T447
10. Stage management: T229; T329 or T428
11. Dramatic literature: T460, T461, T462, T468
12. Theatre history: T370, T371
13. Voice and speech: T325

## B.F.A. in Dance

### Purpose

This program is designed to train exceptional students who seek a professional career in dance within the context

of an outstanding liberal arts education offered by Indiana University. Admission to the B.F.A. program is by audition, typically prior to the beginning of the freshman year.

### **Required Courses**

1. Students must complete the B.A. degree requirements of the College of Arts and Sciences and Indiana University's [General Education Requirements](#) for the Bloomington campus. These include:

- English composition: ENG-W 131 or equivalent (3 cr.).
- Mathematical modeling, MATH-M 118 or equivalent, counts as one CASE N&M (3 cr.).
- One Public Oral Communication (CASE POC) course, COLL-P 155 (3 cr.).
- One Intensive Writing course (3 cr.).
- Foreign language: second-year, second-semester proficiency, covers General Education's World Languages and Cultures requirement.
- Two culture studies courses: one CASE DUS course; one CASE GCC course (6 cr.).
- One Critical Approaches course: COLL-C 104 (CASE S&H) or COLL-C 105 (CASE N&M) are recommended. (3 cr.).
- Arts and Humanities (A&H): 4 courses—2 General Education A&H; 2 CASE A&H (12 cr.).
- Social and Historical Studies (S&H): 4 courses—2 General Education S&H; 2 CASE S&H (12 cr.).
- Natural and Mathematical Science (N&M): must include at least one Natural Science course in fulfillment of the General Education curriculum. At least 3 courses 1–2 General Education N&M; 2 CASE N&M (11–12 cr.).

2. Core Dance requirements:

- THTR-D 100 A Somatic Approach to Contemporary Ballet Practices (2 cr., repeat to 6 cr.)
- THTR-D 102 Body Conditioning for the Dancer (1 cr.)
- THTR-D 105 Foundations of Strength in Technique I (1 cr.; repeat to 2 cr.)
- THTR-D 109 Core of Dance Technique (3 cr.)
- THTR-D 112 Core of Dance Technique II (3 cr.)
- THTR-D 121 Techniques of Movement Improvisation (1 cr.)
- THTR-D 161 Foundations of Modern Dance (2 cr.)
- THTR-D 201 Modern Dance Workshop (1 cr., repeat to 3 cr.)
- THTR-D 211 Advanced Modern Dance Technique I (3 cr.)
- THTR-D 212 Advanced Modern Dance Technique II (3 cr.)
- THTR-D 221 Dance Composition I (2 cr.)
- THTR-D 222 Dance Composition II (2 cr.)
- THTR-D 241 Urban and Global Dance Styles (2 cr., repeat to 4 cr.)
- THTR-D 261 Indiana University Contemporary Dance Theatre (1 cr., repeat to 3 cr.)
- THTR-D 311 Theory and Practice of Dance Technique I (3 cr.)
- THTR-D 312 Theory and Practice of Dance Technique II (3 cr.)
- THTR-D 351 Teaching of Modern Dance (1 cr.)

- THTR-D 353 Musical Resources for Dance (2 cr.)
- THTR-D 411 Senior Seminar in Dance I (2 cr.)
- THTR-D 412 Senior Seminar in Dance II (2 cr.)
- THTR-D 421 Choreographic Performance Project (2 cr.)
- THTR-D 441 Dance Production I (2 cr.)
- THTR-D 461 Methods of Movement Analysis (1 cr.)
- THTR-D 462 Dance Summary (2 cr.)
- 3. Human Anatomy for Dance
  - ANAT-A 215 Basic Human Anatomy (5 cr.) **CASE N&M**
- 4. Professional Development in Dance—choose one of the following (3 cr.)
  - SPH-A 387 Management of Dance Injuries (3 cr.)
  - THTR-D 480 Advanced Choreographic Investigations (3 cr.)
  - THTR-D 497 Internship in Community Dance Partnerships (3 cr.)
  - THTR-D 483 Topics in Dance (Pilates/yoga certification) (1–3 cr.)
- 5. Dance in the Theatre—choose one of the following (3 cr.)
  - THTR-T 301 Musical Theatre Dance Styles I (3 cr.)
  - THTR-T 302 Musical Theatre Dance Styles II (3 cr.)
  - THTR-T 311 Introduction to Movement for the Theatre (3 cr.)
  - THTR-T 410 Movement for the Theatre (3 cr.)
- 6. Cultural Studies in Dance—choose one of the following (3 cr.)
  - AAAD-A 320 Black Dance History (3 cr.) **CASE A&H**
  - ANTH-E 460 The Arts in Anthropology (3 cr.) **CASE A&H**
  - ANTH-E 463 Anthropology of Dance (3 cr.) **CASE A&H**
  - ANTH-E 464 Body, Power, and Performance (3 cr.) **CASE A&H**

### **Minor in Dance**

Students must successfully complete 18 credit hours with a minimum 2.000 cumulative GPA in the minor. No course may be taken pass/fail.

**Please note:** Most dance courses below with the prefix THTR-D were previously administered by the School of Public Health (SPH), formerly the School of Physical Education and Recreation (HPER) and were listed under the same number with the prefix HPER-E. Exceptions are noted in parenthesis after the THTR-D course number.

#### **Required Core Courses (6 credit hours)**

- THTR-D 109 (HPER-D 111) Core of Dance Techniques I (3 cr., fall)
- THTR-D 231 (HPER-D 231) Introduction to Dance Studies (3 cr., spring)

#### **Social and Historical Dance and Theatre Studies (3 credit hours)**

Select one 3 credit course from the following:

- AAAD-A 320 Black Dance History (3 cr.)

- ANTH-E 463 Anthropology of Dance (3 cr.) **CASE A&H**
- THTR-D 332 (HPER-D 332) Twentieth Century Concert Dance (3 cr., fall)
- THTR-T 370 History of Theatre and Drama (3 cr.)
- THTR-T 371 History of Theatre and Drama II (3 cr.)

### Dance Techniques (6 credit hours)

At least 3 credit hours must be taken at the 300-400 level. Select 3 credit hours of modern dance from these courses:

- THTR-D 155 Beginning Modern Dance (1 cr.)
- THTR-D 255 Intermediate Modern Dance (1 cr.)
- THTR-D 355 Advanced Modern Dance (1 cr., may be repeated for a total of 3 cr.)
- Any advisor-approved, 3 credit modern dance technique class for dance majors (by audition and permission of instructor)

Select 3 additional credit hours of techniques from the following:

- AAAD-A 100 African American Dance Company (2 cr., by audition)
- AAAD-A 221 Dance in the African Diaspora (2 cr., fall)
- THTR-D 154 Beginning Tap Dance (1 cr.)
- THTR-D 156 Introduction to Jazz Dance Techniques (1 cr.)
- THTR-D 254 Intermediate Tap Dance (1 cr.)
- THTR-D 256 Intermediate Jazz Dance (1 cr.)
- THTR-D 354 Advanced Tap Dance (1 cr.)
- THTR-D 456 Advanced Jazz Dance (2 cr.)
- THTR-D 457 Jazz Repertory (1 cr.)
- MUS-J 100 Ballet Elective/Secondary (2 cr.)

### Dance Electives (3 credit hours)

Select 3 credit hours from the following courses:

- SPH-A 387 (HPER-A 387) Management of Dance Injuries (3 cr.)
- THTR-T 301 Musical Theatre Dance Styles (3 cr., by audition)
- THTR-T 302 Musical Theatre Dance Styles II (3 cr., by audition)
- THTR-D 353 (HPER-D 353) Musical Resources for Dance (2 cr.)
- THTR-D 441 (HPER-D 441) Dance Production (2 cr.)
- THTR-T 410 Movement for the Theatre (3 cr., P: THTR-T 120).
- THTR-D 461 (HPER-D 461) Methods of Movement Analysis (1 cr.)
- THTR-D 483 (no equivalent HPER- or SPH-prefix course) Topics in Dance (1-3 cr.)
- THTR-D 497 (no equivalent HPER course) Internship in Community Dance Partnerships (3 cr., permission of instructor)
- 1-3 credit hours of Dance Techniques at the 300-400 level, if not used to fulfill the Dance Technique requirement
- one course selected from Social and Historical Dance and Theatre Studies, if not used to fulfill the Social and Historical Dance and Theatre Studies requirement

- any advisor-approved Theatre course at the 300-400 level.

**Note:** Students pursuing the B.A. in Theatre may also pursue the Dance Minor; however, only one course may be applied to both credentials, for a total of no more than 42 hours of Theatre, Drama and Contemporary Dance course work. Students pursuing the B.F.A. in Musical Theatre may also pursue the Dance Minor; however, only one course may be applied to both credentials. Students considering either of these combinations should consult with the Theatre, Drama and Contemporary Dance advisor for more information.

## Secondary Teacher Certification

Students seeking certification as teachers may combine their professional training in the Department of Theatre, Drama and Contemporary Dance with the professional education requirements (secondary education) of the School of Education. Students should consult the bulletin of the School of Education for requirements of this combined program. For clarification, see advisors in both schools.

## Departmental Honors Program

Outstanding students with a minimum cumulative grade point average of 3.300 are eligible for admission to the honors program in theatre and drama at the end of their sophomore year. Minimum requirements for the honors degree are:

1. Cumulative GPA of 3.300.
2. 33 credit hours, to include 9 credit hours of honors course work in theatre and drama at the 300–400 level, 6 of which must be in T399-T499.
3. A senior project of a creative or research nature, which may be counted as part of the T499 requirements.

Application for admission and the student's program of courses must be approved by the department's honors committee.

## Policy on Auditing Theatre Courses

Ordinarily students may not audit performance or design and technology courses. With written permission of the instructor, students may audit courses in history, theory, or literature. The audit permission form is available as appropriate from the departmental academic advisor.

## Course Descriptions

### THTR-T 100 Introduction to Theatre (3 cr.) **CASE A&H**

Exploration of theatre as collaborative art. Investigation of the dynamics and creativity of theatre production through plays, theatrical space, and cultural context, with particular attention to the roles and interaction of the audience, playwrights, directors, actors, designers, producers, and critics.

### THTR-T 101 Script Analysis for the Theatre (3 cr.)

**CASE A&H** Close analysis and study of both traditional and nontraditional play texts in terms of structure, genre, style, character, themes, language, dramatic action, and dramatic event. Plays are examined from the point of view of the actor, director, designer, producer, critic, scholar,

and audience. Required of all theatre majors; should be taken in the freshman year.

**THTR-T 108 Great Performances in Film (3 cr.)**

**CASE A&H** In-depth examination of a single actor's performances in films spanning the course of his/her career. Includes methods of character creation as well as the history and theory of acting and performance.

**THTR-T 120 Acting I: Fundamentals of Acting (3 cr.)**

**CASE A&H** Introduction to theories and methodology through sensory awareness, physical and vocal exercises, improvisations, and scene study. Credit given for only one of T120 or T121.

**THTR-T 121 Acting I for Majors: Introduction to Acting (3 cr.) CASE A&H** P: Major in theatre and drama or departmental approval. An accelerated-level course.

Supplementary theories and methodology to expand the introduction to sensory awareness, physical and vocal exercises, improvisation, and scene study. Credit given for only one of T120 or T121.

**THTR-T 125 Introduction to Theatrical Production (3 cr.)**

Introduction to the methods, practices, and materials used in theatrical design and production. Focuses on stagecraft and theatrical design with introductions to lighting and costuming and an emphasis on scenic design.

**THTR-T 130 Stage Makeup Design (1 cr.)** Introduction to basic theories and skills in stage makeup. Survey covers corrective, period, basic prosthetics, and other effects used in performance.

**THTR-T 202 Musical Theatre Dance Technique (2 cr.)**

P: Permission of instructor. Blending ballet and jazz technique to strengthen musical theatre dance performance, the course will focus on specific problems that occur in musical theatre dance, including breathing for singing and dancing, character revelation, dramatic action in dancing, ensemble dancing, and selected styles. May be repeated for a maximum of 8 credit hours.

**THTR-T 203 IU Broadway Cabaret (0-1 cr.)**

P: Permission of instructor. Touring performance ensemble dedicated to the American Songbook and musical theatre literature. May be repeated for a maximum of 4 credit hours.

**THTR-T 220 Acting II: Scene Study (3 cr.)**

P: T120 or T121; recommendation of T120 or T121 instructor or audition. P or C: T101. Techniques for expressing physical, intellectual, and emotional objectives. Study, creation, and performance from varied dramas.

**THTR-T 229 Stage Management I (3 cr.)** P: T100, T101, and T125. Explores the role and function of the stage manager in theatrical production. Provides the basic skills to begin work in the field of stage management. Emphasis on organization, documentation, and dissemination of information.

**THTR-T 254 Introduction to Playwriting (3 cr.) CASE**

**A&H** P: T101 or permission of instructor. Introduction to the creative process and the fundamentals of playwriting, including structure, character creation, dialogue, conflict, dramatic action, and setting. Requires in-class exercises and the writing of several short plays. Credit given for only one of T254 or T453.

**THTR-T 278 Applied Theatre (3 cr.) CASE S&H**

Explores how aspects of drama, theatre, and performance practice and theory may be used within multiple aspects of society from the physical and mental health industry to business, science, and education.

**THTR-T 291 Design and Technology Projects in Theatre and Drama (1-3 cr.)** P: Approval of instructor.

Creation and development of individual student-related projects in design and technology culminating in a portfolio presentation. May be repeated for a maximum of 6 credit hours.

**THTR-T 300 Musical Theatre Workshop (3 cr.)**

P: Audition and permission of instructor; T101, T120 or T121, and T220. Focus on synthesizing acting, singing, and dancing into one performance technique. Emphasis will vary according to needs of students. May be repeated for a maximum of 12 credit hours.

**THTR-T 301 Musical Theatre Dance Styles I (3 cr.)**

P: Permission of instructor. Dance styles of the 1920s through the 1950s are explored and performed, including the works of choreographers Fred Astaire, Hermes Pan, Agnes DeMille, Jerome Robbins, and Gower Champion. May be repeated for a maximum of 12 credit hours.

**THTR-T 302 Musical Theatre Dance Styles II (3 cr.)**

P: Permission of instructor. A continuation of T301. Dance styles of the 1950s to the present are explored and performed, including the works of choreographers Bob Fosse, Michael Bennett, Bob Avian, and Susan Stroman. May be repeated for a maximum of 12 credit hours.

**THTR-T 304 Advanced Musical Theatre Dance Styles (3 cr.)**

P: Permission of instructor. Fast-paced instruction in advanced-level musical theater dance. A wide range of musical theater dance styles, advanced jazz, and repertoire from the rich canon of classic musicals as well as new interpretations of classic musical theater choreography are taught.

**THTR-T 305 Voice for Musical Theatre (2 cr.)** P: B.F.A.

major or permission of instructor. Private study of vocal performance focusing on the development of the vocal instrument for musical theatre repertoire. May be repeated for a maximum of 16 credit hours.

**THTR-T 306 Musical Theatre Workshop for non-B.F.A. Students (3 cr.)** P: T120 or T121; audition; and consent of instructor. The workshop explores performance techniques for musical theatre focusing on synthesizing acting, singing, and dancing into dramatic action and character revelation. Not open to B.F.A. Musical Theatre majors.

**THTR-T 307 Theatre Dance (3 cr.)** P: Permission of instructor. Designed to enhance classical ballet technique

in relation to musical theater dance. Classes include a ballet barre and center floor exercises while focusing on ballet-based musical theater dance vocabularies, including waltz, can-can and tarantella. Instruction on how to use movement to embody character and express narrative.

**THTR-T 311 Introduction to Movement for the Theatre (3 cr.)** P: THTR-T 120 or THTR-T 121. Drawing from

multiple movement modalities, this course provides a foundation of physical training designed to make students aware of the world around them, and of their bodies in space. The training will increase student

flexibility, strength and stamina through exercises and techniques designed to prepare artists for fully embodied performance.

**THTR-T 319 Acting III: Advanced Scene Study (3 cr.)**

P: T101; T220; T325; T311 or T410; T220 instructor recommendation or audition. Emphasis on ensemble acting, and study and performance of Ibsen, Chekhov, Strindberg and contemporary playwrights. Credit given for only one of T319 or T420.

**THTR-T 323 Costume and Character in London Theatre (3 cr.)**

P: Approval of the department. Overseas theatre studies in London. Experience theatrical character development through costume design. Survey social influences on costume and dress worn by characters through history including contemporary trends and dress. Field trips to such locations as Bath and Stratford.

**THTR-T 325 Voice and Speech (3 cr.)** P: T120 or T121. R: Sophomore standing. Introduction to voice production. Emphasizes relaxation, breathing, and the production of vocal sounds; deals with vocal habits and cultural holds through exercises and vocal workouts. Introduction to phonetics and practical work with text while freeing the voice and redeveloping a passion for language.

**THTR-T 326 Introduction to Scenic Design (3 cr.)**

P: T101 and T125, or permission of instructor. An entry-level studio course introducing the process of scene design, concept development, and the communication and presentation of theatrical ideas.

**THTR-T 329 Stage Management II (3 cr.)** P: T229. An examination of the organizational and logistical aspects of productions of musical events from the perspective of production and stage management. Examining case studies in musical theatre, ballet, modern dance, opera, and concerts, students gain insight into management strategies and develop critical thinking skills.

**THTR-T 334 Costume Design and Technology I (3 cr.)** P: T101. Introduction to the process of theatrical costume design and production. Through practical assignments in design and production, students develop an appreciation of costuming. Encourages students to engage and understand the theatre production process. Students see IU performances to observe and consider the costuming elements and their significance in the production. Credit given for only one of T334 or T230.

**THTR-T 335 Stage Lighting Design (3 cr.)**

P: Sophomore standing; T101 and T125; or permission of instructor. Introduction to the process of determining and implementing a lighting design. Analytical skills, concept development, design methods, lighting technology, and practical applications are covered. Lecture and laboratory.

**THTR-T 340 Directing I: Fundamentals of Directing (3 cr.)** P: T101, T120 or T121. R: T125, T230, T335.

Introduction to theories, process, and skills (text analysis, working with actors, staging, and telling a story), culminating in a final project.

**THTR-T 347 Introduction to Sound Design for the Theatre (3 cr.)** P: T101 and T125, or permission of instructor. Within the framework of theatrical environments, this course introduces the student to acoustic principles, audio equipment used in theatrical productions, psycho-acoustical considerations,

understanding sound signals and how to manipulate them, computer sound mixing systems, and sound design principles.

**THTR-T 359 Theatre Production Studio (1-3 cr.)**

P: T101; one of T125, T229, T230, T335; and permission of instructor. Intermediate, hands-on production course that teaches the theatre production process within a specific area focus. Students gain proficiency within a specific theatre production area and are engaged in a managerial role in an academic season production, including the development of production documentation. Students gain skills in communication, organization, and coordination. May be repeated in a specific area once (at a higher managerial level), and in multiple areas for a total of 3 credit hours.

**THTR-T 370 History of Theatre and Drama I (3 cr.)**

**CASE A&H, CASE GCC** Worldwide development of theatre and drama from beginnings to present. Study of theatre arts and culture institutions; focus on historical context for plays and performances; emphasis on research methods in theatre history. I: Beginnings to ca. 1700.

**THTR-T 371 History of Theatre and Drama II (3 cr.)**

**CASE A&H, CASE GCC** Worldwide development of theatre and drama from beginnings to present. Study of theatre arts and culture institutions; focus on historical context for plays and performances; emphasis on research methods in theatre history. II: ca. 1700 to present.

**THTR-T 378 Foundations for Teaching Theatre and Drama (3 cr.)** P: Approval of theatre education specialist. C: EDUC M303. The accumulation of a range of theatre production and teaching experiences through the building of a portfolio of experiences and resource materials.

**THTR-T 390 Creative Work in Summer Theatre (1-3 cr.)**

P: Consent of chairperson. Work in summer theatre productions. May be repeated for up to 6 credits.

**THTR-T 399 Reading, Research, Performance for Honors (1-12 cr.)** P: Approval of departmental honors advisor. May be repeated for a maximum of 12 credit hours.

**THTR-T 401 Musical Theatre Senior Showcase (1 cr.)**

P: Audition and permission of instructor. Introduction to business and marketing techniques for success in professional theatre. Specific instruction in the audition process culminating in performance for agents and casting directors.

**THTR-T 404 Stage Combat (3 cr.)** P: T311 or T410.

Complete basic training in the safety techniques of theatrical violence, based upon the accepted practices of associations such as the Society of American Fight Directors, and utilized in theatres around the country. Emphasis placed on acting the fight, storytelling, and historical styles of combat.

**THTR-T 409 Introduction to Draping (3 cr.)** P: T430 or

permission of instructor. Develops basic to intermediate costume draping skills and fabric manipulation to achieve the most desirable results. Promotes effective communication between the costume technician and costume designer. Examines costume sketches, research

and photos to enhance the ability to interpret and create accurate and acceptable costumes.

**THTR-T 410 Movement for the Theatre I (3 cr.)**

P: T121 or T120. Instruction in the physical actor training pioneered by Tadashi Suzuki, with influences in slow tempo, martial arts, and the Alexander Technique. Designed for holistic performer training and offering an in-depth study of observation and awareness, exploration of self, basic vocal production and resonance, and development of a dynamic stage presence.

**THTR-T 411 Movement for the Theatre II (3 cr.)**

P: T410. Advanced instruction in the physical actor training pioneered by Tadashi Suzuki, with influences in slow tempo, martial arts, and the Alexander Technique. Designed for holistic performer training, offering an advanced exploration of physical theatre, augmented by postural analysis and releasing work. Students begin building a bridge between training and performance.

**THTR-T 417 Rendering I (3 cr.)** P: Permission of instructor. An in-depth study into the rendering and communication of design choices for costuming. Special focus on communication of character, spirit and detail of a figure and its costume, and on drawing animated and evocative figures that clearly demonstrate a mastery of character development and expression. Strong introduction into the medium of watercolor.

**THTR-T 419 Acting IV: Acting Shakespeare (3 cr.)**

P: T319 or T420; T319 or T420 instructor recommendation or audition. Exploration of precepts of verse in Shakespeare. Emphasis on skills for heightened language, character development, circumstances, and performance. Continued development of the actor as a dramatic instrument. Credit given for only one of T419 or T320.

**THTR-T 421 Acting V: Acting Style I (3 cr.)** P: T419 or T320, recommendation of T419 or T320 instructor, and permission of T421 instructor. Techniques for performing comedy with an emphasis on verbal and other physical skills; introduction to period and style of plays from Aristophanes to Goldoni.

**THTR-T 422 Acting VI: Acting Style II (3 cr.)** P: T419 or T320; recommendation of T421 or T419 or T320 instructor, and permission of T422 instructor. Techniques for performing comedy with an emphasis on verbal and physical skills; introduction to period and style of plays from Sheridan to Coward.

**THTR-T 425 Introduction to Theatrical Drafting (3 cr.)** P: T125 and T326, or written permission of instructor. A studio course consisting of both traditional hand drafting techniques and digital CAD techniques as they are used in theatrical production communication.

**THTR-T 426 Fundamentals of Scenic Design (3 cr.)**

P: T326 or consent of instructor. A studio course in the theory, process, and techniques of scenic design for the theatre. Topics include principles, elements, and concepts of design; script analysis; design concept development; creative research and its interpretation; and the communication and presentation of theatrical ideas.

**THTR-T 428 Production Management (3 cr.)** P: T229 or consent of instructor. Examination of the role of production manager in theatrical productions. Emphasis on budgetary

and schedule planning and management. Application of human resource management theory also a significant component of the course.

**THTR-T 430 Costume Technology II (3 cr.)** P: T125 and T230, or permission of instructor. Further development of costume construction techniques for interested students who have satisfactorily completed T230. Provides a foundation of sewing, craft, fitting, and patternmaking techniques for use in developing a construction project and performing production assignments.

**THTR-T 432 Studies in Stage Management (3 cr.)**

P: Permission of instructor. An examination of the stage management requirement and regulations for non-standard production styles. Each year the topic varies and may include spectacle, theme park, festival, or other large scale entertainment. On site observation and experience is a key portion and requirement of the course. May be repeated with different topics for a maximum of 9 credit hours.

**THTR-T 433 Costume Design II (3 cr.)** P: Permission of instructor. Intensive study of costume design in mainstream theatre. Projects in collaborative aesthetics in design and practical application rendering techniques and visual communication. No laboratory/technology component.

**THTR-T 434 Historic Costumes for the Stage (3 cr.)**

P: Permission of instructor. Survey of historical costume in western civilization, ancient Mesopotamian cultures through the twentieth century. Taught from sociohistorical perspective and applied to performance theory.

**THTR-T 435 Electronics for Theatre (3 cr.)** P: Consent of instructor. Fundamentals of electricity and electronics as applied to theatre. Investigation of current technology for theatrical performance, including power distribution, control systems, and creative applications for lighting, sound, special effects, and mechanized scenery.

**THTR-T 437 Scene Painting I (3 cr.)** P: Permission of instructor. A studio course introducing techniques and equipment of theatrical scenic painting.

**THTR-T 438 Advanced Stage Lighting Design (3 cr.)**

P: T335. Stage lighting design—concept development, presentation, and implementation are emphasized, along with advanced lighting techniques and approaches. A practicum will be assigned.

**THTR-T 441 Acting for the Camera (3 cr.)** P: T101, T319, T325, T410. Audition required. An exploration of the fundamentals of acting for the camera, designed to develop students' on-camera acting skills.

**THTR-T 442 Directing II: Advanced Directing (3 cr.)**

P: T340 or permission of instructor. Theory and practice from play selection to performance. Emphasis on rehearsals and performance of varied dramatic material.

**THTR-T 443 Directing III: Directing Style (3 cr.)** P: T442. Emphasis on analysis, interpretation, rehearsal, and presentation of plays from a range of styles and periods.

**THTR-T 445 Voice and Dialects (3 cr.)** P: T325.

Investigation of dialects as a distinctive form of pronunciation, language, structure, and vocabulary identified with a geographical area or social class as it applies to the requirements of theatrical clarity and

dramatic interpretation. Working with varied texts using points of resonance, vocal focus, and rhythm to unlock the actors' expressive tools.

**THTR-T 447 Sound Design I (3 cr.)** P: T347 or consent of instructor. Focuses on theatrical design concept development and implementation. Students are exposed to various design challenges and processes for sound design in a range of production styles and approaches.

**THTR-T 448 Voice in Performance (3 cr.)** P: T325 and permission of instructor. A voice class for the performing artist employing the techniques of artists such as Patsy Rodenburg, Cicely Berry, and Kirsten Linklater. Exploration of the life and muscularity of varied texts. Opening the voice to match the music of what one is saying while learning to identify and respect the writer's intentions through voice and language.

**THTR-T 451 Stage Rigging I (2 cr.)** P: T125 or permission of instructor. Survey of structural engineering terminology and methods as applicable to common rigging practice in the theatre and entertainment industry.

**THTR-T 452 Stage Rigging II (2 cr.)** P: T451. Hands-on course designed to familiarize students with the operation and maintenance of typical rigging equipment. Class work includes counterweight system operations, pin-rail operations, rope and knot basics, wire-rope basics, chain hoist basics, and arena-type rigging basics.

**THTR-T 454 Playwriting Workshop (3 cr.)** P: T254 or permission of instructor. Consideration of dramaturgical antecedents and practical and theoretical problems. Creation of a full-length play. Prior playwriting experience helpful, but not required.

**THTR-T 458 Screenwriting (3 cr.)** Structural analyses of cinematic models, culminating in the creation of an original full-length narrative screenplay.

**THTR-T 461 Development of Dramatic Art II (3 cr.)** **CASE A&H, CASE GCC** Dramatic art in the Western world from beginnings to the present. Study of dramatic genres, plays in productions, and theatrical approaches to plays of the past. II: Late Renaissance to Modern Drama.

**THTR-T 462 Development of Dramatic Art III (3 cr.)** **CASE A&H** Dramatic art in the Western world from beginnings to the present. Study of dramatic genres, plays in productions, and theatrical approaches to plays of the past. III: Modern and Contemporary Drama.

**THTR-T 464 ProTools for Theatre and Music (3 cr.)** P: One course from T347, T447, or MUS A100. An introduction to the recording software ProTools for use in theatre sound design and music production.

**THTR-T 465 Understructures for Historical Garments (3 cr.)** P: T430. Study of various understructures of dress from 1500–1900, including materials and techniques of construction. Final project requires the creation of an ensemble of understructures from a specific piece of research.

**THTR-T 466 Period Patternmaking and Construction (3 cr.)** P: T430. Study of various patternmaking techniques and shapes of women's garments from 1500–1920. Final project requires the creation of an ensemble based on specific research.

**THTR-T 468 Asian Performance (3 cr.) CASE A&H, CASE GCC** in-depth study of the major forms and styles of traditional and contemporary theatre, dance, and puppet performances from around Asia (broadly defined).

**THTR-T 478 Methods and Materials for Teaching High School Theatre and Drama (3 cr.)** P: T378. Methods, techniques, content, and materials applicable to the teaching of theatre and drama in secondary, middle, and junior high schools.

**THTR-T 481 Introduction to Stage Properties (3 cr.)** P: T125. Covers the basics of running a properties shop. Students will learn script analysis for props; making lists; communication with stage management, designers, and technical personnel; budget breakdowns; and using local resources for the build/buy/borrow/pull process of properties production.

**THTR-T 483 Topics in Theatre and Drama (1-3 cr.)** Studies in special topics not ordinarily covered in other departmental courses. May be repeated once for credit if topic differs.

**THTR-T 490 Independent Study in Theatre and Drama (1-6 cr.)** P: 12 credit hours in theatre and drama, departmental grade point average of 3.00 or above, consent of instructor. Readings, performances, experiments, and reports in area of student's special interest. May be repeated for a maximum of 6 credits.

**THTR-T 491 Working in the Profession (3 cr.)** P: T319. Preparation for a professional theatre career. Topics include auditions, managers, unions, finances, regional theatre, professional courtesy, and realities of the work environment.

**THTR-T 499 Reading, Research, Performance for Honors (1-12 cr.)** P: Approval of departmental honors advisor.

#### Courses in Dance

**THTR-D 100 A Somatic Approach to Contemporary Ballet Practices (2 cr.)** Focuses on anatomically based ballet technique, with respect for individual physical differences. Emphasizes classical ballet vocabulary, along with sound alignment, deep muscular core support, and efficient movement mechanics. Explores contemporary trends in ballet performance and choreography. May be repeated for a maximum total of 16 credit hours in THTR-D 100 and HPER-D 100.

**THTR-D 102 Body Conditioning for the Dancer (1 cr.)** Introduces supplemental training programs for enhancement of dance performance. Includes basic and advanced dance conditioning, injury prevention, healthy weight management, assessment procedures, and basic wellness. Credit given for only one of THTR-D 102 or HPER-D 102.

**THTR-D 105 Foundations of Strength in Technique I (1 cr.)** Provides the student seeking a career in dance performance with the opportunity to augment training with foundational strength techniques common to all concert dance practices while incorporating current trends in fitness. Concert dance exercises and technique performed at the barre and somatic practices are combined to produce strength, flexibility and skill sets specific to

preparation for professional dance. May be repeated for a maximum of 4 credit hours.

**THTR-D 109 Core of Dance Technique (3 cr.)**

Introduction to concert dance techniques, as well as stretching and strengthening skills to prepare for those techniques. Practice with emphasis on dance vocabulary and theory. Credit given for only one of THTR-D 109 or HPER-D 111.

**THTR-D 112 Core of Dance Techniques II (3 cr.)**

P: THTR-D 109 or HPER-D 111. Continued introduction to concert dance techniques, as well as strengthening skills to prepare for those techniques. Practice with emphasis on dance vocabulary and theory. Credit given for only one of THTR-D 112 or HPER-D 112.

**THTR-D 121 Techniques of Movement Improvisation (1 cr.)**

Experiences in creative movement expression through participation in structured dance activities. Credit given for only one of THTR-D 121 or HPER-D 121.

**THTR-D 154 Beginning Tap Dance (1 cr.)**

An introduction to the technique and styles of tap dancing, emphasizing rhythmic accuracy and efficiency of movement. Course will include history and appreciation of tap dance. Credit given for only one of THTR-D 154 or HPER-E 154.

**THTR-D 155 Beginning Modern Dance (1 cr.)**

Beginning instruction in modern dance technique, stressing knowledge and application of movement principles essential to dance training. Credit given for a maximum total of 3 credit hours in THTR-D 155 or HPER-E 155.

**THTR-D 156 Introduction to Jazz Dance Technique (1 cr.)**

An introduction to the modern jazz style of movement as it integrates with sound biomechanical principles. Phrasing, dynamics, and other qualities will be discussed. Credit given for only one of THTR-D 156 or HPER-E 156.

**THTR-D 161 Foundations of Modern Dance (2 cr.)**

P: THTR-D 121 or HPER-D 121. A survey of modern dance in contemporary society. Explores theories, philosophies, trends, and schools of thought through lecture, discussion, and movement. Emphasizes improvisational approaches. Credit given for only one of THTR-D 161 or HPER-D 161.

**THTR-D 200 Dance for Special Populations (1 cr.)**

P: THTR-D 121 or HPER-D 121. Includes a service-learning component. Prepares students to teach dance in educational and community settings, including schools (K-12), clinical, and community recreational centers. Activities are designed for elementary and special populations. Credit given for only one of THTR-D 200 or HPER-D 200.

**THTR-D 201 Modern Dance Workshop I (1 cr.)**

A wide variety of movement experiences in technique, movement analysis, movement correctives, and social dance forms. May be repeated for a maximum total of 4 credit hours in THTR-D 201 and HPER-D 201.

**THTR-D 211 Advanced Modern Dance Technique**

**I (3 cr.)** P: THTR-D 112 or HPER-D 112. Designed to allow the student to develop a higher level of technical proficiency, with an emphasis on the application and analysis of various movement principles as they relate

to dance and performance. Credit given for only one of THTR-D 211 or HPER-D 211.

**THTR-D 212 Advanced Modern Dance Technique II (3 cr.)**

P: THTR-D 211 or HPER-D 211. An extension of principles examined in THTR-D 211 with an emphasis on style and performance, through the use of longer and more complex movement sequences. Credit given for only one of THTR-D 212 or HPER-D 212.

**THTR-D 221 Dance Composition I (2 cr.)**

P: THTR-D 161 or HPER-D 161. Dance composition is an introduction to the craft of choreography. Students explore basic rhythmic, spatial, and dynamic materials through group improvisation and individual studies. Credit given for only one of THTR-D 221 or HPER-D 221.

**THTR-D 222 Dance Composition II (2 cr.)**

P: THTR-D 221 or HPER-D 221. Elements for forming and structuring movement into complete dances. Credit given for only one of THTR-D 222 or HPER-D 222.

**THTR-D 231 Introduction to Dance Studies (3 cr.)**

**CASE A&H, CASE GCC** Establishes literacy in dance as an art-form. Using a global perspective, students explore the elements of dance and how they manifest in culture from social settings to the concert stage. The roles of dancer, choreographer and spectator are studied in multiple contexts of the discipline of theatrical, social and cultural dancing. Credit given for only one of THTR-D 231 or HPER-D 231.

**THTR-D 241 Urban and Global Dance Styles (2 cr.)**

P: D109 or HPER-D 111. A foundation in contemporary global and urban styles of dance that are interwoven and fused within professional contemporary dance such as hip-hop, krump, Israeli ga ga style, and others. Prepares pre-professional dancers to be well versed physically and intellectually in current contemporary, global dance styles. May be repeated for a maximum of 4 credit hours.

**THTR-D 254 Intermediate Tap Dance (1 cr.)**

P: THTR-D 154 or HPER-E 154, or consent of instructor. Second-level course in the technique and styles of tap dance and the use of tap dance steps to create original choreography. Development of tap dance as a musical and visual art form. Credit given for only one of THTR-D 254 or HPER-E 254.

**THTR-D 255 Intermediate Modern Dance (1 cr.)**

P: THTR-D 155 or HPER-E 155, or consent of instructor. Intermediate modern dance technique, stressing knowledge and application of movement principles essential to dance training. May be repeated for a total maximum of 3 credit hours in THTR-D 255 or HPER-E 255.

**THTR-D 256 Intermediate Jazz Dance (1 cr.)**

P: THTR-D 156 or HPER-E 156, or consent of instructor. A continuation of instruction in the modern jazz style of movement. Special emphasis on movement efficiency, precision, and clarity. Credit given for only one of THTR-D 256 or HPER-E 256.

**THTR-D 261 Indiana University Contemporary Dance**

**Theatre (1 cr.)** A modern dance repertory company. May be repeated for a maximum total of 4 credit hours in THTR-D 261 and HPER-D 261.

**THTR-D 311 Theory and Practice of Dance Technique I (3 cr.)** P: THTR-D 212 or HPER-D 212. Designed as an intensive immersion in both theory and practice of dance technique. Through readings, discussions, writings, and experiential learning, students gain an intimate understanding of both the artistic and physiological principles that guide performance in modern dance. Credit given for only one of THTR-D 311 or HPER-D 311.

**THTR-D 312 Theory and Practice of Dance Techniques II (3 cr.)** P: THTR-D 311 or HPER-D 311. Continuing intensive immersion course in both the theory and practice of dance techniques. Through readings, discussion, writings, and experiential learning, students gain an intimate understanding of both the artistic and physiological principles that guide performance in modern dance. Credit given for only one of THTR-D 312 or HPER-D 312.

**THTR-D 332 Twentieth-Century Concert Dance (3 cr.)**  
**CASE DUS** Survey of Twentieth-Century concert dance history. Credit given for only one of THTR-D 332 or HPER-D 332.

**THTR-D 351 Teaching of Modern Dance (1 cr.)**  
P: THTR-D 211 or HPER-D 211. Study of various approaches, methods, and materials for teaching concert dance on the secondary level, including procedures for evaluation. Credit given for only one of THTR-D 351 or HPER-D 351.

**THTR-D 353 Musical Resources for Dance (2 cr.)**  
Presentation of criteria for selection of music for dance accompaniment. Aural evaluation of various musical styles, with emphasis on their adaptability as dance accompaniment. Visual-aural analysis of musically accompanied choreography. Credit given for only one of THTR-D 353 or HPER-D 353.

**THTR-D 354 Advanced Tap Dance (1 cr.)** P: D254 or HPER-E 254, or consent of instructor. For students who have taken intermediate tap and want to continue learning the art of rhythm tap. Others with a solid foundation in tap are also welcome. Explores more complex rhythmic patterns and skills through routines, challenges, and improvisation. Students will be required to present routines of their own at the end of the semester. May be repeated for a maximum of 2 credit hours for any combination of THTR-D 354 and HPER-E 354.

**THTR-D 355 Advanced Modern Dance (1 cr.)**  
P: THTR-D 255 or HPER-E 255, or consent of instructor. Advanced techniques in modern dance with emphasis on performance of movement patterns and individual creative work. May be repeated for a total maximum of 3 credit hours in D355 or HPER-E 355.

**THTR-D 411 Senior Seminar in Dance I (2 cr.)**  
P: THTR-D 312 or HPER-D 312. Instructor-guided practicum in current issues regarding contemporary dance technique and trends in performance. Provides a practical culminating experience for senior dance majors as they prepare to enter the professional world. Credit given for only one of THTR-D 411 or HPER-D 411.

**THTR-D 412 Senior Seminar in Dance II (2 cr.)**  
P: THTR-D 411 or HPER-D 411. Instructor guided practicum in current issues regarding contemporary dance technique and trends in dance performance. Provides a

culminating experience for senior dance majors as they enter the professional world. Credit given for only one of THTR-D 412 or HPER-D 412.

**THTR-D 421 Choreographic Performance Project (2 cr.)** P: THTR-D 222 or HPER-D 222. Under faculty guidance, each student is responsible for initiating and developing a completed work for concert performance. Credit given for only one of THTR-D 421 or HPER-D 421.

**THTR-D 441 Dance Production I (2 cr.)** Basic orientation to technical theatre, specifically for dance. Credit given for only one of THTR-D 441 or HPER-D 441.

**THTR-D 456 Advanced Jazz Dance (2 cr.)** P: THTR-D 256 or HPER-E 256, or consent of instructor. Further instruction in the modern jazz style of movement with special emphasis on precision, clarity, and performance style. Students should be able to demonstrate an understanding of alignment and a mastery of advanced jazz-level combinations; advanced and improved movement memory, clarity, precision, and musicality; and show stylistic differences through the performance of movement combinations. May be repeated for a maximum of 4 credits in THTR-D 456 or HPER-E 456.

**THTR-D 457 Jazz Dance Repertory (1 cr.)** P: THTR-D 256 or HPER-E 256, or consent of instructor. Provides students an opportunity to learn original choreography from dance faculty members, and collaborate in the creation of original choreography in a classroom environment. Students experience the choreographic process firsthand, as well as build on technical, performance, and learning skills. Credit given for only one of THTR-D 457 or HPER-E 457.

**THTR-D 461 Methods of Movement Analysis (1 cr.)**  
P: Consent of instructor. Methods of analyzing movement in dance. Credit given for only one of THTR-D 461 or HPER-D 461.

**THTR-D 462 Dance Summary (2 cr.)** P: Open to senior dance majors only. Explores current issues and trends in dance performance and education through discussion and practicum. Credit given for only one of THTR-D 462 or HPER-D 462.

**THTR-D 480 Advanced Choreographic Investigations (3 cr.)** P: THTR-D 222 or HPER-D 222. Provides the dedicated and advanced choreography student with an opportunity to create their own choreography, utilizing the principles of dance composition and incorporating personal insights and ideas into the works. The resultant product will be informed by contemporary and cutting-edge practices within the field. Each student works individually with a faculty mentor.

**THTR-D 483 Topics in Dance (1-3 cr.)** Studies in special topics not ordinarily covered in other departmental dance courses. May be repeated once for credit if topic differs.

**THTR-D 497 Internship in Community Dance Partnerships (3 cr.)** P: THTR-D 200 or HPER-D 200. Dance majors will design, implement and teach a dance education program for community partners in local social service settings that promote well-being and dance appreciation through personal, and physical creative expression.

## Related Courses

In addition to the 33 credit hours of required courses that must be taken in the Department of Theatre, Drama and Modern Dance, one or more of the following courses may complement the major in Theatre and Drama:

### African American and African Diaspora Studies

- AAAD-A 384 Blacks in American Drama and Theatre, 1945–Present (3 cr.) **CASE A&H, CASE DUS**
- AAAD-A 385 Seminar in Black Theatre (3 cr.) **CASE A&H, CASE DUS**

### Comparative Literature

- CMLT-C 311 Drama (3 cr.) **CASE A&H**

### English

- ENG-L 203 Introduction to Drama (3 cr.) **CASE A&H**
- ENG-L 220 Introduction to Shakespeare (3 cr.) **CASE A&H**
- ENG-L 308 Elizabethan and Seventeenth-Century Drama (3 cr.) **CASE A&H**
- ENG-L 313 Early Plays of Shakespeare (3 cr.) **CASE A&H**
- ENG-L 314 Late Plays of Shakespeare (3 cr.) **CASE A&H**
- ENG-L 363 American Drama (3 cr.) **CASE A&H**
- ENG-L 365 Modern Drama: Continental (3 cr.) **CASE A&H**
- ENG-L 366 Modern Drama: English, Irish, American, and Post-Colonial (3 cr.) **CASE A&H**

## Distinctions & Opportunities

### Available Opportunities

In addition to completing the requirements for the degree, the College actively encourages its students to explore their interests and develop new skills by taking full advantage of the many opportunities available on the Bloomington campus. Each fall semester the College sponsors the Themester—a thematic program of courses, lectures, performances and other events that highlight an issue or theme best explored and illuminated by the multiple perspectives that a liberal arts education provides. Each semester, the College celebrates the exceptional academic performance of its students through a number of programs listed under "Distinctions." A variety of innovative curricular and co-curricular initiatives are listed under "Academic Opportunities." Career development services and courses are described under "Arts and Sciences Career Services (ASCS)." "Opportunities Outside the College" lists a number of academic credentials and experiences that can supplement a student's primary program of study in the College.

## Academic Distinctions

### Executive Dean's List

Each regular semester (excluding summer sessions), the College of Arts and Sciences recognizes those students whose semester GPA qualifies them for the Executive Dean's List. Students who qualify will be notified of this honor. Eligibility requirements include completion of at least 12 graded credit hours in each semester under review, and earning a minimum of a 3.700 semester GPA.

## Degrees Awarded with Distinction

The College recognizes outstanding performance in course work by awarding bachelor's degrees with three levels of distinction: Distinction, High Distinction, and Highest Distinction. Minimum grade point averages are 3.900 for Highest Distinction, 3.800 for High Distinction, and 3.700 for Distinction. Students must have completed at least 60 graded credit hours at Indiana University to be considered for degrees with distinction.

## Departmental Honors Programs

Most departments in the College of Arts and Sciences offer honors programs for outstanding students who have the opportunity to take advanced seminars as well as pursue independent study and research. Honors programs vary among departments; they may include comprehensive exams, theses, research projects, and creative endeavors.

Honors programs may require:

1. Participation in some phase of honors course work (seminars, tutorials, and courses of independent study) each semester of the last two years.
2. An independent project of research, study, or creative achievement, culminating in a paper, laboratory problem, field research problem, or creative effort. Students wishing to earn honors in two different departments must complete a distinct body of work for each honors notation.
3. A comprehensive examination, given in the last semester of the senior year, covering the work of the concentration group. It may be oral, written, or both, as the department desires. One faculty member outside the student's major field is always asked to participate.

Students must have a minimum College GPA of 3.300 and the approval of the department chairperson or departmental honors committee for admission, and they must maintain this minimum average to graduate with honors. A potential candidate for honors should consult as soon as possible with the departmental honors advisor or the chairperson of the department about requirements. Students wishing to earn honors in two different departments must complete a distinct body of work for each honors notation.

Honors work is often done under the course numbers 399 for juniors and 499 for seniors. The number of credit hours earned under these two course numbers is determined by the departmental honors committee, but it normally should not exceed a maximum total of 15 credit hours.

## Hutton Honors College

The Edward L. Hutton Honors College presents challenging and rewarding educational opportunities to high-achieving students. Each semester the Hutton Honors College sponsors a variety of honors experiences for qualified students. In addition to special sections of traditional departmental courses, the Hutton Honors College offers its own innovative seminars. Specially chosen honors advisors assist students with course planning and help incorporate honors opportunities into advisees' undergraduate experiences. Students in the Hutton Honors College are not required to enroll in specific courses, although those matriculating in the Fall

Semester of 2010 and thereafter must complete at least two approved honors courses by the end of their sixth semester. In addition to the two required courses, students have the option of earning a General Honors Notation through the Hutton Honors College and/or an honors degree through their major department or school. Students should contact the Hutton Honors College, 811 East Seventh Street, (812) 855-3555, for further information.

### **Recognition in General Honors**

Hutton Honors College students may pursue departmental honors programs in the College of Arts and Sciences (and in several of Indiana University's professional schools); they may also, if they choose, earn a General Honors Notation on their official transcript and diploma. In order to earn this designation, students must successfully complete the following general requirements of the Hutton Honors College and be in good standing;

1. Complete, with a minimum grade point average of 3.400, a general honors curriculum consisting of a minimum of 21 credit hours of honors courses approved by the Hutton Honors College, including at least two 3-credit Hutton Honors College courses with the HON-H prefix.
2. Achieve a minimum cumulative grade point average of 3.400 at graduation.

### **Honors Seminars and Special Sections**

Honors seminars provide a small-class experience in which students and faculty members explore how scholars and practitioners frame questions, use strategies and methods to uncover answers, and assess the validity of competing approaches. More advanced seminars offer opportunities for study and research on specialized topics. Many departments reserve special sections or seminars —such as Principles of Chemistry and Biochemistry I, Honors (CHEM-S 117), Introduction to Microeconomics and Macroeconomics: Honors (ECON-S 201-S 202), and General Psychology, Honors (PSY-P 106)—for Hutton Honors College students and for other students with superior scholastic records. The Hutton Honors College faculty also teach honors seminars in their home academic units.

### **Honors Tutorial (HON-H 299)**

Honors tutorials are individually arranged programs of directed reading and research. Students who wish to engage in intensive study growing out of an undergraduate seminar or to pursue a clearly defined research interest may enroll in HON-H 299 for 1–3 credit hours under the direction of a faculty sponsor. Applications for a tutorial, accompanied by the recommendation of the prospective faculty sponsor, should be submitted to the dean of the Hutton Honors College for approval before the semester in which the project is to be undertaken.

### **Support for Students**

Juniors and seniors may be eligible for funds in support of academic research, creative activity, international experiences, capstone projects, or professional experience internships during the regular academic year or the summer. Funds are also available to sophomores, juniors, and seniors for international experiences. These resources are designed to meet expenses not normally anticipated in planning an undergraduate program and may be used to support various needs. Applications are normally submitted during the spring semester both for

summer funds and funds for the following fall, and during the fall semester for the following spring semester.

Internship support is also available for students who wish to engage in an undergraduate teaching program or an equivalent pedagogical experience in their major area of study. These resources are meant to support a close faculty-student relationship in which the student is treated as a junior colleague.

Finally, seniors in departmental honors programs who are writing honors theses may also apply for thesis support funds.

Please see <http://www.indiana.edu/~iubhonor/hds/granthd.php> for additional information about these resources.

### **Course Descriptions for Hutton Honors College Courses (HON)**

#### **HON-H 200 Interdepartmental Colloquia (1-3 cr.)**

P: Consent of Hutton Honors College. Honors seminar. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

#### **HON-H 211 Ideas and Experience I (3 cr.) CASE A&H**

P: Completion of the English composition requirement and consent of Hutton Honors College. Honors seminar focused on the intellectual heritage of the West. Acquaints students with great works from different historical periods, cultural settings, and disciplines. Selected works by writers such as Homer, Plato, Virgil, Augustine, Dante, Boccaccio, Machiavelli, Descartes, Voltaire, and Galileo will be read.

#### **HON-H 212 Ideas and Experience II (3 cr.) CASE S&H**

P: Completion of the English composition requirement and consent of Hutton Honors College. Honors seminar focused on the sources of modern thinking in the works of authors such as Rousseau, Kant, Goethe, Wordsworth, Stendhal, Darwin, Marx, Dickens, Dostoyevsky, Nietzsche, Freud, Weber, Veblen, Einstein, Kafka, Sartre, and Camus.

#### **HON-H 213 Madness and Melancholy (3 cr.) CASE A&H**

**A&H** Includes some contemporary discussions of how depression and other mental disorders are treated and defined; the majority of the reading consists of literary, medical, and philosophical accounts of madness and melancholy written from the classical period to the early seventeenth century.

#### **HON-H 226 Interdepartmental Colloquia (3 cr.) CASE A&H**

P: Consent of Hutton Honors College. Honors seminar focusing on topics in arts and humanities. Does not fulfill the CASE Critical Approaches to the Arts and Sciences requirement.

#### **HON-H 228 Interdepartmental Colloquia (3 cr.) CASE S&H**

P: Consent of Hutton Honors College. Honors seminar focusing on topics in social and historical studies. Does not fulfill the CASE Critical Approaches to the Arts and Sciences requirement.

#### **HON-H 230 Interdepartmental Colloquia (3 cr.) CASE N&M**

P: Consent of Hutton Honors College. Honors seminar focusing on topics in natural and mathematical sciences. Does not fulfill the CASE Critical Approaches to the Arts and Sciences requirement.

**HON-H 232 Meaningful Writing (3 cr.) CASE A&H** To become skillful at writing, students need to read and appreciate definitively good works of prose (whether fiction or nonfiction) and/or of poetry. Classic works of prose and poetry are analyzed to improve students' own writing skills. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 233 Great Authors, Composers, and Artists (3 cr.) CASE A&H** It has been suggested that a broad, liberal education begins with exposure to classic works of literature, music, and art. This course examines classic works of literature, particularly from the English and/or American literary canon, and/or classic works of music and art. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 234 Literature of Time and Place (3 cr.) CASE A&H** Focuses on works of fiction and/or nonfiction that are distinctive of a particular time period, memorable event or occurrence, or location. Relevant monographs capture the essence of a specific era, happening, or the perspectives of people in a particular place. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 235 Religion in Literature, Music, Art, and Performance (3 cr.) CASE A&H** Religion has been a theme in literature, music, and art for as long as there has been literature, music, and art. This course examines the origins, varieties, and meanings of religion and of sacred texts in poetry and prose, in music, in visual art and design, and in dramatic performances. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 236 Use of Force (3 cr.) CASE S&H** Considers coercion as a tool in the international arena, with particular attention to the use of military force. Analysis of case material from various time periods and geographical regions, as well as concepts from the social or behavioral sciences or from historical studies. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 237 Law and Society (3 cr.) CASE S&H** Law is not merely the normative framework creating order or fairness in public and private institutions. Among other things, it defines relationships among friends, creates predictability in city bus routes, and influences children's moral character. This course considers law beyond the ordinary bounds of the courtroom and lawmaker's chamber. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 238 Politics and Communication (3 cr.) CASE S&H** Examines communication as a vehicle for conveying political opinion, for forging political identities, for testing political and public ideas, and for understanding how political actors differentiate themselves in the public arena. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 239 Gender across the Disciplines (3 cr.) CASE A&H** Gender is a cross-cutting theme with salience for disciplines as varied as French, forensics, and forestry. This course focuses on representations of gender in the interface across multiple disciplines, such as in the boundary between art and biology or between literature and psychology. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 240 Science and Society (3 cr.) CASE S&H** Science permeates society, but the reverse is also true. The agendas of scientists, ethical norms in science, and the goals of scientific endeavors all have societal underpinnings. This course considers not only how science affects societal forms and functions but also how society affects the scientific enterprise. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 241 Scientific Uncertainty and Discovery (3 cr.) CASE N&M** Applies concepts used by the natural and physical sciences to illuminate general laws of science and to describe natural phenomena using primarily quantitative methods and empirical inquiry. Uses the scientific method for asking and answering questions about scientific phenomena and scientific uncertainty. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 242 Animal Ethics (3 cr.) CASE A&H** Examines our relationships and interactions with, and the uses and treatment of animals by integrating literary texts with provocative essays by various philosophers. By law, animals are considered property. What are the implications of that status? What does it mean to "own" an animal? Considers these and other questions related to the treatment of animals.

**HON-H 299 Honors Tutorial (1-3 cr.)** P: Consent of Hutton Honors College. Open to Hutton Honors College students who wish to pursue independent reading or individual or group research outside of existing departments or departmental courses. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 300 Interdepartmental Colloquium (1-3 cr.)** P: Sophomore or junior standing and consent of Hutton Honors College. May be repeated with different topics up to a maximum of 9 credit hours.

**HON-H 303 Interdepartmental Colloquia (3 cr.) CASE A&H** P: Consent of Hutton Honors College. Honors seminar focusing on topics in arts and humanities. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 304 Interdepartmental Colloquia (3 cr.) CASE S&H** P: Consent of Hutton Honors College. Honors seminar focusing on topics in social and historical studies. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 305 Interdepartmental Colloquia (3 cr.) CASE N&M** P: Consent of Hutton Honors College. Honors seminar focusing on topics in natural and mathematical sciences. May be repeated with a different topic for a maximum of 6 credit hours.

**HON-H 400 Interdepartmental Colloquium (1-3 cr.)** P: Junior or senior standing and consent of Hutton Honors College. May be repeated with different topics up to a maximum of 9 credit hours.

**HON-H 488 C.I.C. Traveling Scholar Program (0 cr.)** S/F grading. Students from other Committee on Institutional Cooperation (C.I.C.) institutions participating in the C.I.C. Traveling Scholar Program for Honors Undergraduates must enroll in this noncredit course in order to register for other classes at Indiana University Bloomington.

## Phi Beta Kappa

The Society of Phi Beta Kappa, founded in 1776 at the College of William and Mary in Virginia, is the oldest academic Greek-letter society in existence. Throughout its history, Phi Beta Kappa has held as its primary objective the recognition of academic excellence of undergraduate students who are candidates for degrees in the liberal arts and sciences in U.S. colleges and universities. At present there are 283 chapters of Phi Beta Kappa. Indiana University's chapter, Gamma of Indiana, was established in 1911.

Members are chosen by faculty electors of Indiana University's chapter from senior degree candidates and recent graduates of the College of Arts and Sciences whose academic records have placed them among the top 10 percent of their class.

## Academic Opportunities

### Accelerated Undergraduate/Graduate Degree Programs

The College of Arts and Sciences offers exceptional students the opportunity to apply to participate in a number of accelerated joint undergraduate/graduate degree programs that allow students to begin graduate study during their fourth year in residence on the Bloomington campus. Details of these programs vary by department and degree, so students should consult the departmental advisor and the individual entries in this *Bulletin* for application standards, timelines and procedures.

A few general principles apply. Students participating in these programs:

- Complete a minimum of 90 credit hours in the College of Arts and Sciences;
- Satisfying core degree requirements including Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, Public Oral Communication, and
- Complete the major concentration requirements for these B.S. majors.

These programs are the result of close collaboration between the College, the IU Graduate School, the IU School of Medicine, the IU School of Optometry, the IU School of Dentistry, and the IU School of Education. Opportunities for accelerated study include:

#### College/Graduate School

- B.S./M.S. in Biotechnology
- B.S./M.S. in Computational Linguistics
- B.S. Physics/M.S. Medical Physics

#### College/Maurer School of Law

- B.S. in Biotechnology/J.D. 3+3 Program

#### College/IU School of Dentistry

- Special B.S. for Three-Year Premedical/Predental/ Preoptometry Students

#### College/IU School of Optometry

- Special B.S. for Three-Year Premedical/Predental/ Preoptometry Students

#### College/IU School of Medicine

- Special B.S. for Three-Year Premedical/Predental/ Preoptometry Students

#### College/IU School of Education

- B.S. Biology/M.S. Ed. Secondary Education
- B.S. Chemistry/M.S. Secondary Education
- B.S. Geological Sciences/M.S. Secondary Education
- B.S. Mathematics/M.S. Secondary Education
- B.S. Physics/M.S. Secondary Education

## CIC CourseShare

CIC CourseShare is a program in which instructors use videoconferencing and Internet technology to host a course simultaneously on more than one campus. CourseShare allows participating institutions to share their courses with a wider audience since interested students do not have to leave their home campus.

Available courses vary each semester. Please contact the College Graduate Office, [coasgrad@indiana.edu](mailto:coasgrad@indiana.edu) or (812) 856-3687, for additional information.

#### Course Descriptions for CIC CourseShare (COLL)

**COLL-C 100 CIC CourseShare (1-6 cr.)** Committee on Institutional Cooperation (CIC) shared course. May be repeated with a different topic for a maximum of 6 credit hours.

**COLL-C 200 CIC CourseShare (1-6 cr.)** Committee on Institutional Cooperation (CIC) shared course. May be repeated with a different topic for a maximum of 6 credit hours.

**COLL-C 300 CIC CourseShare (1-6 cr.)** Committee on Institutional Cooperation (CIC) shared course. May be repeated with a different topic for a maximum of 6 credit hours.

**COLL-C 400 CIC CourseShare (1-6 cr.)** Committee on Institutional Cooperation (CIC) shared course. May be repeated with a different topic for a maximum of 6 credit hours.

## Earth Science

Candidates for the B.A. degree who wish to qualify for a secondary teacher's certificate in earth science or to obtain training in the interdisciplinary field of earth science for any other purpose may do so as majors in either the Department of Geography or the Department of Geological Sciences. For courses that satisfy the requirements for Indiana teacher certification in earth science, see the *School of Education Undergraduate Academic Bulletin*.

## E-Text Initiative

A number of classes in the College of Arts and Sciences are included in the E-Text Initiative, an initiative designed to help lower the costs of textbooks in some courses. Students who enroll in these classes will automatically be billed the cost of purchasing electronic versions of one or more of the assigned text books, which they can access through the Oncourse site for the class and which will cost substantially less than a printed text. Students who do not want to pay this fee should not enroll in these

classes, which carry a special designation in the *Schedule of Classes* published by the Office of the Registrar.

Students will continue to have access to their E-Texts throughout the rest of their time in the College. However, students in these sections who choose to do so can purchase a printed and bound version for a nominal additional fee.

## Experimental Courses

Courses that are experimental in content or teaching technique are offered through the experimental curriculum, designated by the prefix "X." Their purpose is to enrich the College curriculum by providing imaginative, innovative, and interdisciplinary teaching experiments that may be subsequently absorbed into the regular College curriculum. These courses may be counted toward an undergraduate degree in the College of Arts and Sciences as electives inside the College. They do not fulfill Breadth of Inquiry, Foundations, Culture Studies, Critical Approaches, Public Oral Communication, or major requirements. For additional information about current offerings, consult the online [Schedule of Classes](#).

### Course Descriptions for Experimental Courses (COLL)

**COLL-X 101 Experimental Topics (1-3 cr.)** Imaginative, innovative, and interdisciplinary courses designed to enrich the College curriculum. A student may count up to a total of 5 hours of credit in experimental topics courses (X101, X211, X311) with different topics toward graduation.

**COLL-X 112 Traditions and Cultures of Indiana University (2 cr.)** An online examination of the culture of a research university as told through the storied traditions of IU Bloomington. Students will learn about the history of American higher education by examining how the campus has changed since its 1820 founding—in terms of its demography, programs, and buildings. Certain unique treasures of IUB (the Gutenberg Bible, Little 500, the Indiana Memorial Union, the Kinsey Institute) will be used to illustrate issues related to information technology, student activism, commercialization, and academic freedom.

**COLL-X 211 Experimental Topics (1-3 cr.)** Imaginative, innovative, and interdisciplinary courses designed to enrich the College curriculum. A student may count up to a total of 5 hours of credit in experimental topics courses (X101, X211, X311) with different topics toward graduation.

**COLL-X 311 Experimental Topics (1-3 cr.)** Imaginative, innovative, and interdisciplinary courses designed to enrich the College curriculum. A student may count up to a total of 5 hours of credit in experimental topics courses (X101, X211, X311) with different topics toward graduation.

## Five-Year Programs for B.S. Science Degrees from the College and M.S. Degrees from the School of Education

In conjunction with the School of Education, the College offers five-year programs in which students can earn a B.S. in Biology, Chemistry, Environmental Science (administered by SPEA), Geological Sciences,

Mathematics, or Physics—and an M.S. in Secondary Education. In these five-year programs, students also complete all of the requirements for State licensure in Secondary Education. This initiative is a response to state-wide efforts to increase the number of high school science teachers and to ensure that they are well-trained in the fields they teach.

Students in these programs complete a minimum of 90 credit hours in the College of Arts and Sciences, satisfying the Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, Critical Approaches, Public Oral Communication, and major concentration requirements for these B.S. majors. They then begin to take courses in the School of Education and can apply up to 30 of these credit hours toward College electives. The requirements for these B.S. College majors must be completed before student teaching begins in the final spring semester of the five-year program. The two degrees (B.S. in specific College majors and M.S. in Secondary Education) are awarded simultaneously.

Students considering this program should seek advising from both the relevant College department and the School of Education. Also, students are advised to check on the effect that the transition to graduate status may have on existing undergraduate funding.

## Intensive Freshman Seminars

Intensive Freshman Seminars (IFS) is a unique residential program that provides a bridge to a successful college career and is open to all entering freshmen at Indiana University Bloomington. For three weeks before the fall semester begins, students may enroll in one class chosen from a wide range of topics and taught by regular faculty, live in a centrally located residence hall, and become familiar with the IU computing and library systems. Students develop close and lasting friendships through the Intensive Freshman Seminar Program.

All seminars:

- Count as 3 credits toward any IUB degree;
- Allow one-on-one interaction with an outstanding faculty member;
- Are limited to 20 students;
- Emphasize active learning strategies through the seminar format;
- Are designed to hone skills in reading, writing, and critical thinking—the foundations for more advanced work;
- Include an introduction to the university's extensive computing services and world-renowned library resources.

Students planning to pursue a degree in the College of Arts and Sciences are advised to enroll in an Intensive Freshman Seminar that bears one of the following course numbers: COLL-S 103, COLL-S 104, or COLL-S 105. These courses fulfill the CASE Critical Approaches requirement and carry College and campus-wide [General Education](#) Breadth of Inquiry credit as well.

Courses offered as Intensive Freshman Seminars change every year and are available only to matriculating students who elect to take part in the three-week Intensive Freshman Seminar Program prior to beginning the fall semester. For more information on the IFS program

and courses offered, please visit the website <http://ifs.indiana.edu/> or contact the IFS office at Maxwell Hall 222, (812) 855-3839.

### **Intensive Freshman Seminars**

Course Descriptions for Intensive Freshman Seminars that fulfill the Critical Approaches requirement (COLL) are listed below.

#### **COLL-S 103 Freshman Seminar in Arts and Humanities (3 cr.) CASE A&H, CASE CAPP**

P: Freshman standing and consent of the Intensive Freshman Seminar Program. Introduction to college-level projects chosen from arts and humanities fields. Students will learn how scholars frame questions, propose answers, and assess the validity of competing approaches in a small-class experience with a faculty member. Writing and related skills are stressed. Topics vary. Open only to freshmen. Credit given for only one of COLL-S 103, COLL-C103, or COLL-E 103.

#### **COLL-S 104 Freshman Seminar in Social and Historical Studies (3 cr.) CASE S&H, CASE CAPP**

P: Freshman standing and consent of the Intensive Freshman Seminar Program. Introduction to college-level projects chosen from social and historical studies fields. Students will learn how scholars frame questions, propose answers, and assess the validity of competing approaches in a small-class experience with a faculty member. Writing and related skills are stressed. Topics vary. Open only to freshmen. Credit given for only one of COLL-S 104, COLL-C 104, or COLL-E 104.

#### **COLL-S 105 Freshman Seminar in Natural and Mathematical Sciences (3 cr.) CASE N&M, CASE CAPP**

P: Freshman standing and consent of the Intensive Freshman Seminar Program. Introduction to college-level projects chosen from natural and mathematical science fields. Students will learn how scholars frame questions, propose answers, and assess the validity of competing approaches in a small-class experience with a faculty member. Writing and related skills are stressed. Topics vary. Open only to freshmen. Credit given for only one of COLL-S 105, COLL-C 105, or COLL-E 105.

## **Living-Learning Centers**

Living-learning centers (LLCs) are residential-academic programs located in residence halls. There are three living-learning centers associated with the College that are open to all IUB undergraduates of any major: Collins Living-Learning Center (CLLC), located in the Collins Quadrangle; the Global Village Living-Learning Center (GLLC), located in Foster-Martin; and Women in STIM located in Forest. Membership in these centers is based on an on-line application available through the Residential Programs and Services Housing site: students may also request hard copy applications through each LLC. Students from any school majoring in any discipline are eligible to apply for membership in these programs, and current university students may apply to transfer to a center at the beginning of any semester. For additional information, contact Collins LLC at (812) 855-9815 ([www.indiana.edu/~llc](http://www.indiana.edu/~llc)), the Global Village at (812) 855-4552 ([www.indiana.edu/~college/global](http://www.indiana.edu/~college/global)), or the Women in STIM LLC at (812) 855-3565 (<http://studentaffairs.indiana.edu/women-science-technology-informatics-mathematics/index.shtml>).

### **Collins Living-Learning Center**

Founded in 1972, the Collins Living-Learning Center offers a small college experience within a major university. Collins empowers residents by supplementing regular university work with its own accredited courses, arts events, social service activities, and enrichment programs. Students can take leadership roles by designing programs, selecting seminars, and managing student activity fees. Collins LLC students must enroll in at least one Collins course during each of their freshman and sophomore years; all freshmen also enroll in a 1 credit hour workshop in residential learning. Most courses may be counted toward graduation requirements.

- Course Descriptions for Collins Living-Learning Center

### **Global Village Living-Learning Center**

The goal of the Global Village Living-Learning Center is to create a cosmopolitan, multidisciplinary, multicultural, multinational, and multilingual community of domestic and international students preparing for global living and careers. The Global Village provides opportunities for foreign language and cultural practice and is especially appropriate for students preparing for overseas study. New residents must enroll in the 1-credit course GLLC-Q 199. In addition to its own seminars that are open to all IUB undergraduate students, the Global Village hosts introductory courses from several departments in its classrooms as well as informal, internationally themed special activities. There are abundant opportunities for student governance and leadership development.

The Global Village Living-Learning Center is affiliated with the new [School of Global and International Studies](#) in the College of Arts and Sciences, dedicated to providing Indiana University undergraduates with the intellectual tools they will need to live, work, and thrive in the globalized world of the twenty-first century. Degree programs associated with SGIS emphasize language proficiency, cultural competency, and in-depth training in qualitative and quantitative methodologies. SGIS students will enjoy unparalleled access to a stellar faculty and career-focused advising. For further information regarding the mission, structure and resources of the School of Global and International Studies see <http://sgis.indiana.edu/>.

### **Women in Science, Technology, Informatics, and Math (STIM) Living-Learning Center**

The Women in STIM Living-Learning Center provides an academically enhanced living and learning environment for undergraduate women studying in the STIM areas. Located in Forest Residence Hall, the Women in STIM community offers the benefit of living together with peers with similar academic interests and goals. In addition to living with supportive peers, students in the community also have access to a variety of resources tailored to their interests such as tutoring by graduate students, paid summer research opportunities, internships, networking and mentoring opportunities with faculty and staff and supporters from the private and public sectors, facility tours, career development workshops, and more!

The community is open to undergraduate women of all levels with an interest in STIM fields. For more information about the Women in STIM residential community, please visit <http://studentaffairs.indiana.edu/>

[women-science-technology-informatics-mathematics/index.shtml](http://www.science-technology-informatics-mathematics/index.shtml) or contact [stim@indiana.edu](mailto:stim@indiana.edu).

- **COLL-X 294 Women in STIM Residential Seminar (2 cr.)** P: Permission of instructor. R: Freshman or sophomore standing. The Women in STIM (Science, Technology, Informatics, and Mathematics) residential seminar provides curricular and co-curricular experiences to develop and enhance residents' academic success, career goals, and civic responsibility through self-assessment, seminars, career portfolio preparation, research planning, and development of transferable skills. Includes scientific readings and literature research. S/F grading. Credit given for only one of X294 or ASCS-Q294.

### Course Descriptions for Collins Living-Learning Center (CLLC)

**CLLC-L 100 Collins Seminar (1-3 cr.) CASE A&H** Topical or "hands-on" introductions to specific disciplines. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 110 Text, Image, Sound (3 cr.) CASE A&H** Topical introductions to analysis of creative expressions. Subjects are not normally covered by individual departments and vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 115 Collins Seminar (3 cr.) CASE A&H** Topical or "hands-on" introduction to specific disciplines. Subjects vary each semester. May be repeated with a different topic for a maximum of 9 credit hours.

**CLLC-L 120 Politics, Identity, and Resistance (3 cr.) CASE S&H** Topical or "hands-on" introduction to social and historical issues not normally covered by individual departments. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 125 Collins Seminar (3 cr.) CASE S&H** Topical or "hands-on" introductions to specific disciplines. Subjects vary each semester. May be repeated with a different topic for a maximum of 9 credit hours.

**CLLC-L 130 Science and the Universe (3 cr.) CASE N&M** Topical or "hands-on" introduction to biological and physical sciences not normally covered by individual departments. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 135 Collins Seminar (3 cr.) CASE N&M** Topical or "hands-on" introduction to specific disciplines. Subjects vary each semester. May be repeated with a different topic for a maximum of 9 credit hours.

**CLLC-L 200 Collins Colloquium (1-3 cr.)** Interdisciplinary courses on subjects not normally covered by individual departments. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 210 Culture, the Arts, and Society (3 cr.) CASE A&H** Interdisciplinary courses on the arts in socio-cultural context. Subjects are not normally covered by individual

departments and vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

### CLLC-L 215 Collins Colloquium (3 cr.) CASE A&H

Interdisciplinary courses on subjects not normally covered by individual departments. May be repeated with different topics for a maximum of 9 credit hours.

### CLLC-L 220 Uses of the Past (3 cr.) CASE S&H

Topical introductions to the ways in which past events are remembered and those meanings contested. Subjects are not normally covered by individual departments and vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

### CLLC-L 225 Collins Colloquium (3 cr.) CASE S&H

Interdisciplinary courses on subjects not normally covered by individual departments. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

### CLLC-L 230 Life—Concepts and Issues (3 cr.) CASE N&M

Topical courses on subjects in the life sciences not normally covered by individual departments. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

### CLLC-L 235 Collins Colloquium (3 cr.) CASE N&M

Interdisciplinary courses on subjects not normally covered by individual departments. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

### CLLC-L 300 Collins Symposium (1-3 cr.)

The arts, sciences, and professions in their larger contexts. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 310 Collins Symposium (3 cr.) CASE A&H** The arts, sciences, and professions in their larger contexts. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 320 Collins Symposium (3 cr.) CASE S&H** The arts, sciences, and professions in their larger contexts. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 330 Collins Symposium (3 cr.) CASE N&M** The arts, sciences, and professions in their larger contexts. Subjects vary each semester. May be repeated with different topics for a maximum of 9 credit hours.

**CLLC-L 400 Independent Study (1-3 cr.)** For Collins residents only. Individuals or groups of two or more students may put together their own course of study on a topic of common interest, under the supervision of an appropriate faculty member. May be repeated with different topics for a maximum of 6 credit hours.

### CLLC-L 402 Independent Study in Local Environmental Stewardship (1-3 cr.)

P: Consent of instructor and junior/senior status. Independent research project in environmental issues. May be repeated for a total of 6 credit hours.

### CLLC-Q 199 Residential Learning Workshop (1 cr.)

Small discussion groups led by undergraduate students of the Living-Learning Center will consider the topics of community, cooperation, and interactive learning as well as the structure and operation of the center in relation to

the university as a whole. Students will complete a project contributing to the purpose of the center.

**CLLC-Q 299 Peer Instructor Workshop (1 cr.)** Trains undergraduate peer instructors to prepare and teach Q199 Residential Learning Workshop at the Collins Living-Learning Center.

### Course Descriptions for Global Village Living-Learning Center (GLLC)

#### GLLC-G 200 Global Village Colloquium (1-3 cr.)

P: Permission of Global Village director. Intermediate consideration of a topic or issue of international dimension not normally covered by individual departments. Often interdisciplinary. May be repeated with different topics for a total of 6 credit hours.

#### GLLC-G 210 Global Village Colloquium (3 cr.) CASE A&H, CASE GCC

P: Permission of Global Village director. Intermediate consideration of a topic or issue of international dimension not normally covered by individual departments. Often interdisciplinary. Subjects vary each semester. May be repeated with a different topic for a total of 6 credit hours.

#### GLLC-G 220 Global Village Colloquium (3 cr.) CASE S&H, CASE GCC

P: Permission of Global Village director. Intermediate consideration of a topic or issue of international dimension not normally covered by individual departments. Often interdisciplinary. Subjects vary each semester. May be repeated with a different topic for a total of 6 credit hours.

#### GLLC-G 230 Global Village Colloquium (3 cr.)

CASE N&M P: Permission of Global Village director. Intermediate consideration of a topic or issue of international dimension not normally covered by individual departments. Often interdisciplinary. Subjects vary each semester. May be repeated with a different topic for a total of 6 credit hours.

#### GLLC-G 291 Study Abroad: Before You Go (1 cr.)

P: Permission of Office of Overseas Study. Academic preparation for studying abroad. Refinement of goals and concerns, pre-departure matters, life in the host country, strategies for recognizing and overcoming challenges, and integrating study and personal experiences with post-travel educational goals.

#### GLLC-G 300 Global Village Symposium (1-3 cr.)

P: Permission of Global Village director. Advanced consideration of a topic or issue of international dimension not normally covered by individual departments. Often interdisciplinary. Subjects vary each semester. May be repeated with different topics for a total of 6 credit hours.

#### GLLC-G 310 Global Village Symposium (3 cr.) CASE A&H

P: Permission of Global Village director. Advanced consideration of a topic or issue of international dimension not normally covered by individual departments. Often interdisciplinary. Subjects vary each semester. May be repeated with a different topic for a total of 6 credit hours.

#### GLLC-G 320 Global Village Symposium (3 cr.) CASE S&H

P: Permission of Global Village director. Advanced consideration of a topic or issue of international dimension not normally covered by individual departments. Often

interdisciplinary. Subjects vary each semester. May be repeated with a different topic for a total of 6 credit hours.

#### GLLC-G 321 Intelligence and National Security (3 cr.) CASE S&H

Study and analysis of intelligence in U.S. foreign policy and national security issues from 1776 to the present. A look at wartime and peacetime tactics, the Cold War, post-September 11th strategies, and both state and non-state threats. Examines shift to human intelligence, civil liberty issues, and foreign and domestic intelligence activities.

#### GLLC-G 330 Global Village Symposium (3 cr.) CASE N&M

P: Permission of Global Village director. Advanced consideration of a topic or issue of international dimension not normally covered by individual departments. Often interdisciplinary. Subjects vary each semester. May be repeated with a different topic for a total of 6 credit hours.

#### GLLC-G 491 Study Abroad: When You Return (1 cr.)

Provides students returning from overseas study with practical advice on how their international experiences can be utilized for future educational and professional pursuits. Students will engage in structured discussion and reflection regarding their overseas accomplishments as well as the knowledge and skills they acquired while abroad.

#### GLLC-Q 199 Introduction to the Global Village (1 cr.)

P: Residence in the Global Village Living-Learning Center. Small discussion groups led by undergraduate Global Village residents consider topics relevant to the purpose and operation of the Center, community living, and the relation of the Global Village to the university. Introduction to campus international resources. Students complete a project that contributes to the Global Village's purpose.

#### GLLC-Q 299 Peer Instructor Workshop (2 cr.)

P: Permission of Global Village director. Required workshop for Global Village residents preparing to teach Q199.

## Military Science and Aerospace Studies

Qualified men and women may elect to earn credits leading to a commission as a second lieutenant in the United States Army or Air Force. Credits earned in Army ROTC and Air Force ROTC may be applied toward the 120 credit hour total required for graduation. More specific information may be obtained from the offices of the particular ROTC units in which the student is interested: Military Science (Army), Smith Research Center, 2805 E. Tenth Street, Suite 150, (812) 855-7682, <http://www.indiana.edu/~rotc>; and Aerospace Studies (Air Force), 814 E. Third Street, (812) 855-4191 or 1-(800) IUB-ROTC, <http://www.indiana.edu/~afrotc>, [afrotc@indiana.edu](mailto:afrotc@indiana.edu).

## Minority and First-Generation Scholars

### Groups Scholars Program

The Groups Scholars Program provides whatever reasonable support is needed to attain the bachelor's degree at Indiana University for individuals who are first-generation college students, are from officially determined low-income families, or are physically disabled. The

program offers a variety of services, including personal counseling, academic counseling, tutoring, enrollment in specialized courses, and activities that foster academic enrichment. For more information, see the [Groups Scholars Program website](#), call (812) 855-0507, or visit Maxwell Hall 200.

### **Course Descriptions for the Groups Scholars Program (COLL)**

#### **COLL-G 103 Introduction to Chemistry for Groups**

**Students (1 cr.)** For Groups students only. Introduction to the basic principles of chemistry. Topics include chemical and physical properties, atomic structure, properties of elements, and stoichiometry. Students who have not mastered high school level chemistry should also take CHEM-C 103 in preparation for CHEM-C 117.

#### **COLL-G 113 Content Courses for Groups Students (1 cr.)**

Limited to Groups students who live in the Atkins Living-Learning Center. Examines the impact of African American history and culture on the nation as a whole and on the international community.

#### **COLL-G 123 Success at IU and Beyond for Groups**

**Students I (1 cr.)** For Groups students only. Acquisition of leadership, study, and time-management skills needed for success in university-level course work. May also focus on skills and knowledge required for success in preparing for a particular profession.

#### **COLL-G 125 Success Seminar in STEM Fields (1 cr.)**

Introduces science, technology, engineering and math (STEM) fields and subfields. Provides information on STEM majors including astronomy, biochemistry, biology, biotechnology, chemistry, cognitive science, computer science, environmental science, geology, informatics, mathematics, microbiology, neuroscience, physics, psychology, speech and hearing sciences, and statistics. Outlines the structures of scientific research and maps STEM career paths.

#### **COLL-G 127 Success Seminar in Nursing (1 cr.)**

Prepares declared pre-nursing students for admission into nursing programs. Guest speakers discuss nursing and other health-related fields with a focus on curricula, standards, and academic expectations. Helps identify major and career goals. Develops study skills and strategies. Introduces campus and community resources related to nursing.

#### **McNair Scholars Program**

The McNair Scholars Program at Indiana University, funded by the U.S. Department of Education, prepares low-income, first-generation, and minority undergraduates for graduate study at the doctoral level. Each year, McNair Scholars participate in academic year and summer activities that focus on gaining research experience. The program offers a variety of services, including personal and academic counseling, tutoring, and activities that foster academic enrichment. One of the most exciting aspects of the McNair program is the opportunity for scholars to engage in paid research internships under the guidance of faculty mentors from areas in which they hope to pursue graduate study. McNair Scholars attend national conferences where they make formal presentations of their research to faculty and peers and attend academic seminars and workshops. McNair Scholars receive guidance regarding the graduate school application

process and fellowships, graduate assistantships, and loans; attend a Graduate Record Exam preparation course; and may visit other campuses to learn about graduate school life.

Students who plan to pursue a Ph.D. in any major are eligible to apply to the McNair Scholars Program. For additional information and eligibility requirements, contact the [McNair Scholars Program](#) Office, Kirkwood Hall 301, [iumpsp@indiana.edu](mailto:iumpsp@indiana.edu), (812) 855-4005.

### **Other Courses**

The College of Arts and Sciences offers a few additional introductory courses for undergraduates.

#### **Course Descriptions for Other Courses (COLL)**

**COLL-C 101 Introduction to Chess (1 cr.)** An introduction to chess including the rules, strategies, and history of the game. S/F grading.

**COLL-Q 175 Introduction to the College (1 cr.)** This course is highly recommended for directly admitted freshmen and transfer students. With guest speakers, campus visits, and online resources, students are introduced to valuable tools at Indiana University and taught how to use these resources most effectively. S/F grading.

#### **COLL-C 222 Take Control: Strategies for Academic Success for the Student with Disabilities (1-4 cr.)**

**P:** Limited to students determined by the Office of Disability Services for Students (DSS) to be eligible for IU disability support services. Offered as reasonable accommodation to students who, for disability-related reasons, require extra time to complete course work. Credits earned do not count toward graduation but do count toward a full-time course load of 12 credit hours per semester. With permission of DSS, may be repeated for a maximum of 8 credit hours.

#### **COLL-X 495 Individual Readings and Research**

**(1-6 cr.)** Independent study that cannot be accommodated through a department reading number is arranged through a faculty member willing to work closely with a student to direct a project. Proposals and recommendations of the faculty director must be presented to the College of Arts and Sciences office prior to registration.

### **Overseas Study Programs**

Indiana University grants direct credit for more than 100 university-sponsored overseas study programs for a full academic year, semester, or summer abroad. Some programs require a strong foreign language background and permit students to attend regular courses in the host university. Others, especially summer programs, provide intensive language instruction as part of the program. Many programs offer courses in English on comparative or international topics. Students may participate in some summer programs as early as their freshman year. Academic year and semester programs normally require junior or senior standing.

Programs are open to all College of Arts and Sciences majors, and financial aid is applicable to program costs. Students are encouraged to explore the range of opportunities for study abroad early in their university career.

Credits earned in Indiana University programs may be applied to university degree requirements in most cases and satisfy the senior residency requirements at the student's home campus.

Students who successfully complete a semester (or more) abroad in a program sponsored by the Indiana University Office of Overseas Study will satisfy the "Global Civilizations and Cultures" component of the CASE Culture Studies requirement. These students will still be expected to take a course in "Diversity in the U.S."

Information on study abroad programs sponsored by Indiana University (and those arranged through other institutions, or "non-IU programs") is available from the Office of Overseas Study in the Leo R. Dowling International Center, 111 South Jordan Avenue, on the Bloomington campus, (812) 855-9304; the overseas study coordinators on IU regional campuses; and on the Web at <http://overseas.iu.edu>. The Office of Overseas Study offers [over 100 programs](#). To view all programs offered across the IU system, see [The Big List](#).

Indiana University's overseas study programs include the following:

#### **Academic Year**

- Argentina (Buenos Aires)
- Brazil (Bahia, São Paulo)
- Chile (Santiago, Valparaiso)
- China (Nanjing)
- England (Canterbury, Oxford)
- France (Aix-en-Provence)
- Germany (Freiburg)
- Greece (Athens)
- Israel (Jerusalem)
- Italy (Bologna)
- Japan (Nagoya)
- Peru (Lima)
- Spain (Madrid)

#### **One Semester**

- Argentina (Buenos Aires)
- Australia (Adelaide, Canberra, Perth, Sydney, Wollongong)
- Austria (Vienna)
- Bonaire (Kralendijk)
- Brazil (Bahia, São Paulo)
- Chile (Santiago, Valparaiso)
- China (Beijing, Nanjing, Shanghai)
- Costa Rica (Monteverde)
- Czech Republic (Prague)
- Denmark (Copenhagen)
- Dominican Republic (Santiago)
- Ecuador (Quito)
- England (Canterbury, London)
- France (Aix-en-Provence, Paris, Rennes, Rouen)
- Germany (Freiburg, Berlin)
- Ghana (Legon)
- Greece (Athens)
- Hungary (Budapest)
- India (Hyderabad, Jaipur, Pune)
- Ireland (Dublin)
- Israel (Jerusalem)
- Italy (Bologna, Florence, Milan, Rome)

- Japan (Nagoya, Tokyo)
- Jordan (Amman)
- Mexico (Monterrey)
- Morocco (Rabat)
- The Netherlands (Amsterdam, Maastricht)
- New Zealand (Christchurch)
- Peru (Lima)
- Portugal (Lisbon)
- Russia (St. Petersburg)
- Rwanda (Kigali)
- Senegal (Dakar)
- Serbia (Belgrade)
- South Africa (Cape Town, Durban)
- South Korea (Seoul)
- Spain (Alicante, Barcelona, Granada, Madrid, Salamanca, Seville)
- Switzerland (Geneva)
- Thailand (Khon Kaen)
- Turkey (Istanbul)

#### **Summer**

- Australia (Sydney)
- Austria (Graz, Vienna)
- Botswana (Gaborone)
- Cayman Islands (Grand Cayman)
- Chile (Santiago)
- China (Beijing, Kunming, Shanghai)
- Czech Republic (Prague)
- Denmark (Copenhagen)
- Dominican Republic (Santiago)
- Ecuador (Quito)
- England (London)
- France (Paris)
- Germany (Berlin)
- Greece
- Ireland (Dublin)
- Italy (Florence, Rome, Venice)
- Japan
- The Netherlands (Amsterdam, Maastricht)
- Russia (St. Petersburg)
- Senegal (Dakar)
- South Africa (Cape Town)
- Spain (Alcalá, Barcelona, Palma de Mallorca, Salamanca, Seville)
- Vietnam

#### **Intersession**

- Costa Rica (field sites)

#### **Course Work for Overseas Study Programs**

In the vast majority of cases, courses taken overseas will be recorded on student transcripts according to the department offering the course. In rare circumstances, however, students may take courses overseas that do not have an appropriate Indiana University departmental designation. In such cases, the courses will be treated as COLL F200.

**COLL-F 200 Foreign Study (0-8 cr.) P:** Approval of an assistant dean of the College of Arts and Sciences. This course listing may be used for course work from overseas study programs (including transfer credit from non-IU programs) when the content of the course is within the general area of arts and sciences but does not fall

clearly within the discipline of any particular department in the College. May be repeated up to the limit of 8 credit hours.

## Poynter Center

The Poynter Center for the Study of Ethics and American Institutions seeks to foster the examination and discussion of ethical issues in our professional, public, and national life. The center's approach is informed by the spirit of the humanities, attempting to understand and evaluate our society, rather than merely to describe it. It has directed its attention to political institutions, the legal system, science and technology, medicine, the media, the military, the business corporation, organized religion, the professions, and the academy.

The center's work is conducted through a variety of efforts—sponsoring conferences and seminars; publishing monographs and other papers; bringing distinguished visitors to Bloomington and to other college and university campuses in Indiana; pursuing grant opportunities, and teaching courses for graduate students, post-doctoral students, and external audiences.

Further information is available on our website at <http://poynter.indiana.edu/> or from the Poynter Center office, 618 E. Third Street, Bloomington, IN 47405, (812) 855-0261, [poynter@indiana.edu](mailto:poynter@indiana.edu).

## Science Courses for Non-Science Majors

These courses are specially designed for the non-science major; they challenge the liberal arts student to understand modern science and scientific concepts and methods. During any academic year, courses of this type are available in the departments of Astronomy, Biology, Chemistry, Mathematics, Physics, and Psychological and Brain Sciences.

## Themester

Themester (a themed semester) is a College initiative offering more than 20 courses across disciplines with complementary extracurricular and co-curricular events put together by faculty and undergraduate students. Each fall semester a different theme is highlighted. In fall 2014, the College examines food from many perspectives using the theme "Eat, Drink, Think: Food from Art to Science." Please check [themester.indiana.edu](http://themester.indiana.edu) for up-to-date information about future themes as well as courses, lectures, plays, art exhibits, panel discussions, and more.

Students who want to explore Themester topics in more detail may choose to add a 15 credit minor through the Individualized Major Program.

### Course Descriptions for Themester (COLL)

**COLL-T 200 Exploring Themester Ideas (3 cr.)** Ideas and issues related to the central focus of the College's Themester each fall. Topics and themes vary and are listed in the online *Schedule of Classes*.

**COLL-T 299 Themester Internship (1 -2 cr.)** P: Requires permission of the College Director of Academic Initiatives. Interns participate in the administration of activities and events related to the ideas and issues associated with Themester and gain professional experience. Interns report on events and activities throughout the semester

and submit a final reflection paper. May be repeated for a maximum of 2 credit hours.

## Arts and Sciences Career Services (ASCS)

Hours: Monday-Friday 8 a.m.-5 p.m.  
625 North Jordan (10th & Jordan)

[www.ascs.indiana.edu](http://www.ascs.indiana.edu)  
(812) 855-5234

**Arts and Sciences Career Services** provides services and resources for job search strategies and other post-graduate options to Arts and Sciences students. Services include resume and cover letter writing critiques, mock interviewing, listings for internships and full-time positions, career fairs, on-campus recruiting, and online recruiting.

### Courses

Arts and Sciences Career Services also offer a number of career courses, including:

#### ASCS-Q 275 Professional Portfolio Development

(1 cr.) Students create a professional portfolio, an educational tool used for reflection and the practical pursuit of graduate studies and/or career placement. Students incorporate their personal academic experience into a tangible record of their accomplishments in order to communicate the value of their liberal arts education with outside constituents. S/F grading.

#### ASCS-Q 294 College to Career I: Explore Your Options

(2 cr.) P: Freshman or sophomore standing. Development and integration of self-assessment, career planning, and academic work. Students design and produce an individual career action plan. Through self-assessment instruments, they develop their understanding of their personal values, interests, skills, and personality in relation to their vocational options, academic process, and career projections. S/F grading.

#### ASCS-Q 296 College to Career II: Navigate Your

**Arts and Sciences Experience (2 cr.)** R: Q294. Allows students to explore the relationship between their chosen field of study and life after graduation. Under the guidance of career and academic advisors, students assess their skills and work to address gaps in their skill set. Students also develop a portfolio highlighting marketable skills gained through course work and co-curricular experiences in preparation for seeking professional success after graduation.

#### ASCS-Q 299 College to Career III: Market Yourself for

**the Job and Internship Search (2 cr.)** P: Sophomore, junior, or senior standing. R: Q294. Requires special fee. Emphasis on identifying each individual's marketable skills, locating job possibilities, writing resumes and correspondence, and interviewing for jobs. Stresses the value of the arts and sciences degree in the competitive labor market. Ordinarily taught as an eight-week course. S/F grading. Credit given for only one of the following: Q299, Q400, Business X420, and SPEA-V 352.

#### ASCS-Q 377 The Art of Meaningful Work (3 cr.)

Examines the idea that each of us has a "calling" or unique gift that can make a difference in the world. Through experiential, theoretical, and discussion-oriented exercises, students are challenged to deeply explore

personal issues of spirituality, meaning, and purpose in relation to the world of work.

#### **ASCS-Q 398 Internship: Theory into Practice (1-3 cr.)**

Provides opportunity to receive academic credit for a part-time or full-time internship experience that applies classroom concepts to the world of work. Requires approval from Arts and Sciences Career Services, learning contract, employer evaluations, weekly journal, reflective paper, and evaluation of internship site. S/F grading. Offered spring, summer, and fall. Course may be repeated up to a maximum of 6 credit hours.

#### **ASCS-W 498 Part-time Work Assignment (0 cr.)**

P: Approval from Arts and Sciences Career Services. Students can apply on the Career Development Center website. Offers students the opportunity to integrate academic studies with professional work experience in an internship or cooperative education assignment off campus. W498 is appropriate for students working in a part-time capacity (a minimum of 20 hours per week for 9 weeks).

**ASCS-W 499 Work Assignment (0 cr.)** Offers students the opportunity to integrate academic studies with professional work experience in an internship or cooperative education assignment off-campus. Approval required from Arts and Sciences Career Services.

## **Opportunities Outside the College**

### **List of Approved Outside Minors**

Students in the College may complete and have listed on their transcripts up to three minors, including specified minors on the below list from other IU schools. Courses from outside the College, except where indicated otherwise, do not count as part of the 100 "inside" credit hours required for graduation. However, College students can count up to 20 credit hours from outside of the College toward the 120 credit hours required for graduation. For information about "outside minors," students should contact the relevant school, the [College of Arts and Sciences Recorder's Office](#) (Owen Hall 003), and the academic advisor(s) for their major(s).

**Note:** The following four requirements apply to minors offered and transcribed by the College:

1. any course in which the student receives a grade below C– cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000;
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

The following "outside minors" are available to students from the College:

- Business—Undergraduate (Kelley School of Business)
- Counseling (Education)

- Education Policy (Education and Public and Environmental Affairs)
- Educational Studies (Education)
- Entrepreneurship and Small Business Management (Kelley School of Business)
- Environmental Management (Public and Environmental Affairs)
- Environmental Science and Health (Public and Environmental Affairs)
- Exercise Science (Public Health)
- Financial Literacy (Kelley School of Business)
- Fundraising and Resource Development (Public Health)
- Gerontology (Public Health)
- Global Health Promotion (Public Health)
- Health Systems Administration (Public and Environmental Affairs)
- Human-Centered Computing (Informatics and Computing)
- Human Development and Family Studies (Public Health)
- Human Resources (Public and Environmental Affairs)
- Informatics (Informatics and Computing)
- Information Systems (Public and Environmental Affairs)
- Information Technology (Informatics and Computing)
- Labor Studies (Social Work)
- Law and Public Policy (Public and Environmental Affairs)
- Management (Public and Environmental Affairs)
- Marketing (Kelley School of Business)
- Medical Sciences (School of Medicine)
- Music Studies (Jacobs School of Music)
- Nonprofit Management (Public and Environmental Affairs)
- Nutrition (Public Health)
- Policy Studies (Public and Environmental Affairs)
- Public and Environmental Affairs (Public and Environmental Affairs)
- Public Finance (Public and Environmental Affairs)
- Public Health (Public Health)
- Security Informatics (Informatics and Computing)
- Social Welfare Advocacy (Social Work)
- Youth Development (Public Health)

The following "special minors" are available to College students pursuing select majors:

- Business minor for Apparel Merchandising majors
- Business minor for Telecommunications majors

## **Jacobs School of Music**

College of Arts and Sciences students are eligible for the Minor in Music Studies in the Jacobs School of Music. In addition, a limited number of courses in the theory and history of music offered in the Jacobs School of Music are counted as "inside hours" for College students. For information on which courses count as "inside hours," please see "Courses Outside the College."

## Minor in Music Studies in the Jacobs School of Music

The following four requirements apply to minors offered and transcripted by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

### Requirements

Minimum of 20 credit hours, of which at least 15 (including a minimum of one core course) must be taken on the Bloomington campus.

### Core (6 credit hours)

May be met by the following options:

- Z111 Introduction to Music Theory I (3 cr.) and Z101 Music for the Listener (3 cr.),  
  - (Z111 may be replaced with Z211 Music Theory II or Z311 Music Theory III based on placement exam)
- Z101 Music for the Listener (3 cr.) and T109 Rudiments of Music (3 cr.),
- T109 Rudiments of Music (3 cr.) and T151 Music Theory and Literature I (3 cr.)
- T151 Music Theory and Literature I (3 cr.) and an additional music elective (3 cr.).

### Ensemble/Live Performance (2 credit hours)

Either two semesters of X001 All-Campus Ensemble (1 cr.) or by audition, one semester of X040 Instrumental Ensembles (2 cr.), X060, Early Music Ensemble (2 cr.), X070 Choral Ensembles (2 cr.), X030 Ballet Ensemble (2 cr.), X050 Marching Hundred for Non-Music Majors (2 cr.), Z161 Steel Drumming (2 cr.), Z162 Hand Drumming (2 cr.), or Z100 The Live Musical Performance (2 cr.).

### Music Electives (12 credit hours)

Electives in music should be chosen based on the student's background and interest, and with the approval of the director of music undergraduate studies. Courses may include elective performance study at the 100 level (no more than 3 credit hours) and courses with a "Z" prefix.

Other courses inside or outside of the Jacobs School of Music may be used as electives if approved by both the director of music undergraduate studies and the Associate Dean for Undergraduate Education in the College of Arts and Sciences. Music ensemble credits beyond the two required above do not count toward music electives. At least 9 credit hours must be at the 300 level or higher.

### Music Courses that are Counted as "Inside Hours" for College Students

- M385 Film Sound and Film Music (3 cr.) **CASE A&H**

- M392 Art Musics of the Non-Western World (3 cr.) **CASE A&H, CASE GCC**
- M396 (AAAD A396) Art Music of Black Composers (3 cr.) **CASE A&H, CASE DUS**
- M401 History and Literature of Music I (4 cr.) **CASE A&H**
- M402 History and Literature of Music II (4 cr.) **CASE A&H**
- T418 Music and Ideas (3 cr.) **CASE A&H**
- Z101 Music for the Listener I (3 cr.) **CASE A&H**
- Z111 Introduction to Music Theory I (3 cr.) **CASE A&H**
- Z171 Opera Theatre I (3 cr.) **CASE A&H**
- Z172 Opera Theatre II (3 cr.) **CASE A&H**
- Z201 History of Rock and Roll Music I (3 cr.) **CASE A&H**
- Z202 History of Rock and Roll Music II (3 cr.) **CASE A&H**
- Z211 Music Theory II (3 cr.) **CASE A&H**
- Z311 Music Theory III (3 cr.) **CASE A&H**
- Z315 Music for Film (3 cr.) **CASE A&H**
- Z373 American Musical: Context and Development (3 cr.) **CASE A&H**
- Z385 History of the Blues (3 cr.) **CASE A&H, CASE DUS**
- Z390 Jazz for Listeners (3 cr.) **CASE A&H**
- Z393 (AAAD A393) History of Jazz (3 cr.) **CASE A&H, CASE DUS**
- Z394 (AAAD A394) Black Music in America/ Survey of African American Music (3 cr.) **CASE A&H, CASE DUS**
- Z395 (AAAD A395) Contemporary Jazz and Soul Music (3 cr.) **CASE A&H, CASE DUS**
- Z401 The Music of the Beatles (3 cr.) **CASE A&H**
- Z402 Music of Frank Zappa (3 cr.) **CASE A&H**
- Z403 The Music of Jimi Hendrix (3 cr.) **CASE A&H**
- Z404 The Music of Bob Dylan (3 cr.) **CASE A&H**
- Z413 Latin American and Latino Popular Music and Culture (3 cr.) **CASE A&H, CASE GCC**
- Z415 Connections: Music, Art, Literature (3 cr.) **CASE A&H**

## Kelley School of Business

The Kelley School of Business offers four minors that are available to students from the College of Arts and Sciences:

- Minor in Business
- Minor in Entrepreneurship and Small Business Management
- Minor in Financial Literacy
- Minor in Marketing

Please note the following:

- A candidate for a Bachelor's degree in the College of Arts and Sciences must satisfactorily complete a minimum of 100 credit hours in courses offered by the College. Students may select the remaining 20 credit hours from courses in the College and/or from courses outside the College. For information about credit hours, please see the section of this *Bulletin* entitled "Courses Outside the College," which can be found under "Degree Requirements."

- Students certified to earn a bachelor's degree in the College who have already completed 26 or more credit hours of College course work that count toward graduation may obtain the minors listed above and described below.
- Students should meet with an advisor from their major department to ensure that program planning is accurate.

The following four requirements apply to minors offered and transcripted by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

The following additional requirements also apply to the four Kelley School of Business Minors:

- A100 is a prerequisite for both A201 and A202. However, transfer students who complete A201 or A202 at another campus are not required to take A100.
- Computer Science majors may substitute CSCI C211 for BUS K201 in any of the four minors.
- All 300–400 level course work must be completed on the Bloomington campus.
- None of the course work may be taken in a self-paced, independent-study format. They may be taken in courses taught in virtual classrooms, within a semester frame of reference.
- College students may apply online at the [College Recorder's Office](#) website for the Minor in Business, the Minor in Entrepreneurship and Small Business Management, the Minor in Financial Literacy, and the Minor in Marketing.

Students pursuing a major in Apparel Merchandising or in Telecommunications should consult with the advisor for their major regarding the requirements for business minors that have been specially designed for these students.

### **Minor in Business**

The basic Minor in Business is intended for non-business majors who have personal or career goals that will be reinforced by business course work.

#### **Requirements**

Successfully complete the following courses:

- BUS A200 or A201 or A202 (3 cr.)
- BUS K201 (3 cr.), with a grade of C or higher
- BUS L201 (3 cr.)

Successfully complete four of the following additional elective courses:

- BUS F300 (3 cr.)
- BUS G300 (3 cr.)
- BUS M300 (3 cr.)
- BUS P300 (3 cr.)

- BUS Z302 or J306 (3 cr.)

ECON E201 is recommended to round out the student's minor in business but not required. Students may apply online for the Minor in Business on the College Recorder's website ([college.indiana.edu/recorder](#)).

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### **Minor in Entrepreneurship and Small Business Management**

The 21 credit hour Minor in Entrepreneurship and Small Business Management is intended for non-business majors who have aspirations and goals in business that will require entrepreneurial skills. Such students might plan to open businesses of their own or work for smaller and/or family-owned businesses. As an alternative to the more traditional minor in business, the Minor in Entrepreneurship and Small Business Management allows such students to pursue their career goals more directly.

#### **Requirements**

Successfully complete the following courses

- BUS A200 or A201 or A202 (3 cr.)
- BUS K201 (3 cr.), with a grade of C or higher (see note above)
- BUS L201 or L311 (3 cr.)
- BUS W212 (3 cr.)
- BUS M300 (3 cr.)
- BUS W300 (3 cr.)

Successfully complete one of the following elective courses (**Note:** Students who matriculated to IU Bloomington prior to fall 2003 do not need to take an elective for this minor):

- BUS F300 (3 cr.)
- BUS G300 (3 cr.)
- BUS P300 (3 cr.)
- BUS Z302 or J306 (3 cr.)

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### **Minor in Financial Literacy**

The 21 credit minor in Financial Literacy is intended for non-business students who are interested in a broad overview of business disciplines, as well as introductions to personal finance, financial markets, financial management, law relating to business affairs, and real estate.

#### **Requirements**

Successfully complete the following courses (15 credit hours):

- BUS-A 200 or BUS-A 201 or BUS-A 202 (3 cr.)
- BUS-K 201 (3 cr.), with a grade of C or higher
- BUS-F 260 (3 cr.)
- BUS-F 262 (3 cr.)
- BUS-F 300 (3 cr.)

Successfully complete two of the following courses (6 credit hours):

- BUS-L 201 (3 cr.)
- BUS-M 300 (3 cr.)
- BUS-P 300 (3 cr.)
- BUS-G 300 (3 cr.)
- BUS-R 300 (3 cr.)

- BUS-Z 302 or BUS-J 306 (3 cr.)

### **Minor in Marketing**

This 21 credit hour minor is intended for non-business majors who have aspirations and goals in business that will require marketing skills. As an alternative to the more traditional Minor in Business, the Minor in Marketing allows such students to pursue their career goals more directly.

#### **Requirements**

Successfully complete the following courses:

- BUS A200 or A201 or A202 (3 cr.)
- BUS K201 (3 cr.), with a grade of C or higher
- BUS L201 (3 cr.)
- BUS M300 (3 cr.)
- BUS M311 or M312 (3 cr.)

Successfully complete two of the following additional elective courses:

- BUS M311 or M312 (if not used for required course above) (3 cr.)
- BUS F300 (3 cr.)
- BUS G300 (3 cr.)
- BUS P300 (3 cr.)
- BUS Z302 or J306 (3 cr.)

### **School of Dentistry**

Although most successful applicants enter the School of Dentistry with their Bachelor's degrees, some students may be admitted after three years in the College of Arts and Sciences if they complete at least 90 credit hours. Information regarding admission to the School of Dentistry may be obtained from the director of admissions of the School of Dentistry and from the [Health Professions and Prelaw Center](#), Maxwell Hall 010, (812) 855-1873.

#### **Bachelor's Degree—D.D.S. Program**

Students who are admitted to the School of Dentistry prior to completing their degrees in the College of Arts and Sciences and who have satisfied the College's Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, and major concentration requirements may apply 32 credit hours earned their first year in dentistry as College electives and, at the end of that year, earn the Bachelor's degree. The requirements listed under "CASE Credit Hour and Residency Requirements" are still in effect.

### **School of Education**

**Note:** The following four requirements apply to minors offered and transcribed by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000;
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

**Items on this page:**

- Minor in Counseling
- Minor in Educational Studies
- Teacher's Certificate

See also the Minor in Education Policy which is jointly administered by the School of Education and the School of Public and Environmental Affairs.

### **Minor in Counseling**

The Counseling minor is a 15 credit hour introduction to content in the field of counseling that can be applied across a variety of other disciplines within the helping professions. The minor contributes to understanding human behavior, using counselor-related skills to engage effective interpersonal communication, and to think critically about how to successfully operate in a diverse pluralistic society. Course work in this minor could be beneficial to mental health, human service, and sales professions. The minor may be of particular interest to students pursuing course work in criminal justice, pre-law, psychology, social work, sociology, coaching and athletics, non-profit administration, business, youth services, and teaching. The minor helps students learn how to facilitate effective personal communication, utilize advanced listening skills, and access resources to help people actualize their potential and skills to effect positive personal and societal change.

This minor does not lead to a license to practice professional counseling or licensure in any other professional helping field.

Students must complete 15 credit hours for the minor. All courses must be completed with a grade of C or higher. A minimum of 9 hours must be at the 300 or 400 level. Elective introductory courses (G203, G204, G207 or G208) can be taken in advance of taking G206 (or concurrently). G206 is required before taking advanced courses (G302, G352, G355, and G375). Students interested in the Counseling Minor must meet with a School of Education Academic Advisor to identify a course plan.

#### **Required Courses**

Students must complete a minimum of 15 credit hours, including

1. EDUC-G 206 Introduction to Counseling Psychology (3 cr.)
2. One to two\*\* elective courses (3–6 cr.) from the following:
  - EDUC-G 203 Communication in the Classroom (3 cr.)
  - EDUC-G 204 Asian American Mental Health (3 cr.)
  - EDUC-G 207 Introduction to Student-Athlete Counseling Psychology and Mental Health (3 cr.)
  - EDUC-G 208 Prevention of Adolescent Risk Behaviors: Counseling Perspectives (3 cr.)
3. Two or three\*\* advanced courses from the following:
  - EDUC-G 302 Resources for Counseling with Youth (3 cr.)
  - EDUC-G 352 Issues in Career Counseling (3 cr.)
  - EDUC-G 355 Positive Psychology (3 cr.)

- EDUC-G 375 Multicultural Counseling-Related Skills and Communication (3 cr.)

\*\*Students in the College of Arts and Sciences are required to complete at least 9 credit hours of 300–400 level courses within a minor.

### **Minor in Educational Studies**

Interested in education as a social institution, developmental process or public policy, or interested in taking courses that can count toward a teaching license? The Educational Studies minor is designed for undergraduates outside the School of Education who want to learn more about public education and/or student development and learning.

This 15-credit minor offers two potential routes—a highly customizable General Studies track, and a more tightly defined Pre-Licensure track that is designed for students who eventually want to obtain their teaching license.

#### **PRE-LICENSURE TRACK**

##### **ELEMENTARY**

1. P248 Elementary School Child (3 cr.)
2. W200 Using Computers in Education (3 cr.)
3. E300 Teaching in a Pluralistic Society (3 cr.)
4. H340 Education and American Culture (3 cr.)
5. A308 Legal and Ethical Issues in Education (3 cr.)

##### **SECONDARY**

1. P312 Learning: Theory into Practice (3 cr.)
2. P313 Adolescents in a Learning Community (3 cr.)
3. W200 Using Computers in Education (3 cr.)
4. M300 Teaching in a Pluralistic Society (3 cr.)
5. H205 Introduction to Educational Thought (3 cr.), or H340 Education and American Culture, or A308 Legal and Ethical Issues in Education

#### **GENERAL TRACK**

##### **Required Courses**

15 credit hours in education courses, including

1. Foundations courses: EDUC F205 or H340 (3 cr.)
2. One of the following developmental/learning courses or course sequences:
  - P248 (3 cr.)
  - P251 and M101 (4 cr.)
  - P254 and M201 (5 cr.)
  - P312 and P313 (6 cr.)
  - P314 (3 cr.)
3. Select additional course work from the following courses for a total of at least 15 credit hours. At least 6\*\* credit hours must be at the 300–400 level. All courses below are 3 credits unless otherwise noted.

##### **General Education**

- \*EDUC F200 Examining Self as Teacher
- EDUC G203 Communication in the Classroom

##### **Educational Psychology**

- \*EDUC P251 Educational Psychology for Elementary Teachers AND
- EDUC M101 Field Experience (1 cr.)
- \*EDUC P248 Development of the Healthy Student

- \*EDUC P254 Educational Psychology for Teachers of All Grades
- EDUC M201 Field Experience (1 cr.)
- \*EDUC P312 Learning Theory into Practice AND
- \*EDUC P313 Adolescents in a Learning Community
- EDUC P314 Life Span Development
- PSY P315 Developmental Psychology

##### **Foundations of Education**

- \*EDUC F205 Study of Education & the Practice of Teaching
- EDUC F401 Topical Exploration in Education (1–3 cr.)
- \*EDUC H340 Education and American Culture

##### **Art Education**

- \*EDUC M135 Self Instruction in Art (1–3 cr.)
- \*EDUC M200 Artifacts, Museums & Everyday Life

##### **Computer Education**

- \*EDUC W200 Using Computers in Education
- EDUC W210 Survey of Computer Based Education
- EDUC W220 Technical Issues in Computer Based Education

##### **Mathematics Education**

- EDUC M302 Algebra Throughout the Secondary Curriculum (P: M301 or M303; C: T403) (1 cr.)
- EDUC M302 Math Modeling Throughout the Secondary Curriculum (C: M447) (1 cr.)
- EDUC M302 Calculus Throughout the Secondary Curriculum (C: M212) (1 cr.)
- EDUC M302 Probability and Statistics Throughout the Secondary Curriculum (C: M365) (1 cr.)

##### **Multicultural Education**

- \*EDUC E300 Elementary Education for a Pluralistic Society OR
- \*EDUC M300 Teaching in a Pluralistic Society
- EDUC T450 Cultural/Community Forces and the Schools

##### **Special Education**

- \*EDUC K205 Introduction to Exceptional Children

##### **Individualized Research (by arrangement with individual faculty)**

- EDUC K490 Research in Special Education (1–3 cr.)
- EDUC E490 Research in Elementary Education (1–3 cr.)
- EDUC L490 Research in Language Education (1–3 cr.)
- EDUC P490 Research in Educational Psychology (1–3 cr.)
- EDUC S490 Research in Secondary School (1–3 cr.)
- EDUC W450 Research in Instructional Computing (1–6 cr.)
- EDUC X490 Research in Language Education (1–6 cr.)

\*Courses marked with a single (\*) asterisk meet teacher education program requirements as specified.

**\*\***Students in the College of Arts and Sciences are required to complete at least 9 credit hours of 300–400 level courses within a minor.

### **Teacher's Certificate**

With very careful planning, a student may, in four years, earn a teacher's certificate for senior high/junior high/middle school and complete the requirements for a Bachelor's degree in the College of Arts and Sciences. For details, please speak to an advisor in the department in the College that offers your major and to an advisor in the School of Education.

Most undergraduate professional education courses numbered 301 and above (except H340, K306, P312, and P313) are closed to students who have not been admitted to the Teacher Education Program. Students are encouraged to apply for admission to the Teacher Education Program during the first semester of their junior year. Criteria for admission are:

- An overall grade point average of 2.500 or higher.
- Successful completion of the state-mandated Pearson CASA (Core Academic Skills Assessment) reading, writing, and mathematics.
- Completion of at least 21 credit hours of course work in the major (15 credit hours completed and a maximum of 6 credit hours in progress) with a 2.500 (except mathematics 2.000) or higher grade point average.
- Successful completion of or enrollment in Education M300, P312, P313, and W200 for secondary students.
- Applications to start authorized classes in the spring semester must be submitted at <https://info.educ.indiana.edu/teachered/> by October 1; applications to start in the fall semester must be submitted by March 1.

### **Minimum Academic Standards for Licensing**

- An overall grade point average of 2.500 or higher.
- A grade point average of 2.500 or higher (2.000 for mathematics) in all courses in the content field (major).
- A grade point average of 2.500 or higher in all professional education courses and no grade lower than C.
- Successful completion of Developmental Area Assessments (Pedagogy) and Content Area Assessments in the field (major).
- Successful completion of all program course work requirements.
- Successful candidates apply to the State of Indiana for an initial secondary teaching license at the Middle School/Junior High/Senior High settings.

All secondary programs are under revision. Please contact a School of Education advisor at (812) 856-8500 or [edhelp@indiana.edu](mailto:edhelp@indiana.edu) for accurate and current information.

## **School of Public Health— Bloomington**

**Note:** The following four requirements apply to minors offered and transcribed by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

The School of Public Health—Bloomington (SPH) offers 8 minors that are available to students from the College of Arts and Sciences:

- Exercise Science
- Fundraising and Resource Development
- Gerontology
- Global Health Promotion
- Human Development and Family Studies
- Nutrition
- Public Health
- Youth Development

College students interested in earning one of the above minors may contact the minor advisor for more information.

### **Exercise Science Minor (18 cr.)**

Academic Advisor: Carolyn Estell, [cmunk@indiana.edu](mailto:cmunk@indiana.edu); Academic Advisor: Donna Lane, [dglane@indiana.edu](mailto:dglane@indiana.edu)

### **Exercise Science Core Course (3 cr.)**

Complete the following course:

- SPH-K 150 Introduction to Kinesiology and Public Health (3 cr.)

### **Exercise Science Elective Courses (15 cr.)**

Complete 15 credit hours from the following courses:

- SPH-K 205 Structural Kinesiology (3 cr.)
- SPH-K 391 Biomechanics (3 cr.)
- SPH-K 398 Adapted Physical Education (3 cr.)
- SPH-K 405 Exercise and Sport Psychology (3 cr.)
- SPH-K 409 Basic Physiology of Exercise (3 cr.)
- SPH-K 452 Motor Learning (3 cr.)
- SPH-K 490 Motor Development and Learning (3 cr.)

### **Fundraising and Resource Development Minor (18 cr.)**

Academic Advisor: Rasul Mowatt, [ramowatt@indiana.edu](mailto:ramowatt@indiana.edu)

#### **Note:**

- Students must complete a minimum of 9 credits at the 300/400 level.
- An internship (SPH-R 499) is strongly recommended for all minor students.

### **Fundraising and Resource Development Core Courses (5 cr.)**

Complete the following two courses:

- SPH-R 101 Introduction to Resource Development/ Fundraising (3 cr.)
- SPH-R 201 Annual Giving (2 cr.) (Spring semester only)

### **Fundraising and Resource Development Elective Courses (4 cr.)**

Complete two of the following courses:

- SPH-R 202 Major Gifts and Planned Giving (2 cr.)
- SPH-R 203 Development Services (2 cr.)
- SPH-R 301 Capital Campaigns (2 cr.)

### **Ethics Elective Course (3 cr.)**

Complete one of the following courses:

- LSTU-L 314 Ethical Dilemmas in the Workplace (3 cr.)
- PHIL-P 140 Introduction to Ethics (3 cr.)
- REL-R 170 Religion, Ethics, and Public Life (3 cr.)

### **Writing and Public Speaking Elective Course (3 cr.)**

Complete one of the following courses:

- BUS-C 104 Business Presentations (3 cr.)
- COLL-P 155 Public Oral Communication (3 cr.)
- CMCL-C 122 Interpersonal Communication (3 cr.)
- CMCL-C 228 Argumentation and Public Advocacy (3 cr.)
- CMCL-C 229 Ways of Speaking (3 cr.)
- ENG-W 231 Professional Writing Skills (3 cr.)
- ENG-W 240 Community Service Writing (3 cr.)
- ENG-W 270 Argumentative Writing (3 cr.)
- JOUR-J 200 Reporting, Writing, and Editing (3 cr.)
- THTR-T 120 Acting I: Fundamentals of Acting (3 cr.)

### **Social Organization and Behavior Elective Course (3 cr.)**

Complete one of the following courses:

- ANTH-E 105 Culture and Society (3 cr.)
- HIST-A 307 American Cultural History (3 cr.)
- HIST-A 347 American Urban History (3 cr.)
- POLS-Y 105 Introduction to Political Theory (3 cr.)
- POLS-Y 308 Urban Politics (3 cr.)
- POLS-Y 326 American Social Welfare Policy (3 cr.)
- SOC-S 215 Social Change (3 cr.)
- SOC-S 217 Social Inequality (3 cr.)
- SOC-S 360 Topics in Social Policy (3 cr.)  
(Appropriate topics)
- SPEA-V 221 Nonprofit and Voluntary Sector (3 cr.)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)

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### **Gerontology Minor (15 cr.)**

Academic Advisor: Shannon Stryjewski,  
[sstryjew@indiana.edu](mailto:sstryjew@indiana.edu)

**Note:** Two prerequisite courses, SPH-F 150 and SPH-F 258 or their equivalents, are required for this minor. For this reason, an additional 6 credit hours will be required for students without any background in life span development or family interaction.

### **Gerontology Core Courses (9 cr.)**

Complete each of the following courses:

- SPH-B 315 Health in the Later Years (3 cr.)
- SPH-B 354 Multidisciplinary Perspectives in Gerontology (3 cr.)

- SPH-F 348 Human Development III: Early, Middle, and Late Adulthood (3 cr.)

### **Gerontology Elective Course I (3 cr.)**

Complete one of the following courses:

- SPH-B 335 Aging, Health, and Diverse Populations (3 cr.)
- SPH-B 403 Public Health Program Planning (3 cr.)
- SPH-F 453 Family Life Education (3 cr.)

### **Gerontology Elective Course II (3 cr.)**

Complete any one course from the following which was not used above:

- SPEA-H 320 Health Systems Administration (3 cr.)
- SPH-B 335 Aging Health, and Diverse Populations (3 cr.)
- SPH-B 403 Public Health Program Planning (3 cr.)
- SPH-F 150 Introduction to Life Span Human Development (3 cr.)
- SPH-F 255 Human Sexuality (3 cr.)
- SPH-F 453 Family Life Education (3 cr.)
- SPH-F 460 Grief in the Family Context (3 cr.)
- SPH-H 220 Death and Dying (3 cr.)
- SPH-N 331 Life Cycle Nutrition (3 cr.)
- SPH-R 381 Leisure and Aging (3 cr.)
- SPH-R 382 Therapeutic Interventions with the Elderly2 (3 cr.)
- SPHS-S 307 Cognitive and Communicative Aspects of Aging (3 cr.)
- A COLL Critical Approaches course may be taken as an elective with advisor approval.

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### **Global Health Promotion Minor (15 cr.)**

Academic Advisor: Theresa Hitchcock,  
[thehitch@indiana.edu](mailto:thehitch@indiana.edu)

### **Required Global Health Courses (12 cr.):**

Complete each of the following courses:

- SPH-B 310 Health Care in Diverse Communities
- SPH-H 172 International Health and Social Issues
- SPH-H 311 Human Diseases and Epidemiology
- SPH-H 319 Global Health Promotion

### **Global Health Elective Course (3 cr.):**

Complete one of the following courses:

- SPH-B 150 Introduction to Public Health
- SPH-B 335 Aging, Health, and Diverse Populations
- SPH-H 445 Travel Study (must be foreign destination) (Recommended)
- SPH-N 331 Life Cycle Nutrition
- SPH-O 412 Ecotourism: Administration and Management
- SPH-T 411 International Meeting Planning

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### **Human Development and Family Studies Minor (15 cr.)**

Academic Advisor: Shannon Stryjewski,  
[sstryjew@indiana.edu](mailto:sstryjew@indiana.edu)

### **Human Development and Family Studies Core Courses (6 cr.)**

Complete the following two courses:

- SPH-F 150 Introduction to Life Span Development (3 cr.)
- SPH-F 258 Marriage and Family Interaction (3 cr.)

### **Human Development and Elective Course (3 cr.)**

Complete one of the following courses:

- SPH-F 346 Human Development I—Conception through Early Childhood (3 cr.)
- SPH-F 347 Human Development II—Middle Childhood through Adolescence (3 cr.)
- SPH-F 348 Human Development III—Early, Middle, and Late Adulthood (3 cr.)

### **Human Development and Family Studies Elective Courses (6 cr.)**

Complete two of the following courses:

- SPH-F 341 Effects of Divorce on Children (3 cr.)
- SPH-F 345 Parent-Child Interaction (3 cr.)
- SPH-F 370 Family Health and the Media (3 cr.)
- SPH-F 417 African American and Latino Families (3 cr.)
- SPH-F 453 Family Life Education (3 cr.)
- SPH-F 457 Stress and Resilience in the Family (3 cr.)
- SPH-F 460 Grief in a Family Context (3 cr.)

### **Nutrition Minor (15 cr.)**

Academic Advisor: Gwenette Gaddis,  
[gqgaddis@indiana.edu](mailto:gqgaddis@indiana.edu)

#### **Nutrition Core Courses (6 cr.)**

Complete each of the following courses:

- SPH-N 120 Introduction to Foods (3 cr.)
- SPH-N 220 Nutrition for Health (3 cr.) or SPH-N 231 Human Nutrition (3 cr.)

#### **Nutrition Elective Courses (9 cr.)**

Complete three of the following courses:

- SPH-N 320 Food Chemistry (3 cr.)
- SPH-N 331 Life Cycle Nutrition (3 cr.)
- SPH-N 350 Topical Seminar in Nutrition/Dietetics (3 cr.) Approved topics: Nutrition in the Community; Diet, Exercise, and Fitness
- SPH-N 430 Advanced Nutrition I (3 cr.)
- SPH-N 432 Advanced Nutrition II (3 cr.)
- SPH-N 480 Mechanisms of Nutrient Action in the Body (3 cr.)

### **Public Health Minor (15 cr.)**

Academic Advisor: Theresa Hitchcock,  
[thehitch@indiana.edu](mailto:thehitch@indiana.edu)

#### **Public Health Core Courses (12 cr.)**

Complete the following four courses:

- SPH-B 150 Introduction to Public Health (3 cr.)
- SPH-B 366 Community Health (3 cr.) (Fall)
- SPH-B 403 Principles of Public Health Program Planning (3 cr.) (P: C 366 and Junior or Senior status)

- SPH-H 311 Human Disease and Epidemiology (3 cr.)

#### **Public Health Elective Course (3 cr.)**

Complete one of the following courses:

- SPH-B 310 Health Care in Diverse Communities (3 cr.) (Fall)
- SPH-B 354 Multidisciplinary Perspectives on Gerontology (3 cr.)
- SPH-F 150 Introduction to Life-Span Human Development (3 cr.)
- SPH-F 255 Human Sexuality (3 cr.)
- SPH-F 258 Marriage and Family Interaction (3 cr.)
- SPH-F 350 Topical Seminar in Human Development and Family Studies (repeatable with different topics), or SPH-F 341 Effects of Divorce on Children (Spring), or SPH-F 345 Parent/Child Relations (P: SPH-F 150 and F258 or equivalent), or SPH-F 355 Leading Family Process Discussion Groups (P: SPH-F 258 with a grade of B or higher; interview with professor)
- SPH-H 163 Emerging Health Issues (repeatable with different topics) (3 cr.)
- SPH-H 172 International Health and Social Issues (3 cr.)
- SPH-H 174 Prevention of Violence in American Society (3 cr.)
- SPH-H 180 Stress Prevention and Management (3 cr.)
- SPH-H 220 Death and Dying (3 cr.) (Spring)
- SPH-H 234 Prevention of Cardiovascular Disease (3 cr.)
- SPH-H 263 Personal Health (3 cr.)
- SPH-H 305 Women's Health (3 cr.)
- SPH-H 306 Men's Health (3 cr.)
- SPH-H 315 Consumer Health (3 cr.)
- SPH-H 318 Drug Use in American Society (3 cr.)
- SPH-H 320 The Nature of Cancer (3 cr.)
- SPH-H 326 AIDS and Other STDs (3 cr.) (Summer only)
- SPH-H 350 Topical Seminar in Health Education (3 cr.) (repeatable with different topics)
- SPH-H 351 Complementary and Alternative Approaches to Health (3 cr.) (Fall)
- SPH-H 381 Introduction to Health Information and Statistics (3 cr.)
- SPH-H 385 Practicum in College Death Education (3 cr.)
- SPH-H 395 Practicum in College: Sex Education (3 cr.) (P: Permission of instructor)
- SPH-H 418 The Nature of Addiction (3 cr.) (Fall)
- SPH-H 445 Travel Study (3 cr.)
- SPH-H 464 Coordinated School Health Programs (3 cr.)
- SPH-H 494 Research and Evaluation Methods in Health and Safety (3 cr.)
- SPH-N 220 Nutrition for Health (or N231) (3 cr.)
- SPH-N 331 Life Cycle Nutrition (3 cr.) (Spring)
- SPH-N 336 Community Nutrition (3 cr.) (P: SPH-N 220 or N231) (Fall)
- SPH-S 350 Topical Seminar in Safety Education (3 cr.)

## Youth Development Minor (16 cr.)

Academic Advisor: Shannon Stryjewski,  
[sstryjew@indiana.edu](mailto:sstryjew@indiana.edu)

### Youth Development Core Courses (10 cr.)

Complete the following four courses:

- SPH-F 150 Introduction to Life Span Human Development (3 cr.)
- SPH-F 180 Survey of Practice in Youth and Family (3 cr.)
- SPH-L 102 Participant Leadership Development (1 cr.)
- SPH-R 311 Management in Recreation, Park and Tourism (3 cr.)

### Youth Development Elective Courses (6 cr.)

Compete two of the following courses:

- EDUC-P 313 Adolescents in a Learning Community (3 cr.)
- SPH-F 341 Effects of Divorce on Children (3 cr.)
- SPH-F 345 Parent-Child Relations (3 cr.)
- SPH-F 346 Human Development I: Conception through Early Childhood (3 cr.)
- SPH-F 347 Human Development II: Middle Childhood through Adolescence (3 cr.)
- SPH-F 417 African American and Latino Families (3 cr.)
- SPH-F 453 Family Life Education (3 cr.)
- SPH-F 457 Stress and Resilience in the Family (3 cr.)
- SPH-F 458 Family Law and Policy (3 cr.)
- SPH-H 350 Topical Seminar in Health Education (3 cr.) Approved topic: Teaching Methods in Human Sexuality Education

## School of Informatics and Computing

### Introduction

Although the Department of Computer Science is part of the School of Informatics and Computing, the B.A. and the minor in Computer Science are issued through the College. Students pursuing the B.A. or the minor will be subject to rules established for other students in the College, while specific requirements for the major and minor will be jointly determined by the College and the School of Informatics and Computing.

Courses that make up the B.A. and the minor in Computer Science count as "inside hours" for College students. For information about these courses, see <http://www.soic.indiana.edu/undergraduate/courses/index.php>. Students pursuing the B.A. in Computer Science can also obtain a minor in business.

In addition, the School of Informatics and Computing offers four minors and one certificate that the College will transcript. The courses that make up these four minors and certificate count as "outside hours" for College students.

### Major in Computer Science—B.A.

Although the Department of Computer Science is part of the School of Informatics and Computing, the B.A. in

Computer Science is issued through the College. Students pursuing the B.A. will be subject to rules established for other students in the College, while specific requirements for the major will be jointly determined by the College and the School of Informatics and Computing.

For additional information and clarification, please read carefully this section of the *Bulletin* and contact Iza Kenney, the Computer Science advisor in the College of Arts and Sciences, at 856-0052; [imziolko@indiana.edu](mailto:imziolko@indiana.edu).

### Required Courses

Students must complete the following:

1. All four computer science core classes: C211, C212, C241, and C343 or corresponding H versions. Honors versions (labeled H) of each core course are available in selected semesters.
2. A total of 30 hours (including item 1 above) with the remainder chosen from the following list. At least 18 credit hours must be at the 300 level or above.
  - CSCI C, P, H, and B courses numbered 200 and above
  - CSCI Y390, Y391, Y399, Y499 (at most 6 hours)
  - CSCI H498 (at most 1 hour) Honors Seminar
  - INFO I101 (if completed before or concurrently with C212)
  - INFO Y395 Career Development (at most 1 hour)
  - INFO I494/I495 (or H versions) Capstone project
  - Math M471, M472 Numerical Methods
3. Mathematics M211 or M118
4. In addition to item 3 (above), one mathematical science and one of the following courses:
  - Mathematical science
  - Foundations
  - Statistics

Students must complete the degree requirements of the College of Arts and Sciences.

### Foundations Courses

The phrase "foundations courses" refers to computer science courses B401, B403, and P415.

### Mathematical Science Courses

The phrase "mathematical science courses" refers to Mathematics M118, M211, M212, M213, M301, M303, M311, M312, M343, M348, M371, M384, M391, M405, or M409, or Philosophy P250, P251, P350, or P352.

### Statistics Courses

The phrase "statistics courses" refers to Mathematics M360, M365, or Statistics S320, or Economics E370.

### B.A. in Computer Science with Honors

The computer science honors program gives outstanding students the opportunity to pursue a challenging undergraduate program of courses, independent study, and research leading to departmental honors. Students must satisfy the requirements for the B.A. in computer science and the following additional requirements:

1. Computer science courses must include at least 11 credit hours of honors courses (H courses or Y499).
2. Computer science courses must include at least one of the following:
  - Y499, leading to an honors thesis.
  - A "programming-in-the-large" (P) course.
  - A graduate-level computer science course (500 level or above).

Computer science majors with a minimum grade point average of 3.300 in computer science courses as well as a minimum overall grade point average of 3.300 may apply for admission to the honors program. Ordinarily this is done during the second semester of the sophomore year or the first semester of the junior year by contacting the undergraduate advisor.

Students must complete the degree requirements of the College of Arts and Sciences.

### **Minor in Business**

Available to students who are pursuing a B.A. in Computer Science.

**Note:** The following four requirements apply to minors offered and transcribed by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

### **Required Courses**

Students earning a B.A. degree with a major in computer science may obtain a minor in business by successfully completing: Business A200 (or equivalent), L201, CSCI C211, and four of the following five courses: F300, M300, P300, Z302, or G300.

### **Minor in Computer Science**

Although the Department of Computer Science is part of the School of Informatics and Computing, the minor in Computer Science is issued through the College. Students pursuing the minor will be subject to rules established for other students in the College, while specific requirements for the minor will be jointly determined by the College and the School of Informatics and Computing. The required courses for this minor count as "inside hours" for College students.

The following four requirements apply to minors offered and transcribed by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;

4. students must complete at least 9 credit hours at the 300–400 level.

### **Required courses**

Students must complete a minimum of 15 credit hours in the College of Arts and Sciences and/or the School of Informatics and Computing to include the following: C211, C212, C241, and either C335 or C343.

### **Four Outside Minors and One Certificate**

Students pursuing a Bachelor's degree from the College of Arts and Sciences can obtain one of four "outside minors" and one certificate offered and administered by the School of Informatics and Computing. The courses that make up these "outside minors" and certificate do not count as inside hours for College students.

**Note:** The following four requirements apply to minors and certificates offered and transcribed by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

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### **Minors and certificate on this page:**

- Human-Centered Computing
  - Informatics
  - Information Technology
  - Security Informatics
  - Certificate in Informatics
- 

### **Minor in Human-Centered Computing**

**Note:**

- Students must successfully complete a minimum of 15 credit hours;
- Students must earn a grade of C or higher in INFO-I 101;

### **Required Courses**

- INFO-I 101 Introduction to Informatics (4 cr.)  
**OR** CSCI-A 110 Introduction to Computers and Computing (3 cr.)
- INFO-I 202 Social Informatics (3 cr.) **OR** INFO-I 222 The Information Society
- INFO-I 300 HCI/Interaction Design (3 cr.)

**Students must complete TWO electives from the following:**

- CSCI-A 216 Digital Multimedia Concepts and Technologies (3 cr.)
- INFO-I 303 Organizational Informatics (3 cr.)
- INFO-I 310 Multimedia Arts and Technology (3 cr.)
- INFO-I 330 Legal and Social Informatics of Security (3 cr.)
- INFO-I 356 Globalization, Where We Fit In (3 cr.)
- INFO-I 440 Human–Robot Interaction
- INFO-I 441 Interaction Design Practice (3 cr.)
- INFO-I 453 Computer and Information Ethics (3 cr.)

- INFO-I 399/INFO-I 400 Topics\* in Informatics (with permission of the Director for Undergraduate Studies)

\*Only one approved topics course counts toward the minor.

### **Minor in Informatics**

#### **Note:**

- Students must successfully complete five courses for a minimum of 17 credit hours. At least two of the five courses must be at the 300–400 level.
- Students must earn a grade of C or higher in INFO-I 101 and a grade of C– or higher in all other courses for the minor.

#### **Required Course**

- INFO-I 101 Introduction to Informatics (4 cr.)

#### **A programming course selected from the following:**

- INFO-I 210 Information Infrastructure I
- CSCI-A 201 Introduction to Programming I
- CSCI-C 211 Introduction to Computer Science

#### **Three additional Informatics courses:**

- At least two of these courses must be at the 300–400 level. Excludes INFO-I 110, I111, I130, T100, Y100 and Y395. Independent study, internship and capstone courses may only be counted with approval of the Director of Undergraduate Studies.

### **Minor in Information Technology**

#### **Note:**

- Computer science majors are not eligible for this minor;
- Students must successfully complete a minimum of 15 credit hours.

#### **Required Courses**

- CSCI-A 338 Network Technologies and Administration (4 cr.)
- One of the following options:
  - CSCI-A 201 Introduction to Programming I (4 cr.) and CSCI-A 202 Introduction to Programming II (4 cr.); **OR**
  - CSCI-C 211 Introduction to Computer Science (4 cr.) and CSCI-C 212 Introduction to Software Systems (4 cr.); **OR**
  - INFO-I 210 Information Infrastructure I (4 cr.) and INFO-I 211 Information Infrastructure II (4 cr.).

#### **Select TWO courses from the following:**

- CSCI-A 216 Digital Multimedia Concepts and Technologies (3 cr.)
- CSCI-A 321 Computing Tools for Scientific Research (4 cr.)
- CSCI-A 348 Mastering the World Wide Web (3–4 cr.)
- CSCI-A 290 Tools for Computing classes (1.5 cr. each) if not part of a CSCI-A 202 course—See advisor for this exception.

### **Minor in Security Informatics**

**Note:** Students must successfully complete a minimum of 16 credit hours:

#### **Required Courses (7 credit hours)**

- INFO-I 130 Introduction to Cybersecurity (1 cr.)
- INFO-I 230 Analytical Foundations of Security (3 cr.)
- INFO-I 231 Math Foundations of Cybersecurity (3 cr.)

#### **Additional Courses (9 credit hours selected from the following)**

- INFO-I 330 Legal and Social Informatics of Security (3 cr.)
- INFO-I 400 Topics in Informatics—when security related, approval required (3 cr.)
- INFO-I 430 Security for Networked Systems (3 cr.)
- INFO-I 433 Systems and Protocol Security and Information Assurance (3 cr.)
- INFO-I 453 Computer and Information Ethics (3 cr.)

### **Certificate in Informatics**

#### **Note:**

- Students must successfully complete a minimum of 8 courses:
- Any course in which a student earns a grade below C– may not be used to fulfill a requirement for the certificate;
- Students must earn a grade of C or higher in INFO-I 101;
- The grade point average of all courses taken in fulfillment of certificate requirements must be at least 2.000;
- CSCI majors may not count upper-level CSCI courses in this certificate if used to fulfill major requirements.

#### **Required Courses**

- INFO-I 101 Introduction to Informatics (4 cr.)
- INFO-I 201 Mathematical Foundations of Informatics (4 cr.)
- INFO-I 202 Social Informatics (3 cr.) **OR** INFO-I 222 The Information Society (3 cr.)
- INFO-I 210 Information Infrastructure I (4 cr.)
- INFO-I 211 Information Infrastructure II (4 cr.)
- INFO-I 300 HCI/Interaction Design (3 cr.)
- INFO-I 308 Information Representation (3 cr.)
- One additional course from the list of informatics electives—please see the School of Informatics Undergraduate Academic Bulletin for a list of these courses.

### **School of Medicine**

The Medical Sciences Program offers a variety of courses that help prepare students for graduate study and careers in fields such as allied health, exercise science, medicine, dentistry, optometry and nursing. The courses offered are not required for entrance into medical school but are required for admittance to other professional schools.

For more information, please contact the Medical Sciences Office, Jordan Hall 104, (812) 855-0616, or visit the website at [www.bloomington.medicine.iu.edu](http://www.bloomington.medicine.iu.edu). Academic counseling information may be obtained from

the Director of Undergraduate Studies, Jordan Hall 010A, (812) 855-7723.

### **Minor in Medical Sciences**

Students earning a Bachelor's degree from the College of Arts and Sciences may obtain a minor from the School of Medicine. An overall GPA of at least 2.700 is required in course work toward the minor.

**Note:** The following four requirements apply to minors offered and transcribed by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

### **Required Courses**

College of Arts and Sciences students must complete at least 19 credit hours (16 for non-College of Arts and Sciences students) to include:

1. ANAT-A 215 (5 cr.) or BIOL-N 216 (offered at IUPUI)
2. PHS-L-P 215 (5 cr.) or BIOL-N 217 (offered at IUPUI);
3. An additional 9 credit hours from the following 300–400 level electives:
  - ANAT-A 464 Human Tissue Biology
  - ANAT-A 480 Human Anatomy for Medical Imaging
  - MSCI-M 131\* Disease and the Human Body **OR** MSCI M216\* Medical Science of Psychoactive Drugs **OR** MSCI M100 Current Topics in Biomedical Sciences\*
  - MSCI-M 300 Topics in Medical Sciences
  - MSCI-M 440 Health Care in America (a maximum of 3 credits may be included in the minor)
  - MSCI-M 450 Undergraduate Research in Biomedical Sciences
  - MSCI-M 470 Mechanisms of Human Disease
  - MSCI-M 480 Molecular Biology of Cancer: Cell Signaling and Fate
  - MSCI-M 485 Physiology of Human Disease
  - MSCI-M 490 Special Topics in Biomedical Sciences (a maximum of 3 credits may be included in the minor)
  - PHS-L-P 416 Comparative Animal Physiology
  - PHYS-P 314 Introduction to Medical Physics

\*Students in the College of Arts and Sciences may not include MSCI-M 131 or MSCI-M 216 in this minor. College of Arts and Sciences students must complete 9 credit hours at the 300–400 level; a choice of any 100-level elective will result in additional course work for the minor.

### **Note about Courses**

Although a Bachelor's degree is not offered in either anatomy or physiology, the courses listed above are undergraduate courses offered under the auspices of

the School of Medicine, Medical Sciences Program. All courses are offered on the Bloomington campus, unless otherwise specified. Note that all MSCI courses are listed in the [Schedule of Classes](#) under "Medical Sciences," while ANAT courses are listed under the header "Anatomy" and PHS-L courses are listed under "Physiology." Students should also see the entry for "Biology" in this *Bulletin*.

## **School of Optometry**

### **Introduction**

The School of Optometry offers a two-semester Certificate in Optometric Technology/Opticianry and three degree programs: the two-year Associate of Science degree in Optometric Technology/Opticianry for optometric technicians and opticians, the Doctor of Optometry program for the education of optometrists, and the graduate program in vision science, which leads to the Master of Science and Doctor of Philosophy degrees for those interested in research and teaching.

### **Optician/Technician Programs**

<http://www.optometry.iu.edu/academics/degrees/index.shtml>

Students completing either the certificate in Optometric Technology/Opticianry (29 credit hours) or the Associate of Science Degree in Optometry/Opticianry (60 credit hours) are qualified to begin a career as an optometric technician or an optician. The general nontechnical courses, such as English Composition and required electives, may be completed either before or after the optician/technician courses. An additional option allows students to become laboratory opticians by completing courses in lens surfacing and fabrication (optician's laboratory concentration).

### **Doctor of Optometry Program**

A student may be admitted to the school's Doctor of Optometry program after earning a Bachelor's degree or after completing a minimum of 90 credit hours in the College of Arts and Sciences. Major areas of concentration are typically in the physical, biological, or behavioral sciences, but other fields may be selected. General courses specifically required for admission to the optometry program are listed in the School of Optometry bulletin.

### **Bachelor's Degree—O.D. Program**

A student who is admitted to the School of Optometry after completing 90 credit hours in the College of Arts and Sciences and who has satisfied the Foundations, Intensive Writing, Foreign Language, Breadth of Inquiry, and major concentration requirements may apply 32 credit hours in optometry as electives toward the Bachelor's degree from the College. The requirements listed under "CASE Credit Hour and Residency Requirements" (under the section of this *Bulletin* entitled "Degree Requirements") are still in effect.

### **Courses for the Nonmajor**

- VSCI-V 250 The Miracle of Sight (3 cr.) Fall only
- TOPT-V 201 Anatomy and Physiology of the Eye (3 cr.) Fall only

## School of Public and Environmental Affairs

The School of Public and Environmental Affairs (SPEA) offers 12 minors on the Bloomington campus, and the College of Arts and Sciences has approved all 12 for its students. SPEA also offers a Certificate in Arts Administration. For information on the certificate, please see below. For information on the B.S. in Environmental Science (B.S.E.S.), see the section of this *Bulletin* entitled "Environmental Science."

A candidate for a Bachelor's degree in the College of Arts and Sciences must satisfactorily complete a minimum of 100 credit hours in courses offered by the College. Students may select the remaining 20 credit hours from courses in the College and/or from courses outside the College. For information about credit hours, please see the section of this *Bulletin* entitled "Courses Outside the College."

The minors are:

- Education Policy
- Environmental Management
- Environmental Science and Health
- Health Systems Administration
- Human Resources
- Information Systems
- Law and Public Policy
- Management
- Nonprofit Management
- Policy Studies
- Public and Environmental Affairs
- Public Finance

**Note:** The following four requirements apply to minors and certificates offered and transcribed by the College:

1. any course in which the student receives a grade below C- cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

### The following requirements also apply to College students pursuing SPEA minors:

- College of Arts and Sciences students may choose to earn only one of the following SPEA minors;
- students interested in earning one of these minors must fill out a form in the SPEA Undergraduate Program Office (SPEA 240) before the minor can be added to their academic record;
- College students are held to the course lists published below and will not be allowed course substitutions;

### Requirements for the Minor in Education Policy

The minor in Education Policy is jointly administered by the School of Education and the School of Public and Environmental Affairs.

1. EDUC-H 200
2. One course from EDUC-H 205, EDUC-H 340, LATS-L 380, SOC-S 312, or SOC-S 409.
3. One course from SPEA-V236 or V241, V263, V336 or V366, or V473.
4. One course from SPEA-V370, V372, V379, V246, V361 (P: V246), V401 (P: V361), or V449
5. EDUC-A 308

### Requirements for the Minor in Environmental Management

1. SPEA E272 and E363.
2. One of the following courses: SPEA E311, E340, E465, E466, or E476.
3. Two additional courses chosen from number 2 above or from the following courses: SPEA E325, E355, E400 (may be repeated for credit with advisor approval), E410, E411, E412, E419, E422, E431, E440, E451, E452, E456, E457, E460, E461, E475, H316, V401, V435.

### Requirements for the Minor in Environmental Science and Health

1. SPEA E272 and H316.
2. Three of the following courses: SPEA E311, E316, E324, E375, E410, E431, E451, E452, or other courses in Environmental Science approved by a SPEA advisor.

### Requirements for the Minor in Health Systems Administration

1. SPEA H124 and V373.
2. Three of the following courses: SPEA H352, H353, H354, H401, H402, H411, H432, H455 (may be repeated for credit with advisor approval), H456, V432.

### Requirements for the Minor in Human Resources

1. Each of the following courses: SPEA V236 or V366, V373, V432 and V450 (Approved topic: Strategic Human Resource Management).
2. One of the following courses: SPEA V435, V436, V443, V450 (approved topics only—may be repeated for credit with advisor approval), V463.

### Requirements for the Minor in Information Systems

1. Each of the following courses: SPEA V261, V369, and V475.
2. Two of the following courses: SPEA E325, E418, E419, V348, V450 (approved topics only—may be repeated for credit with advisor approval), V461, V465, or other courses approved by a SPEA advisor.

### Requirements for the Minor in Law and Public Policy

1. SPEA V220 and V260.
2. Three of the following courses; one of these courses can be a SPEA-V 450 taught by the Maurer School of Law faculty (for example, Public Law and the Courts; Data, the Law, and Public Policy), SPEA E476, H341, V377, V405, V406, V407, V435, V456, V478.

### Requirements for the Minor in Management

1. SPEA V160 or V161.
2. SPEA V263.

3. Three of the following courses: SPEA V220, V236 or V241, V336 or V366, V340, V361, V362, V368, V369, V372, V373, V432, V435, V436, V443, V450 (approved topics only—may be repeated for credit with advisor approval), V463, V465, V475.

#### **Requirements for the Minor in Nonprofit Management**

1. SPEA V160 or V161.
2. SPEA V362.
3. Three of the following courses: SPEA H124, V221, V263, V340, V356, V361, V436, V441, V442, V450 (approved topics only—may be repeated for credit with advisor approval), V458, V462, V463.

#### **Requirements for the Minor in Policy Studies**

1. SPEA V160 or V161.
2. Four of the following courses: SPEA V348, V370, V386, V401, V449.

#### **Requirements for the Minor in Public and Environmental Affairs**

1. SPEA V160 or V161.
2. SPEA E162 or E272.
3. Three of the following courses: SPEA E272 (if not used above), E400 (may be repeated for credit with advisor approval), V220, V236 or V241, V263, V336 or V366, V373, V432, V444, V450 (approved topics only—may be repeated for credit with advisor approval) or other courses in Public and Environmental Affairs approved by an advisor.

#### **Requirements for the Minor in Public Finance**

1. All of the following courses: SPEA V246, V346, V361, V372.
2. One additional course chosen in consultation with a SPEA advisor.

#### **Certificate in Arts Administration**

The School of Public and Environmental Affairs offers the Certificate in Arts Administration to provide undergraduate students in the College of Arts and Sciences and the Jacobs School of Music with a coordinated set of course work and experiences in arts administration to complement their primary interest in the performing or visual arts. The course work for the Certificate in Arts Administration expands students' management skills and opportunities for employment while enhancing their applied experiences in the arts.

Students applying for the Certificate in Arts Administration must have completed at least 24 undergraduate credits at Indiana University and compiled a cumulative grade point average of 3.000 or higher. Certificate students are expected to have a solid background in either the performing or visual arts.

#### **Certificate Requirements (21 credit hours):**

1. All of the following three courses: SPEA A354, SPEA V220, and SPEA V362.
2. One of the following courses: SPEA V246, SPEA V372, SPEA V373, BUS L201, or BUS L250.
3. 9 credit hours from the following courses: SPEA A163, SPEA A236, SPEA A241, SPEA A336, SPEA A405, SPEA A450 (topics vary by semester and can be repeated for credit), SPEA A459, SPEA A464, SPEA V361, SPEA V380 (student must

have internship approved by Arts Administration Department), SPEA V438, SPEA V458, AADM Y412, AMID F402, AMID F403, ANTH A401, ANTH A403, FINA U400, THTR T428, BUS L315.

**Note:** Additional Arts Administration Program courses are still in development. For information, contact the SPEA Undergraduate Programs Office at (812) 855-0635 or [speaugrd@indiana.edu](mailto:speaugrd@indiana.edu).

## **School of Social Work**

### **Undergraduate Program**

The School of Social Work offers an undergraduate program leading to the Bachelor of Social Work (B.S.W.). The B.S.W. prepares students for entry-level social work positions in a variety of social service fields. In addition, graduates of this program who are admitted to many graduate programs may receive advance credit toward completion of the requirements for the degree of Master of Social Work.

All of the required social work courses for the B.S.W. degree are offered on the Indiana University campuses at Bloomington, Indianapolis (IUPUI), and Richmond (East).

### **Admission Requirements**

Students are admitted to the program each year on a competitive basis. The following are the minimum requirements for admission to the program:

- Regular admission to the university.
- Completion of at least 12 credit hours of college-level courses or two semesters of full-time study, including the required introductory course in social work (S141).
- A minimum cumulative grade point average of 2.500 on a 4.000 scale.
- Evidence of personal suitability and interest relevant to social work education. Such evidence may be derived from the application materials, letters of reference, pertinent work experience, and performance in the introductory course.

Applications may be submitted any time before the priority date of April 1 for admission the following fall semester. Application packets are available in the School of Social Work office and online each December. Admission decisions are made in late May, and students are notified about their applications in June.

For further information, call the School of Social Work Bloomington office, 1127 E. Atwater Avenue, (812) 855-4427, or visit the website ([bloomington.socialwork.iu.edu/](http://bloomington.socialwork.iu.edu/)).

**Note:** The following four requirements apply to minors offered and transcribed by the College:

1. any course in which the student receives a grade below C– cannot be used to fulfill a minor requirement;
2. the grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
3. students must complete at least 9 credit hours in the minor on the Bloomington campus;
4. students must complete at least 9 credit hours at the 300–400 level.

### **Minor in Social Welfare Advocacy (15 credit hours)**

#### **Requirements**

- SWK S100 Understanding Diversity in a Pluralistic Society
- SWK S141 Introduction to Social Work
- SWK S251 Emergence of Social Services (P: S141)
- SWK S352 Social Service Delivery Systems (P: S251)
- Any SWK S300 non-major social work class

### **Labor Studies Program: Minor in Labor Studies (15 credit hours)**

#### **Requirements**

6 credit hours must be selected from the following lower division courses:

- LSTU L100 Unions and Collective Bargaining (3 cr.)
- LSTU L101 American Labor History (3 cr.)
- LSTU L105 Contemporary Labor Problems (3 cr.)
- LSTU L110 Labor and Society (3 cr.)
- LSTU L200 Employment Law (3 cr.)
- LSTU L201 Labor Law (3 cr.)
- LSTU L203 Labor and the Political System (3 cr.)
- LSTU L230 Labor and the Economy (3 cr.)

In addition, 9 credit hours are required from the following:

- LSTU L315 The Organization of work (3 cr.) or SOC S315 Work and Occupations (3 cr.)
- LSTU L375 Comparative Labor Movements (3 cr.)
- LSTU L380 Theories of the Labor Movement (3 cr.)
- LSTU L385 Class, Race, Gender, and Work (3 cr.)
- LSTU L390 Topics in Labor Studies (3 cr.)  
(depending on the topic, and after consultation with faculty advisor within the College of Arts and Sciences)
- LSTU L480 Senior Seminar or Readings (3 cr.)  
(Topics vary)

### **Studying Abroad**

The College of Arts and Sciences encourages students to take part in programs of overseas study sponsored by Indiana University. For information about such programs, please see the section of this *Bulletin* entitled "Overseas Study Programs."

Students may also apply to programs administered by other institutions and organizations. Credits from non-Indiana University programs may be accepted as transfer credit, subject to the following conditions:

1. Indiana University admissions policy limits the acceptance of transfer credit from study-abroad to programs administered by a regionally accredited U.S. college or university, or by a foreign institution recognized by the ministry of education of the country as a university-level institution.
2. Credit can be awarded only upon receipt of an official transcript, or equivalent document, listing specific courses taken and grades assigned. The amount of credit awarded by overseas study may not exceed the number of credit hours that can be earned at Indiana University in the same amount of time.
3. The assignment of equivalent Indiana University course numbers or undistributed credit for course

work transferred from non-Indiana University overseas study programs is subject to the approval of the appropriate academic departments and an assistant dean of the College of Arts and Sciences.

4. Course work not approved for transfer as credit in a particular academic department may be accepted, with the approval of the College of Arts and Sciences, as College of Arts and Sciences foreign study credit. However, no more than 8 hours of such credit can be counted toward a degree in the College of Arts and Sciences.
5. In cases where courses taken abroad fall into a set sequence of courses at Indiana University, the relevant academic departments may at their discretion require examinations before any transfer credit is awarded. Specific examples include courses in foreign languages, applied music, music theory, mathematics, and natural sciences.
6. Overseas study programs vary greatly in quality. No transfer credit at all may be awarded for programs of uncertain quality, despite the issuance of a transcript.
7. Students denied transfer credit for overseas study may seek credit by examination, as outlined elsewhere in this bulletin.

To assure that credits can be accepted from a particular overseas program, students are urged to submit a Credit Transfer Agreement form to the Office of International Admissions prior to committing themselves to participating in the program. Forms may be obtained online from the Office of Overseas Study ([www.indiana.edu/~overseas/programs/noniu.shtml](http://www.indiana.edu/~overseas/programs/noniu.shtml)).

Under certain circumstances students may be permitted to use Indiana University financial aid toward programs sponsored by organizations other than Indiana University. Information and application forms may be obtained from the Office of Overseas Study, Leo R. Dowling International Center, 111 South Jordan Avenue, (812) 855-9304. For such an application to be approved, the course work undertaken overseas must be integral to the student's major program at Indiana University, and the application must be approved by the student's academic department and the Office of Overseas Study.