

INDIANA UNIVERSITY

2006–2008

College of Arts  
and Sciences

*Bloomington Campus*

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BLOOMINGTON

# INDIANA UNIVERSITY



When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. Indiana University is one of the nation's oldest and largest state universities, with eight campuses serving nearly 100,000 students. IU also offers courses through facilities at Columbus, Elkhart, and many other sites.

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Indiana University–Purdue University Indianapolis  
Indiana University East (Richmond)  
Indiana University–Purdue University Fort Wayne  
Indiana University Kokomo  
Indiana University Northwest (Gary)  
Indiana University South Bend  
Indiana University Southeast (New Albany)

2006–2008

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BULLETIN

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# Table of Contents

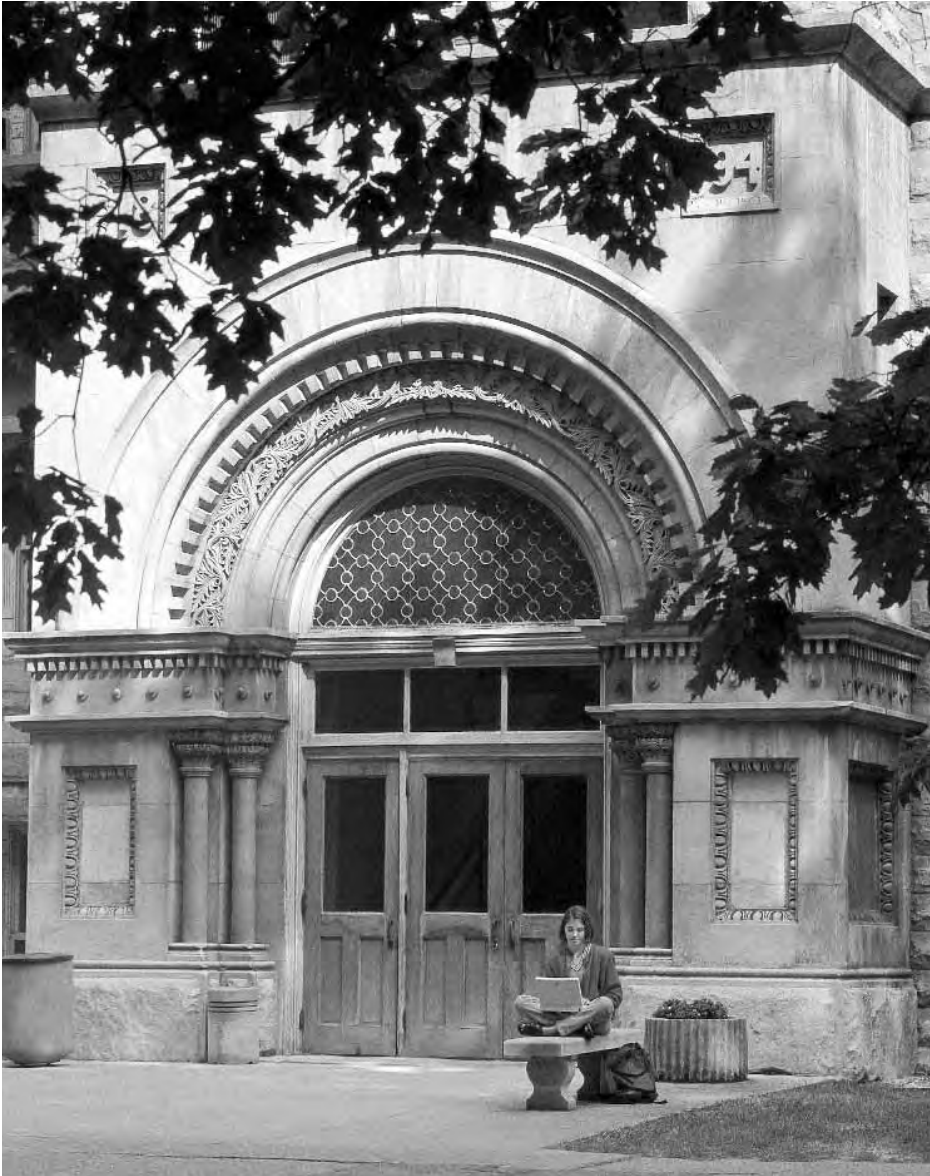
## 1 Degree Requirements

- 2 Liberal Learning at Indiana University
- 3 The College of Arts and Sciences: The Tradition
- 3 Admission to Indiana University
- 4 Equal Opportunity/Affirmative Action Policies of Indiana University
- 4 Entering the College of Arts and Sciences
- 4 Transfer Students
- 5 Students with Learning Disabilities
- 5 Degrees and Majors Offered
- 7 General Requirements for Bachelor's Degrees
- 8 Course Requirements for the Bachelor of Arts
- 9 Fundamental Skills Requirements
- 11 Distribution Requirements
- 11 Culture Studies Requirement
- 12 Major Concentration Requirements (B.A.)
- 13 College of Arts and Sciences Optional Minors
- 13 Completing Minor Requirements
- 14 Courses Outside the College of Arts and Sciences
- 14 Associate of Arts Degree (A.A.)
- 14 Student Information**
- 14 Program Planning and Counseling Guidelines**
- 15 Academic Regulations
- 17 Academic Standing of Students
- 18 Restart Policy
- 18 Special Opportunities for Students**
- 24 Student Records
- 24 Explanation of Abbreviations**
- 26 Departments, Programs, and Course Descriptions**
- 27 African American and African Diaspora Studies
- 35 African Studies
- 38 American Studies
- 41 Animal Behavior
- 43 Anthropology
- 54 Apparel Merchandising and Interior Design
- 59 Astronomy
- 62 Biology
- 74 Central Eurasian Studies
- 80 Chemistry
- 87 Chicano-Riqueño Studies
- 88 Classical Studies
- 93 Cognitive Science
- 99 Communication and Culture
- 105 Comparative Literature
- 111 Computer Science
- 115 Criminal Justice
- 120 East Asian Languages and Cultures
- 130 Economics
- 135 English
- 142 Environmental Science
- 144 Film Studies
- 145 Fine Arts (History)
- 146 Fine Arts (Studio)
- 158 Folklore and Ethnomusicology

- 162 French and Italian
- 170 Gender Studies
- 174 Geography
- 179 Geological Sciences
- 185 Germanic Studies
- 190 History
- 204 History and Philosophy of Science
- 208 Human Biology
- 209 India Studies
- 213 Individualized Major Program
- 214 International Studies Program
- 217 Jewish Studies
- 225 Latin American and Caribbean Studies
- 230 Latino Studies
- 231 Leadership, Ethics, and Social Action
- 232 Liberal Arts and Management Program
- 234 Linguistics
- 239 Mathematics
- 249 Medieval Studies
- 251 Near Eastern Languages and Cultures
- 255 Philosophy
- 260 Physics
- 265 Political Science
- 274 Poynter Center
- 275 Psychological and Brain Sciences
- 284 Religious Studies
- 291 Russian and East European Institute
- 295 Second Language Studies
- 295 Slavic Languages and Literatures
- 302 Sociology
- 309 Spanish and Portuguese
- 315 Speech and Hearing Sciences
- 321 Telecommunications
- TESOL Teaching English to Speakers of Other Languages (See "Second Language Studies")
- 329 Theatre and Drama
- 334 West European Studies
- 342 Special Courses and Programs**
- 342 Arts and Sciences Career Services
- 342 Direct Admit Program
- 342 Experimental Courses
- 343 Foreign Study
- 343 Freshman Interest Groups Program
- 343 Freshman Seminars
- 343 Groups Student Support Services Program
- 343 Hutton Honors College
- 344 Individual Readings and Research
- 344 Initiative for Maximizing Student Diversity
- 345 Intensive Freshman Seminars
- 345 Living-Learning Centers
- 345 Collins Living-Learning Center
- 346 Foster International
- 346 Global Village
- 347 McNair Scholars Program
- MEDIC-B Scholars Program (See "Initiative for Maximizing Student Diversity")
- 348 Special Skills Courses
- 348 The Topics Program
- 349 Additional Programs**
- 349 Approved Outside Minors
- 350 Kelley School of Business
- 351 Dentistry
- 351 Earth Science
- 352 Education

353 Environmental Studies  
353 Health, Physical Education, and Recreation  
356 Informatics  
356 Journalism  
357 Labor Studies  
357 Medicine  
358 Jacobs School of Music  
360 Optometry  
360 School of Public and Environmental Affairs  
361 Social Work  
362 Studying Abroad  
363 Urban Studies  
**365 Indiana University**

365 General Policies  
365 Undergraduate Admissions Policy  
366 Transfer to Other Indiana University  
Campuses  
367 Residency Status  
369 Fees  
**373 Appendices**  
373 Appendix I: Culture Studies Requirement  
Lists  
380 Appendix II: Approved Distribution  
Courses  
391 Appendix III: Topics-Qualified Courses  
**393 Index**



# Degree Requirements

- 2 Liberal Learning at Indiana University
- 3 The College of Arts and Sciences: The Tradition
- 3 Admission to Indiana University
- 4 Equal Opportunity/Affirmative Action Policy of Indiana University
- 4 Entering the College of Arts and Sciences
- 4 Transfer Students
- 5 Students with Learning Disabilities
- 5 Degrees and Majors Offered
- 7 General Requirements for Bachelor's Degrees
- 8 Course Requirements for the Bachelor of Arts
- 9 Fundamental Skills Requirements
- 11 Distribution Requirements
- 11 Culture Studies Requirement
- 12 Major Concentration Requirements (B.A.)
- 13 College of Arts and Sciences Optional Minors
- 13 Completing Minor Requirements
- 14 Courses Outside the College of Arts and Sciences
- 14 Student Information
- 14 Program Planning and Counseling Guidelines
- 15 Academic Regulations
- 17 Academic Standing of Students
- 18 Restart Policy
- 18 Special Opportunities for Students
- 24 Student Records

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## Liberal Learning at Indiana University

At the core of Indiana University, as at all distinguished universities and undergraduate institutions, is the College of Arts and Sciences. The College 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 are engaged in the discovery and dissemination of knowledge, thereby offering students an unusually rich opportunity to gain a liberal education.

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.

At Indiana University, the liberal arts curriculum of the College of Arts and Sciences directs its students to achieve 11 major goals:

1. Our students must achieve the **genuine literacy** required to read and listen effectively, and to speak and write clearly and persuasively.
2. The liberal arts teach students 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. By gaining **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. The curriculum of the College of Arts and Sciences helps students **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. A quality liberal arts education includes an **appreciation of literature and the arts** and the cultivation of the aesthetic judgment that makes possible the enjoyment and comprehension of works of the creative imagination.
6. Liberal arts students must **understand and practice 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. Mathematical and statistical studies teach arts and sciences students to **reason quantitatively**, a skill essential in an increasingly technological society.
8. A liberal education must **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. The College of Arts and Sciences emphasizes **the study of the international community** and encourages students 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. Students in the liberal arts **develop basic communication skills in at least one foreign language**, providing the fundamental skills for communicating with people from other cultures and offering insights into other patterns of thought and modes of expression.
11. The breadth of knowledge characteristic of a liberal arts education requires an **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 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.

These arts and sciences are preprofessional 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.

## The College of Arts and Sciences: The Tradition

The education offered by the College of Arts and Sciences is based on a tradition established when Indiana University was founded in 1820 as a liberal arts institution. What are now departments in the College served then as the core of the university from which all the other schools and units developed.

Today the College continues its central role in the mission of Indiana University. The College not only offers more than 50 baccalaureate majors leading to the Bachelor of Arts, the Bachelor of Science, and the Bachelor of Fine Arts degrees, but it also provides much of the general education for undergraduate students in the Schools of Continuing Studies; Education; Health, Physical Education, and Recreation; Informatics; Journalism; Public and Environmental Affairs; Social Work; the Kelley School of Business, and the Jacobs School of Music.

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 more than 185 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.

The present degree requirements of the College of Arts and Sciences relate these principles to the modern world. Fundamental skills courses in writing, mathematics, and foreign language provide opportunities for students to develop communication and computational skills for use in their own society as well as for use in understanding other societies. The Topics curriculum and distribution requirements are designed for 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. The culture studies requirement enables students to enrich their understanding of their neighbors in a shrinking world. These courses serve as the foundation upon which students can develop a major program of study.

Because of the richness and diversity of its more than 50 majors, the College offers students a variety of counseling services to help them take full advantage of their opportunities at Indiana University. Academic assistant deans in the College can answer specific questions or talk with students about their goals. 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, counselors in Arts and Sciences Career Services in the Career Development Center will help students understand how to combine their liberal arts education and their career goals in satisfying employment.

## Admission to Indiana University

Most incoming freshmen admitted to Indiana University first enter the University Division, which provides them with academic advising. Because freshmen are not usually admitted directly into a major, all freshmen are expected to meet the admission standards outlined in the freshman application materials. These materials and additional information are available from:

Office of Admissions  
300 N. Jordan Avenue  
Indiana University  
Bloomington, IN 47405  
(812) 855-0661

Web site: [www.indiana.edu/~iuadmit](http://www.indiana.edu/~iuadmit)

International students should request the International Application for Admission from:

International Admissions  
300 N. Jordan Avenue  
Indiana University  
Bloomington, IN 47405  
(812) 855-4306  
Web site: [www.indiana.edu/~iuadmit](http://www.indiana.edu/~iuadmit)

### Equal Opportunity/Affirmative Action Policy of Indiana University

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 consideration of such characteristics as age, color, disability, ethnicity, gender, 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 Vietnam-era veterans.

The university director of affirmative action is responsible for carrying out the affirmative action program for units in central administration. In addition, there is an affirmative action officer on each campus who develops and administers the program there.

## Entering the College of Arts and Sciences

Although freshmen generally spend their first year in the University Division, the College of Arts and Sciences encourages them to visit departments in which they are interested to discuss possible programs with faculty members and academic advisors. Freshmen planning to earn bachelor's degrees in the College can begin to satisfy degree requirements in the first year.

**Declaring a Major in the College** Students who wish to earn a major in the College of Arts and Sciences must complete 26 credit hours of course work that can count toward a degree in the College with a minimum cumulative College of Arts and Sciences grade point average of 2.000. Students must also complete the English composition requirement. When students in the University Division have satisfied the entry requirements, they will be certified to the major department listed on their record. To declare or change the major listing, students in the University Division should see their freshman

advisor or go to the University Division Records Office, Maxwell Hall 030.

**Changing Majors** Once in the College of Arts and Sciences, students who wish to change their majors should see the College advisor for the new major they want.

**Exploratory Students** Students wishing to pursue baccalaureate degrees in the College of Arts and Sciences 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 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 who are declared exploratory or who wish to learn more about the exploratory option should call the Office of Undergraduate Academic Affairs, Kirkwood Hall 012, at (812) 855-1647 to arrange an appointment. 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.

**Direct Admit Program** Incoming freshmen with strong high school records and an interest in majoring in one or more College of Arts and Sciences departments may apply for direct admission into the College of Arts and Sciences. For more information, send e-mail to [dap@indiana.edu](mailto:dap@indiana.edu).

## Transfer Students

**Transfers from Undergraduate Programs in Other Schools on the Bloomington Campus** 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 cumulative College of Arts and Sciences grade point average of 2.000. They also must have completed the English composition requirement. 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 must contact the 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 (Kirkwood Hall 001) for processing. Requests for transfer must be completed by July 1 for the fall

semester, December 1 for the spring semester, or April 15 for the summer session.

**Transfers to and from Other Indiana University Campuses** At Indiana University, students can transfer easily from one campus of the university to another to continue their studies as degree candidates. 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. Transferring students should note that the degree requirements may differ among the various campuses of Indiana University. Students who are eligible to 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. Students who are planning to transfer to another campus should apply for an intercampus transfer at the service's Web site ([www.iupui.edu/~moveiu/](http://www.iupui.edu/~moveiu/)).

**Transfers from Other Indiana University Campuses to the College** Students transferring to the College of Arts and Sciences at Bloomington from other campuses of Indiana University must have completed at least 26 credit hours that can count toward a degree with a minimum cumulative College of Arts and Sciences grade point average of 2.000 and must have completed the English composition requirement. Students must indicate their intention to enter the College of Arts and Sciences at Bloomington by applying for an intercampus transfer at the following Web site: [www.iupui.edu/~moveiu/](http://www.iupui.edu/~moveiu/) no later than July 1 for fall semester, December 1 for the spring semester, or April 15 for the summer session.

**Transfers from the College to Other Indiana University Campuses** Students enrolled in the College of Arts and Sciences at Bloomington who wish to attend another Indiana University campus should apply for an intercampus transfer at the following Web site: [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 English composition requirement may be given admission to the College of Arts and Sciences.

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

1. A minimum cumulative grade point average of 2.000 on a 4.000 scale. A higher GPA is required for certain majors. In addition, nonresidents of Indiana will be expected to have a considerably higher GPA for consideration.
2. A high school record showing satisfactory entrance units.
3. Evidence of good standing in the institution last attended.
4. Official transcripts of credits and grades earned in all subjects.

Applications for admission must be received in the Office of Admissions by July 1 for the fall semester, December 1 for the spring semester, or April 15 for the summer session.

Acceptance of credit from other institutions will be determined by the Office of Admissions, and the applicability of credit toward degree requirements in the College will be determined by the dean. Only credits earned at Indiana University will count toward a student's cumulative grade point average. Courses from other colleges and universities transfer as credit only, with the exception of courses that transfer into a student's major; the grades associated with these courses are factored into the student's major grade point average.

### Students with Learning Disabilities

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, Franklin Hall 096, (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.

## Degrees and Majors Offered

### Bachelor of Arts (B.A.)

The College of Arts and Sciences offers the Bachelor of Arts degree with the following majors:

- African American and African Diaspora Studies
- Anthropology
- Biochemistry
- Biology
- Chemistry
- Classical Civilization (Art and Archaeology, Culture and Literature)
- Classical Studies (Latin and Greek)
- Cognitive Science

Communication and Culture  
 Comparative Literature  
 Computer Science  
 Criminal Justice  
 East Asian Languages and Cultures  
 (Chinese, Japanese, and Korean)  
 East Asian Studies  
 Economics  
 English  
 Folklore  
 French  
 Gender Studies  
 Geography  
 Geological Sciences  
 Germanic Studies  
 History  
 History of Art  
 India Studies  
 (as part of a double major)  
 Individualized Major Program  
 International Studies  
 Italian  
 Jewish Studies  
 Linguistics  
 Mathematics  
 Microbiology  
 Music (program to be discontinued July 1, 2007)  
 Near Eastern Languages and Cultures  
 (Arabic, Hebrew, or Persian)  
 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

For further information, refer to individual departmental descriptions and degree requirements. To locate departments, see the "Index" in this bulletin.

### **Bachelor of Arts (B.A.) Interdepartmental Majors**

The College of Arts and Sciences offers the Bachelor of Arts degree with the following interdepartmental majors:

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  
 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 Speech and Hearing Sciences  
 Mathematics and Economics  
 Philosophy and Political Science  
 Philosophy and Religious Studies  
 Political Science and Economics  
 Political Science and Philosophy  
 Psychology and Speech and Hearing Sciences  
 Religious Studies and African American and  
 African Diaspora Studies  
 Religious Studies and Philosophy  
 Sociology and African American and African  
 Diaspora Studies  
 Speech and Hearing Sciences and Linguistics  
 Speech and Hearing Sciences and Psychology

For further information, refer to individual departmental descriptions and degree requirements. To locate departments, see the "Index" in this bulletin.

### **Bachelor of Science (B.S.)**

The College of Arts and Sciences offers the Bachelor of Science degree with the following majors:

Apparel Merchandising  
 Astronomy and Astrophysics  
 Biochemistry  
 Biology  
 Biotechnology (available as a major since fall  
 2004; as a degree to be awarded possibly  
 beginning in May 2008)  
 Chemistry  
 Cognitive Science  
 Environmental Science (jointly administered  
 with the School of Public and  
 Environmental Affairs)  
 Geography  
 Geological Sciences  
 Interior Design  
 Mathematics  
 Microbiology  
 Physics  
 Psychology  
 Speech and Hearing Sciences  
 Statistics (Department of Mathematics)

For further information, refer to individual departmental descriptions and the degree requirements. Students planning to earn the B.S. degree should see an advisor in the department offering the major. To locate departments, see the "Index" in this bulletin.

### **Bachelor of Fine Arts (B.F.A.)**

The College of Arts and Sciences offers courses leading to the Bachelor of Fine Arts degree in the School of Fine Arts. For further information, refer to "Fine Arts" and the degree requirements in that section of this bulletin.

## Certificates

As part of completing the bachelor's degree and in addition to completing the requirements for the major, students may earn area certificates in the following interdisciplinary areas:

African Studies  
 Animal Behavior  
 Central Eurasian Studies  
 Criminal Justice  
 Cultures of Science and Medicine (Department of History and Philosophy of Science)  
 Environmental Studies  
 Fashion Design (Department of Apparel Merchandising and Interior Design)  
 Game Studies (Department of Telecommunications)  
 Global Human Diversity (Department of Anthropology)  
 Human Biology  
 India Studies  
 Jewish Studies  
 Latin American and Caribbean Studies  
 Liberal Arts and Management  
 Medieval Studies  
 Neuroscience (Department of Psychological and Brain Sciences)  
 New Media and Interactive Storytelling (Department of Telecommunications)  
 Urban Studies

To locate departments, see the "Index" in this bulletin.

## Secondary Teacher Certification

Students who receive degrees in the College can, if they plan their course work carefully, receive certification to teach in secondary schools. Students should consult the School of Education Undergraduate Program Bulletin. Students should also contact the academic advisor in their major department and an advisor in the School of Education for full details. Students planning teacher certification may need to complete more than 122 credit hours.

## General Requirements for Bachelor's Degrees

Academic counseling for each student in the College is provided by a faculty member or an academic counselor from the student's major department before each semester's enrollment. Although academic counseling is intended to provide effective guidance and students are encouraged to seek the counsel of their advisor, **students are responsible for planning their own programs and for meeting the following degree requirements for graduation.**

## Online Degree Progress Report

The online degree progress report is available to all students. Students should use this system to monitor their progress toward meeting degree requirements. Information about the system is available from the registrar, from academic advisors, and from the College of Arts and Sciences Recorder's Office (Kirkwood Hall 001).

## General Requirements

Students must complete a minimum of 122 credit hours to graduate. At least 100 credit hours **must** be earned in courses offered by the College of Arts and Sciences. Students may select the remaining 22 credit hours in the College or from courses outside the College.

**Exceptions:** 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. Students planning teacher certification may need to complete more than 122 hours and should contact their major advisor and an advisor in the School of Education early in their degree program. Students should also consult the School of Education Undergraduate Program Bulletin.

Students satisfying requirements for the B.A. with a major in music are required to earn credits in applied music and ensembles, credits that are considered outside the College of Arts and Sciences. Students earning the B.A. with a major in music may take a maximum of 32 credit hours outside the College if the courses are required for their major degree program.

Effective July 1, 2007, the College of Arts and Sciences will discontinue the B.A. major in Music. College of Arts and Sciences students on the IU Bloomington campus who are currently in this major (formally declared), or who formally declare the major by 4:00 p.m. on June 30, 2007, will be allowed to complete the major as long as they do so in a timely manner (making themselves eligible for graduation within 8 years of their matriculation to the IU system, any campus).

1. The College does not accept certain types of credit, including engineering, technology, or self-acquired competency credits.
2. Students must have a minimum cumulative College of Arts and Sciences grade point average of 2.000 (C) in order to graduate. 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 (C).
3. Students must complete a minimum of 36 credit hours in courses at the 300-400 (junior-senior) level for the B.A. or B.F.A. degree. Students must complete a

- minimum of 30 credit hours at the 300-400 (junior-senior) level for the B.S. degree.
- Students must take at least 25 College of Arts and Sciences credit hours in the major subject area. For B.A. programs, no major department may require more than 42 credit hours in the major. (This stipulation does not apply to the interdepartmental major.) However, especially for students considering graduate school, a maximum of 22 major credit hours taken in excess of 42 may be counted toward the 122-minimum credit hours required for the degree if the students have not exceeded the maximum of 22 credit hours allowable for courses outside the College. In no case may the total of outside credit hours and excess major credit hours exceed 22 credit hours.
  - Every degree candidate must complete at least 26 credit hours of the work in senior status in residence on the Bloomington campus of Indiana University. At least 12 credit hours of course work in the major field of study must be completed on the Bloomington campus.
  - Every degree candidate must satisfy the requirement of one Topics course.

### Academic Policies and Procedures

In planning their academic programs, students should be aware of the following policies and procedures of the College of Arts and Sciences:

- Degree requirements** that will apply to an undergraduate student pursuing a degree in the College of Arts and Sciences at Bloomington will be those in effect at the time he or she matriculated at Indiana University (any campus) 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 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, Kirkwood Hall 001, (812) 855-1821 or [coasrecd@indiana.edu](mailto:coasrecd@indiana.edu).
- Only elective courses may be taken on a Pass/Fail basis. For more information, see "Pass/Fail Option" under "Academic Regulations."
- No more than 60 credit hours earned in accredited junior colleges may be applied toward a degree.
- With permission of the dean of the College, course credit may be earned by satisfactory performance on departmentally approved examinations.
- Courses taken by correspondence may not be applied to any degree requirement of a bachelor's degree without prior special permission of the dean.
- Only in very rare circumstances should an undergraduate student be enrolled in a graduate-level course. Graduate courses taken while in undergraduate status may not be applied to any degree requirement of a bachelor's degree without prior special permission of the dean, and this special permission is limited to a maximum of 12 credit hours of graduate coursework. Students interested in such permission should contact the director of undergraduate studies in their major and ask that the director confer with the Office of Undergraduate Academic Affairs. Graduate courses taken while an undergraduate and counted toward the requirements of a bachelor's degree may not also be counted toward a graduate degree.
- Candidates for degrees must have all credit on record at least six weeks before the conferral of degrees, except that of the current semester. Students enrolled in Indiana University or non-Indiana University programs where grades will be reported after the end of the Indiana University Bloomington semester should apply for the next appropriate graduation date, and can consult the College Recorder's Office (Kirkwood Hall 001) for further information.
- An application for a degree must be submitted to the College Recorder's Office, Kirkwood Hall 001. Applications can be submitted online from the Recorder's Office Web site, [www.indiana.edu/~college/recorder/](http://www.indiana.edu/~college/recorder/). This should be done no later than June 1 for May graduation, no later than December 1 for August graduation, and no later than March 1 for December graduation. Failure to file by these deadlines may delay graduation.
- 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.

## Course Requirements for the Bachelor of Arts

The course requirements for the B.A. degree are summarized here to provide an overview of the program. Students must also complete the general requirements for bachelor's degrees and the B.A. requirements described on the following pages (fundamental skills, distribution, culture studies, major concentration). Students may test out of all but 3 credit hours (Intensive Writing) of the fundamental skills requirement.

Requirements completed in one area may, under certain conditions, also fulfill requirements in other areas. See section titled “Foreign Language” regarding credit in foreign language study. The requirement for the major ranges from 25 to 42 credit hours, depending on the department.

Course Requirements	Credit Hours
<i>Fundamental Skills Requirements</i>	
Writing	
English Composition	3
Intensive Writing	3
Foreign Language	
Four-semester sequence	10-18
Mathematics	0-4
<i>Distribution Requirements</i>	
Arts and Humanities (four courses)	12
Social and Historical Studies (four courses)	12
Natural and Mathematical Sciences (four courses)	12-20
<i>Culture Studies Requirement</i>	
Two courses from List A or one course from List A and one course from List B	6
<i>Major Concentration</i>	25-42
<i>Electives</i>	2-61
<i>Total Credit Hours</i> (including a minimum of 100 credit hours inside the College)	122

## Fundamental Skills Requirements

Students must meet requirements in writing, mathematics, and foreign language.

### Writing

Students must complete English composition and intensive writing requirements.

**English Composition** This part of the writing requirement may be fulfilled in any one of the following ways:

1. Exemption without credit. Students scoring 670 or higher on the SAT Critical Reading test, or 32 or above on the ACT English Composition section, or 4 to 5 on the Advanced Placement English Composition section, are exempt from English composition.
2. Exemption with credit. Some students have an opportunity to receive College of Arts and Sciences credit. A student will be granted 2 credit hours of English W143 if the student has:
  - a. a score of 670 or above on the SAT Critical Reading test, or 32 or above on the ACT English Composition section, or 4 to 5 on the Advanced Placement English Composition section, plus

- b. a score of 660 or higher on the SAT Writing Test, and if the student applies to the Department of English in Ballantine Hall 442. Students should also see “Special Note” under “Credit by Examination” in this Bulletin.
3. Completion of any of the following options with a grade of C- or higher:
    - a. English W131 (3 cr.)
    - b. English W170 (3 cr.)
    - c. English L141 and L142 (4-4 cr.)
    - d. African American and African Diaspora Studies A141-A142 (4-4 cr.)
    - e. Two semesters of English W143 (1 cr.), combined with two introductory courses, Comparative Literature C145, C146 (3-3 cr.)
    - f. A combination of any two course options from (c), (d), and (e) above.

**Note:** Courses taken under these options, except for English W131, W143, and W170, may, if they are so designated, be applied toward distribution requirements.

**Intensive Writing** This part of the writing requirement may be fulfilled by completing one intensive writing course at or above the 200 level after completing the English composition requirement. Normally, intensive writing sections are taught by faculty in small sections or by individual arrangement and include a series of written assignments evaluated with close attention to organization and expression as well as to substance and argument. Graded revision of assignments is a requirement of all intensive writing courses and of all special arrangements for intensive writing. **Students must check the listings for courses in the online *Schedule of Classes* each semester to make certain the course section they have chosen fulfills the requirement.** Students seeking to arrange an individual intensive writing component for a course or section that is not listed as intensive writing must contact the faculty director of undergraduate studies of the department of their major concentration before the semester during which they wish to enroll for intensive writing. All special arrangements are subject to the approval of the College. Intensive writing credit will not normally be awarded for written work in courses not listed as intensive writing unless arrangements are completed and approved in advance. Designated intensive writing courses also may be counted toward fulfilling other College of Arts and Sciences degree requirements (e.g., distribution, major, 300- or 400-level).

### Mathematics

Students must demonstrate mastery of a fundamental skill in mathematics, which is defined as a level of proficiency equivalent to three years of high school math. This proficiency

is needed for study in many courses throughout the College of Arts and Sciences curriculum. Students may demonstrate mastery of a fundamental skill in mathematics in any one of the following ways:

1. Earning a minimum math test score of 650 on the SAT exam or 29 on the ACT exam.
2. Completing MATH M025 (A025) or MATH M027 with a minimum grade of C-. (Note that MATH M025 [A025] and MATH M027 do not carry hours of credit toward a degree program in the College.)
3. Completing with a minimum grade of C- or being exempted from MATH A118, M118, M119, M211, M213, D116 and D117 (both courses must be successfully completed), or mathematics courses that directly presuppose the fundamental skill proficiency.
4. Earning appropriate scores on CEEB Advanced Placement tests in calculus or through departmental examinations. Students who pass a departmentally administered examination may be eligible for special credit. For information about applying for these credit hours, refer to "Credit by Examination."

Students entering the College who have scored below 400 on the SAT mathematics section or below 20 on the ACT mathematics sections are advised to enroll in MATH M014 before fulfilling the mathematics requirement.

Students with incomplete records can take a placement test administered by the Department of Mathematics.

## Foreign Language

Students pursuing the B.A. or B.F.A. degree must complete the study of a single foreign language through the second semester of the second year of college-level course work. (See departmental listings in this bulletin for B.S. foreign language requirements. Note also that the second semester of the second year of American Sign Language is numbered as Speech and Hearing Sciences A300.) All or part of this requirement may be fulfilled by performance on placement examinations. Completion of high school foreign language courses is not accepted as a basis for exemption. Students may fulfill the entire foreign language requirement by placing into the third-year level. With the permission of the College, international students may fulfill the foreign language requirement through demonstrated proficiency in their native languages. International students interested in this option should contact the Office of Undergraduate Academic Affairs, Kirkwood Hall 012, as early in their undergraduate careers as possible.

**Special Credit Option** Students whose scores on the language placement exam place them in or beyond the second semester of language study may be eligible for special credit in some languages. Students must apply for the special credit, and the following rules apply:

1. Students who earn exemption from one or more semesters may be eligible for special credit toward graduation. Students earning exemption from the first or second semester of foreign language study may receive 4-5 or 8-10 credit hours of special credit in some languages when they apply.
2. Students earning exemption from the third or fourth semesters may receive 3-4 or 6-8 hours of additional special credit only if they complete a specified language course at the level at which they place. Students may fulfill the entire foreign language requirement by placing into the third-year level without enrolling in an additional course.
3. International students may not earn credit or be awarded special credit for any courses at the first- or second-year level in their native languages.

See also "Credit by Examination" and "Foreign Languages, Placement."

**Foreign Language Courses** Course sequences that fulfill the foreign language requirement may be offered in the languages listed below. Students should consult the departmental course descriptions for specific courses. Students interested in less frequently taught languages must confer directly with the appropriate department; availability of multiple semesters cannot be guaranteed. To locate departments that offer these languages, see the "Index" in this bulletin or the notes below.

American Sign Language (Department of Speech and Hearing Sciences)

Arabic  
 Bambara  
 Chinese—Mandarin  
 Croatian  
 Czech  
 Dutch  
 Estonian  
 Finnish  
 French  
 German  
 Greek  
     Classical  
     Modern  
 Hausa  
 Hebrew  
     Biblical  
     Modern  
 Hindi  
 Hungarian  
 Italian



Japanese  
 Korean  
 Lakota (Sioux)  
 Latin—Classical  
 Mongolian  
 Norwegian (Germanic Studies)  
 Persian  
 Polish  
 Portuguese  
 Romanian  
 Russian  
 Sanskrit  
 Serbian  
 Spanish  
 Swahili  
 Tibetan  
 Turkish  
 Twi  
 Urdu (India Studies)  
 Uzbek  
 Yiddish  
 Zulu

## Distribution Requirements

Specially designated courses that count for distribution requirements are classified in the following areas:

- A. Arts and Humanities (A & H)**
- B. Social and Historical Studies (S & H)**
- C. Natural and Mathematical Sciences (N & M)**

Specific courses that fulfill distribution requirements are designated by abbreviations following the course titles. (See symbols in parentheses above.) A complete list of courses that fulfill the distribution requirements is located in “Appendix II.”

A special category of distribution courses called Topics is offered: COLL E103 counts in the Arts and Humanities distribution requirement; COLL E104 counts in Social and Historical Studies; COLL E105 counts in Natural and Mathematical Sciences.

Any student who matriculates in the summer of 2001 or subsequently and who is a candidate for any bachelor’s degree offered by the College of Arts and Sciences is required to complete one Topics course. Courses that fulfill the Topics requirement are designated by the abbreviation TFR following the course titles. A complete list of courses that fulfill this requirement is located in “Appendix III.” Students are encouraged to take this course in their first year; in any case, they should plan to take their Topics course no later than the first semester of their second year. Students who transfer from other institutions, from other IU campuses, or from other IU Bloomington schools must also successfully complete one Topics course.

To ensure that they gain a rich and varied education, the College requires students to complete 12 courses for distribution requirements. These 12 courses must be distributed according to the following rules:

1. Students must complete one Topics course as specified above.
2. Students must complete four designated courses in the arts and humanities, four designated courses in social and historical studies, and four designated courses in natural and mathematical sciences. The appropriate Topics course will count as one of the required courses in that area.

### Arts and Humanities

Distribution courses in this area help students think about the complexity of human experience, appreciate the range of human thought and emotion, learn about varieties of aesthetic expression, and grapple with moral issues. Courses that fulfill the Arts and Humanities distribution requirement are designated by the symbol A & H following the course titles.

### Social and Historical Studies

Distribution courses in this area analyze social institutions, the behavior of individuals in social contexts and historical settings, and changes in social conditions over time. Students are introduced to theories and methods for studying social experience and behavior. Courses that fulfill the Social and Historical Studies distribution requirement are designated by the symbol S & H following the course titles.

### Natural and Mathematical Sciences

Distribution courses in this area provide an appreciation of the physical and biological environment, introduce students to systematic investigation of that environment, show the value of experimental methods for understanding natural laws, and explore the role and methods of the mathematical sciences. Courses that fulfill the Natural and Mathematical Sciences distribution requirement are designated by the symbol N & M following the course titles.

A complete list of courses that fulfill distribution requirements is located in “Appendix II.”

## Culture Studies Requirement

Culture studies courses introduce students to cultural systems different from that of mainstream America. The courses expose students to sets of values, attitudes, and methods of organizing experience which may not be obtained from the predominant American culture. Such exposure should lead students to understand the facts and limitations of their own cultural conditioning.

Students must observe the following guidelines when fulfilling the culture studies requirement:

1. Students are required to complete two courses that carry culture studies credit.
2. Students must complete one course from List A (see "Appendix I").
3. Students must take another course either from List A or from List B (see "Appendix I").
4. Students who successfully complete an academic year abroad in a program sponsored by the Indiana University Office of Overseas Study will satisfy the culture studies requirement through the course work they take on the year-long program.
5. Students who successfully complete a semester abroad in a program sponsored by the Indiana University Office of Overseas Study will earn the equivalent of one Culture Studies List A course through the course work they take abroad.

## Major Concentration 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. Detailed requirements are to be found in the departmental statements in this bulletin. Some departments require students to complete a minor in addition to the major. Some of the rules below also apply to minors.

1. At least 25 College of Arts and Sciences credit hours must be taken in the major subject area.
2. The 100-level courses in French, German, Italian, Latin, Portuguese, Russian, and Spanish will not count toward a major or minor in these languages.
3. Any course in which the student receives a grade below C– may not be used to fulfill a major or minor requirement. Courses in which the student receives a D– or higher, however, count toward the 122 credit hour total.
4. Courses taken to satisfy the English composition fundamental skills requirement (W131, W143, or W170) may not be applied toward a major or minor requirement.
5. The grade point average of all courses taken in the major must be at least 2.000.
6. Students must take at least 25 College of Arts and Sciences credit hours in the major subject area. For B.A. programs, no major department may require more than 42 credit hours in the major. (This stipulation does not apply to the interdepartmental major.) However, especially for students considering graduate school, a maximum of 22 major credit hours taken in excess of 42 may be

counted toward the 122 minimum credit hours required for the degree if the students have not exceeded the maximum of 22 credit hours allowable for courses outside the College. In no case may the total of outside hours and excess major hours exceed 22 credit hours.

7. The residence requirement of at least 12 credit hours in the major at Bloomington must be met.

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

1. At least 25 College of Arts and Sciences credit hours must be taken in each major.
2. The residence requirement of at least 12 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. The program of studies must be approved by the College of Arts and Sciences, Kirkwood Hall 001.
5. With approval of the relevant major departments and the College, one course may be crosslisted in both majors of a double major or among the three majors of a triple major program.

Whether a student plans two majors or three majors, a total of only one course may be crosslisted. With the approval of the departments and of the College, that one course may be listed in two majors or may be listed in all three majors if appropriate. No further crosslisting is allowed in the student's multiple majors on one degree.

Students interested in having a third completed major recognized at the point of graduation should contact the College Recorder's Office, Kirkwood Hall 001, for further information.

**Interdepartmental Major** 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 in the interdepartmental major. For Interdepartmental Majors, no program may require more than 62 credit hours in the major. However, especially for students considering graduate school, a maximum of 22 major credit hours taken in excess of 62 may be counted toward the 122 minimum credit hours required for the degree if the students have not exceeded the maximum of 22 credit hours allowable for courses outside the College. In no case may the total of outside credit hours and excess major credit hours exceed 22 credit hours.

The following interdepartmental majors are available; students should consult the appropriate departmental listing for details: 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, 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 Speech and Hearing Sciences, Mathematics and Economics, Philosophy and Political Science, Philosophy and Religious Studies, Political Science and Economics, Political Science and Philosophy, Psychology and Speech and Hearing Sciences, Religious Studies and African American and African Diaspora Studies, Religious Studies and Philosophy, Sociology and African American and African Diaspora Studies, Speech and Hearing Sciences and Linguistics, and Speech and Hearing Sciences and Psychology.

## College of Arts and Sciences Optional Minors

Many departments in the College of Arts and Sciences offer minors of at least 15 College of Arts and Sciences credit hours. Students majoring 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. Students' majors and minors listed in this bulletin may be listed on their transcripts. Students planning to complete a minor should consult the advisor in the department in which the minor is offered.

Two departments (Spanish and Portuguese; Psychological and Brain Sciences) require that students in those departments complete a minor or concentration of courses in a different department. Students with majors in those departments should check with the advisor about requirements for the minor. For students majoring in other departments, the minor is optional.

The following minors are available in the College of Arts and Sciences:

African American and African Diaspora Studies  
 African Languages (Department of Linguistics)  
 American Studies  
 Animal Behavior  
 Anthropology  
 Apparel Merchandising  
 Astronomy and Astrophysics  
 Biology  
 Chemistry  
 Classical Civilization

Cognitive Science  
 Communication and Culture  
 Comparative Arts  
 Comparative Literature  
 Computer Science  
 Criminal Justice  
 Dutch Studies (Department of Germanic Studies)  
 East Asian Languages  
 East Asian Studies  
 Economics  
 Economics and Political Science  
 English  
 European Union  
 Folklore  
 French  
 Gender Studies  
 Geography  
 Geological Sciences  
 Germanic Studies  
 Greek (Department of Classical Studies)  
 Hebrew (Jewish Studies Program)  
 History  
 History and Philosophy of Science  
 History of Art (School of Fine Arts)  
 India Studies  
 International Studies  
 Italian  
 Latin (Department of Classical Studies)  
 Latin American and Caribbean Studies  
 Latino Studies  
 Leadership, Ethics, and Social Action  
 Linguistics  
 Mathematics  
 Medieval Studies  
 Music (program to be discontinued July 1, 2007)  
 Near Eastern Languages and Cultures  
 Philosophy  
 Physics  
 Political Science  
 Political Science and Economics  
 Portuguese  
 Psychology  
 Religious Studies  
 Russian and East European Studies  
 Russian and East European Studies with  
 Language Certification  
 Slavic Languages and Literatures  
 Social Science and Medicine (Department  
 of Sociology)  
 Sociology  
 Sociology of Work and Business  
 Spanish  
 Speech and Hearing Sciences  
 Speech and Hearing Sciences (Preprofessional)  
 Studio Art (School of Fine Arts)  
 Telecommunications  
 Theatre and Drama  
 West European Studies  
 Yiddish (Department of Germanic Studies)

## Completing Minor Requirements

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

1. A minor must consist of 15 or more credit hours in College of Arts and Sciences courses.
2. The residence requirement of at least 6 credit hours in the minor at Bloomington must be met.
3. The 100-level courses in French, German, Italian, Latin, Portuguese, Russian, and Spanish do not count toward a minor in these languages. Consult the lists of requirements for individual minors to see which 200-level courses count toward a minor in each language.
4. Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement.
5. The grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.
6. Courses taken to satisfy the English composition requirement (W131, W143, or W170) may not be applied toward a minor requirement.
7. Students majoring in Portuguese, Psychology, or Spanish must consult the advisor in their major department about requirements for a minor or concentration of courses.
8. Some minors have an overall grade point average requirement. See lists of requirements for specific minors for more information.
9. A student may complete up to three minors.

For specific minors, see departmental statements.

For minors outside the College of Arts and Sciences that can be listed on a College student's transcript, see "Additional Programs" in this bulletin.

### **Courses Outside the College of Arts and Sciences**

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. Jacobs School of Music courses that are listed in the College's distribution chart, "Appendix II," in this bulletin in history, literature, composition, and theory of music may be counted among the 100 credit hours inside the College of Arts and Sciences. School of Informatics courses in Computer Science that are listed in the College's distribution chart, "Appendix II," in this bulletin may be counted among the 100 credit hours inside the College of Arts and Sciences.

Students may select the remaining 22 credit hours from courses in the College of Arts and Sciences and/or from courses outside the College. The College does not accept certain types of credit, including engineering, technology, or self-acquired competency credits.

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. Students planning teacher certification may need to complete more than 122 credit hours and should confer with their major advisor and an advisor from the School of Education early in their academic careers. Students should also consult the School of Education Undergraduate Program Bulletin.

Students satisfying requirements for the B.A. with a major in music are required to earn credits in applied music and ensembles, credits that are considered outside the College of Arts and Sciences. Students earning the B.A. with a major in music may take a maximum of 32 credit hours outside the College if the courses are required for their major degree program. Effective July 1, 2007, the College of Arts and Sciences will discontinue the B.A. major in Music. College of Arts and Sciences students on the IU Bloomington campus who are currently in this major (formally declared), or who formally declare the major by 4:00 p.m. on June 30, 2007, will be allowed to complete the major as long as they do so in a timely manner (making themselves eligible for graduation within 8 years of their matriculation to the IU system, any campus).

### **Associate of Arts Degree (A.A.)**

Effective Summer 2005, the College of Arts and Sciences, Indiana University Bloomington, discontinued all of its Associate of Arts (A.A.) degree programs.

Students who are already in A.A. programs in the College of Arts and Sciences on the Indiana University Bloomington campus will be allowed to complete their degree programs, as long as they do so within four years of their matriculation date.

## **Student Information Program Planning and Counseling Guidelines**

The experience of faculty and staff advisors and of successful students suggests the following guidelines for effective planning of undergraduate programs.

### **Requirements**

Students should be thoroughly familiar with the sections in this bulletin titled "General Requirements for Bachelor's Degrees" and "Academic Regulations" and with the sections on completing fundamental skills, distribution, culture studies, and major concentration requirements.

## Advisors

Students should seek an appointment with an advisor in their major department well before the dates established by the university calendar for registration for future classes. In such conferences, students should, as a minimum objective, make certain that they understand the requirements for successful completion of the area requirements and that they have made an appropriate plan for the next semester. (See "Online Degree Progress Report" section in this bulletin.)

The Health Professions and Prelaw Center assists students planning to seek admission to the Indiana University Schools of Law, Medicine, Dentistry, Nursing, and the Health Professions Program in the IU School of Medicine. It is located in Maxwell Hall 010, (812) 855-1873.

## Student Responsibility

Students should understand that the responsibility for making an appropriate academic program and for meeting every degree requirement rests with them; academic advisors are obligated only to assist students in meeting this responsibility. Students are responsible for monitoring their degree progress. Students needing clarification of any of the requirements for their degree program or of any information on their Degree Progress Report are urged to obtain that clarification from their academic advisor, or from the recorder's office in the College. Requests for exceptions to departmental or College requirements may be granted by written approval from the respective department and the Office of Undergraduate Academic Affairs, Kirkwood Hall 012.

## Suggested Program for Arts and Sciences Freshmen

Students should complete their mathematics and English composition fundamental skills and one Topics course during their freshman year. The following program is suggested only as a general guide. Students should see their advisor before determining a schedule.

### First Semester

English Composition or Mathematics requirement (3-4 cr.)  
 Foreign Language (3-5 cr.)  
 One Topics course  
 and/or other distribution or Culture Studies requirement (6 cr.)  
 Elective or course in major (3 cr.)

### Second Semester

English Composition or Mathematics requirement (3-4 cr.)  
 Foreign Language (3-5 cr.)  
 One Topics course and/or other distribution or Culture Studies requirement (6 cr.)  
 Elective or course in major (3 cr.)

## Students with Learning Disabilities

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, Franklin Hall 096, (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.

## Academic Regulations

### Change of Major

In order to change their major, students must contact the 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.

### Grading System

Grades are awarded on the following basis:

A	4.0	Excellent
A	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Average
C-	1.7	
D+	1.3	
D	1.0	Poor
D-	0.7	
F	0.0	Unsatisfactory

### Amended FX Policy (Extended X) Policy

The College of Arts and Sciences calculates FX grades as grades of F (D-X grades as grades of D-, DX grades as grades of D, D+X grades as grades of D+, C-X grades as grades of C-, CX grades as grades of C, etc.) for internal purposes and degree requirements. This calculation will apply to all categories of academic standing, including but not limited to: good standing, probation and dismissal, class rank, and all grade point average requirements in the degree, including cumulative, semester, and major concentration.

A student may use the Amended FX (Extended-X) Policy for purposes of the university transcript. This option applies

only to course work taken at IU, not transfer courses. Students wishing to pursue this option should read the text of the policy in each semester's *Enrollment and Student Academic Information Bulletin* provided by the Registrar's Office and should in addition contact the College Recorder's Office, Kirkwood Hall 001, (812) 855-1821.

## Matriculation Date

Students who matriculate in the summer of a year are considered to be fall matriculants for degree and policy purposes.

## Pass/Fail Option

During the four years of 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 open 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 (i.e., it cannot fulfill requirements other than the minimum 122 hours required for the degree, and the requirements for credit hours at the 300-400 level). It may not be used to satisfy any of the College of Arts and Sciences' general education requirements, nor may it be counted as a part of the student's concentration area, nor may it be counted toward completion of a minor or certificate program. The course or courses may be used to meet the requirement for courses at the 300-400 level.

During the freshman year, students may elect to take the School of Health, Physical Education, and Recreation activity courses on a Pass/Fail basis in addition to the two other courses permitted.

Decisions to take courses Pass/Fail must be made no later than the end of the third week of the semester. For summer sessions, the decision to elect to take a course Pass/Fail must be made no later than the fifth day of the first summer session and the tenth day of the second summer session. See the *Enrollment 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.

## Incompleted Courses

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, 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 reading 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.

## 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 Bulletin* for deadline dates.

Petitions for 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 assigned for a course when a

student has taken the final exam, or completed the final paper or project for the course.

## Grade Appeals and Retroactive Changes

Appeals of grades should be resolved with the instructor who assigned 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 assigned for a course when a student has taken the final exam, or completed the final paper or project for the course.

## Addition of Courses

No course may be added by an undergraduate student after the first week of a semester or summer session unless the instructor of the course approves and the request is approved by both the chairperson of the department in which the course is offered and the dean of the school in which the student is enrolled.

## Absences from Scheduled Classes

Illness is usually the only acceptable excuse for absence from class. Other 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 excessively absent are to be reported by their instructor to the dean of students.

## 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. The Committee on Absence of the Division of Student Affairs reviews excuses concerning absences from final examinations and informs instructors of its decisions. Students scheduled for more than three examinations in one day may have their examination schedule adjusted if they notify the instructor or department of the course scheduled for the fourth (and additional) final examination of the day. 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 Bulletin* (Office of the Registrar) each semester for further information.

## Transcripts

Complete information on transcripts can be found in the *Enrollment Bulletin*. Requests for transcripts must be made in person or in writing to the Office of the Registrar, Franklin

Hall 100, Indiana University, Bloomington, IN 47405-7104 (or via e-mail to: registrar@indiana.edu).

# Academic Standing of Students

## 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 is at least 2.000 (C).

## 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

## Academic Probation

Students are on academic probation when their cumulative 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 such restrictions as the Office of the Dean of Students or the dean of their school may deem necessary.

## Dismissal

Students are dismissed from the College of Arts and Sciences when, in the judgment of the Scholarship and Probation Committee, they have ceased to make adequate progress toward their degree. Students who fail to attain a minimum grade point average of 2.000 (C) in any two semesters and who have a cumulative grade point average below 2.000 (C) are dismissed automatically. (Note that these students will have been placed on probation at least once before dismissal.)

Whether or not students have been placed on probation before, the Scholarship and Probation 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 Scholarship and Probation 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 (Kirkwood Hall 001) 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, October 1 for the spring semester, and March 1 for a summer session.

## 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 if it has been a minimum of five years since full-time or continuous part-time enrollment. Students will need to provide evidence that would indicate 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. They are held to the deadlines listed above for submission of readmission petitions.

Students should contact the Office of Undergraduate Academic Affairs, Kirkwood Hall 012, to begin the petition process and to discuss the details of this policy.

# Special Opportunities for Students

## Basic Skills/Special Skills

The College of Arts and Sciences takes seriously its obligation to help students achieve scholastic success. There are "Basic Skills" sections in English and mathematics to help students with deficient backgrounds in these areas to fulfill the fundamental skills requirements. Finally, the College sponsors "Special Skills" courses in such areas as campus resources and career development to help students gain maximum academic benefit from their other course work.

## Career Development Center

The Career Development Center houses four interrelated programs, which provide an array of services designed to assist undergraduate students in making informed academic and career decisions. The Career Development Center, located at 625 N. Jordan Avenue, is open Monday through Friday from 8 a.m. to 4:30 p.m. Visit the office Web site at [www.indiana.edu/~career](http://www.indiana.edu/~career).

**Career Counseling Services (CCS)** provides assistance to students who are in the process of selecting a major and/or exploring career options. In addition to scheduled counseling appointments, freshmen and sophomores may obtain career planning assistance by enrolling in an eight-week, 2 credit hour course titled Q294 Basic Career Development.

## The Student Employment Office (SEO)

serves as a central location for finding part-time or temporary employment while at IU. Positions listed with SEO include both work-study and non-work-study jobs and include opportunities both on and off campus. All positions listed with SEO are accessible online 24 hours a day. SEO also sponsors an annual Camp Day in February and the IU Student Jobs Fair twice each year, bringing together students seeking part-time jobs and employers with job openings.

## Arts and Sciences Career Services (ASCS)

assists freshman through senior students with career exploration, planning, and development, as well as with job/internship search information and support. Students can meet one-on-one with an ASCS counselor to explore their personal profiles, career choices, and plans, or to discuss job and internship search issues such as resume and cover letter writing, interviewing, career research, and the graduate school application process. Freshman and sophomore students are encouraged to enroll in Q294 Basic Career Development. This 2 credit, eight-week course is designed to help students in their career self-assessment and in learning



about their academic and professional options and choices. Sophomores, juniors, and seniors are encouraged to enroll in Q299 Job Search Strategies for Liberal Arts Students. This 2 credit, eight-week course is designed to help students develop an effective plan for postgraduate success. In addition, ASCS sponsors nine career fairs, an on-campus recruiting program, online job and internship listings, Web resume books, and a resume referral service to help students design and develop a professional portfolio to market themselves, and Q398 Internship: Theory Into Practice, a variable- credit course for students interested in earning academic credit for internship experiences.

**The Career Resource Library (CRL)** houses a variety of resources and a technology center designed to assist students in choosing a major or graduate school program; identifying and researching career options; investigating internship opportunities, summer job options, and full-time employment leads; researching potential employers; improving job search techniques and interviewing skills; and writing effective resumes, cover letters, and graduate school applications. The CRL is open weekdays from 9 a.m. to 4:30 p.m.

### Credit by Examination

Students may receive credit for certain courses by successful performance on SAT II Subject Tests, College Board Advanced Placement Tests, and examinations offered by academic departments while at Indiana University. The appropriate department of the university reviews the College Board Advanced 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 or independent study are urged to accelerate their college programs in this manner. 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. Students may thus graduate early, or they may use the time gained to take courses beyond those ordinarily required for an undergraduate degree.

**Special Note:** Students who pass departmentally administered examinations may be eligible for credit. 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 semesters. Regular credit-hour rates apply for graduate students and undergraduate students enrolled in fewer than 12 credit hours.

### Dean's List

Each regular semester (excluding summer sessions), the College of Arts and Sciences will recognize those students whose semester GPA qualifies them for the 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. Students must have a minimum of 60 graded credit hours at Indiana University to be considered for distinction degrees.

### Departmental Honors Programs

Outstanding students can pursue independent study and research during their junior and senior years through honors programs in most departments of the College of Arts and Sciences. Ordinarily, students will apply for admission to an honors program in the second semester of their sophomore year or in the first semester of their junior year. Students must have a minimum College of Arts and Sciences grade point average of 3.300 and the approval of the department chairperson or departmental honors committee for admission and must maintain this minimum average to be graduated 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. Programs vary somewhat among departments but generally include the following:

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 or written or both, as the department desires. One faculty member outside the student's major field is always asked to participate.

Enrollment in Reading for Honors is ordinarily done under the course number 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. Although the university and its undergraduate schools have specific requirements for graduation, substitutions within the spirit of these requirements may be made to the benefit of the individual student.

### Experimental Courses

The College offers a number of experimental courses. These are listed under "Special Courses and Programs." See the "Index" in this bulletin.

### Foreign Study

See the "Index" in this bulletin.

### Groups Program

The Groups Student Support Services 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. It is jointly funded and sponsored by the U.S. Department of Education and Indiana University. 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 Web site at [www.indiana.edu/~groups](http://www.indiana.edu/~groups); call (812) 855-0507; or visit Maxwell Hall 200.

### Hutton Honors College

Indiana University offers the Edward L. Hutton Honors College Program in an effort to present challenging educational opportunities to superior students. The Hutton Honors College has designed a variety of introductory honors experiences for qualified students. In addition to providing the entering student with special sections of traditional departmental courses, the Hutton Honors College offers innovative seminar experiences and arranges independent reading programs. Specially chosen honors advisors aid first-year students in planning their individual programs. Students in the Hutton Honors College follow no rigid program and may choose to earn a general honors notation and/or an honors degree in their discipline. A general honors education complements formal departmental or school honors programs that lead to distinctive degrees with honors. Students should contact the Hutton Honors College, 324 N. Jordan Avenue, (812) 855-3555, for further information.

The Hutton Honors College offers the following opportunities to superior students:

**Recognition in General Honors** Many IU schools and departments offer honors programs of their own for their undergraduate majors, and many Hutton Honors College students pursue these programs. 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 in the Hutton Honors College:

1. Each student must 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 Hutton Honors College "H" courses.
2. Each student must have a minimum cumulative grade point average of 3.400 at graduation.

### Honors Seminars and Special Sections

Freshman honors seminars are 3 credit hour discussion classes typically limited to 20 freshman students, who explore how scholars frame questions, propose answers, and assess the validity of competing approaches in a small-class experience with a faculty member. More advanced seminars (H300 and H400) offer opportunities for study and research on specialized topics. Many departments reserve special introductory sections or seminars for entering students with superior scholastic records, such as Chemistry S117-S118, Economics S201-S202, Mathematics S212, and Psychological and Brain Sciences P106. The Hutton Honors College faculty also teach honors seminars in their various disciplines.

**Honors Tutorial (H299)** Honors tutorials are individually arranged programs of directed reading and research. Freshmen or sophomores who wish to engage in intensive study growing out of an undergraduate seminar or to pursue a clearly defined research interest may enroll in H299 for 1-3 credit hours under the tutelage of a faculty sponsor. Applications for a tutorial, accompanied by the recommendation of the prospective faculty tutor, should be submitted to the Hutton Honors College for approval before the semester in which the project is to be undertaken.

**Grants and Internships** Juniors and seniors may be eligible for undergraduate grants in support of academic research, creative activity, international experiences, study projects, or professional internships during the regular academic year or the summer. These 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 grants and grants for the following fall, and during the fall semester for the following spring semester.

A number of internship grants are also available for students who wish to engage in a controlled undergraduate teaching program or some equivalent experience in their major area of study. These grants are meant to support a close faculty-student relationship in which the student is treated as a junior colleague. Academic credit may also be considered when appropriate. Any senior writing an honors thesis may also apply for a Hutton Honors College Thesis Award.

**Course Listings** For course listings, refer to "Hutton Honors College" in the "Special Courses and Programs" section of this bulletin.

### **Individualized Major Program**

See alphabetical listing in this bulletin for more information.

### **Initiative for Maximizing Student Diversity (formerly MEDIC-B)**

See the "Index" in this bulletin.

### **Intensive Freshman Seminars (IFS)**

See the "Index" in this bulletin.

### **Language Placement Tests**

Students who wish to continue at Indiana University a foreign language begun in high school or at another university must take a foreign language placement test. Contact the Evaluation Services and Testing office at (812) 855-1595 or foreign language departments for more information.

### **Special Credit as a Result of Placement Tests**

Students placing at the second semester may be eligible for special credit for the first semester. Students placing at the third semester may be eligible for special credit for both the first and second semesters. Students who are eligible for such credit in French, German, Hebrew, Italian, or Spanish will automatically receive credit if the placement test is taken at Indiana University or if the student's CEEB test score is sent to Indiana University. For special credit in other foreign languages and for special credit above the first-year level, students should check directly with the foreign language departments and read the information below. See also "Special Note" under "Credit by Examination."

Students placing at the fourth semester, fifth semester, or beyond may be eligible for special credit for semesters beyond the first-year credit mentioned above. This credit is not automatic,

however, and is awarded only after completion of a foreign language course at the placement level with a minimum grade of C-, or a higher minimum grade specified by departments (contact individual departments for details). The grade for special credit will be S (Satisfactory). It is the student's responsibility to check directly with the language department regarding policies for special credit in each language, and to request that the language department send information regarding a student's special credit to the Office of the Recorder, College of Arts and Sciences, Kirkwood Hall 001.

**International Students** Students whose native language is not English may demonstrate required proficiency in their language, with permission of the College. They may not, however, earn credit for any courses at the first- or second-year level in their native language; departmental policies vary with regard to granting credit for third- and fourth-year courses in such cases.

### **Living-Learning Centers**

Living-learning centers (LLC) are residential-academic programs located in residence halls. Students may choose between two living-learning centers associated with the College: Collins Living-Learning Center, located in the Collins Quadrangle; and the Global Village, located in Foster-Martin. Membership in these centers is based on an application available from Residential Programs and Services and from most university offices.

Prospective members of the Collins Living-Learning Center should be interested in accepting responsibility for affairs of the center, such as governance, curriculum planning, and programming. They should also be interested in exploring a variety of academic disciplines through the CLLC experimental curriculum. Collins LLC students must enroll in at least one Collins course during each of their freshman and sophomore years; all new students also enroll in a 1 credit hour workshop in residential learning. Most courses may be counted toward graduation requirements.

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 Village provides opportunities for foreign language and cultural practice and is especially appropriate for students preparing for overseas study. In addition to its own seminars, the Village offers introductory courses from several departments in its classrooms and informal, internationally themed special activities. There are abundant opportunities for student governance and leadership development.

Students majoring in any discipline or school are eligible to apply for membership in either program, and current university students may apply to transfer to a center at the beginning of any semester. For additional information, contact the director of Collins LLC at (812) 855-9815, or the director of the Global Village at (812) 855-4552, or visit these LLC Web sites: [www.indiana.edu/~llc](http://www.indiana.edu/~llc) (Collins), or [www.indiana.edu/~college/global](http://www.indiana.edu/~college/global) (Global Village). Courses are listed in this bulletin under "Special Courses and Programs."

### **McNair Scholars Program**

See the "Index" in this bulletin.

### **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 122 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), 814 E. Third Street, (812) 855-7682; and Aerospace Studies (Air Force), 814 E. Third Street, (812) 855-4191.

### **Overseas Study Programs**

**Indiana University Programs** Indiana University grants direct credit for more than 85 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. Course work taken on IU semester programs satisfies a Culture Studies A requirement while course work taken on academic year programs satisfies the entire culture studies requirement. Students who have completed a substantial amount of course work at another campus of Indiana University may consult an academic assistant dean in the Office of Undergraduate Academic Affairs, Kirkwood Hall 012, about their eligibility for a College of Arts and Sciences degree.

Indiana University's overseas study programs include:

#### **Academic Year**

Britain (Canterbury)  
France (Aix-en-Provence)  
Germany (Freiburg)  
Italy (Bologna)  
Japan (Nagoya)  
Spain (Madrid)

#### **One Semester**

Argentina (Buenos Aires)  
Australia (Adelaide, Canberra, Perth, Sydney, Wollongong)  
Austria (Vienna)  
Belize (Chau Hiix, Crooked Tree)  
Brazil (Bahia, São Paulo)  
Britain (London)  
Chile (Santiago, Valparaiso)  
China (Hong Kong, Nanjing)  
Costa Rica (Monteverde)  
Czech Republic (Prague)  
Denmark (Copenhagen)  
Dominican Republic (Santiago)  
Ecuador (Quito)  
Egypt (Cairo)  
France (Aix-en-Provence, Paris, Rennes, Rouen)  
Germany (Freiburg, Reutlingen)  
Ghana (Legon)  
Greece (Athens)  
Hungary (Budapest)  
India (Hyderabad)  
Ireland (Dublin)  
Israel (Jerusalem)  
Italy (Bologna, Florence, Milan, Rome)  
Japan (Nagoya, Tokyo)  
Mexico (Monterrey)  
Netherlands (Maastricht, Rotterdam)

Peru (Lima)  
 Russia (St. Petersburg)  
 South Africa (Cape Town)  
 South Korea (Seoul)  
 Spain (Alicante, Barcelona, Madrid, Salamanca, Seville)  
 Thailand (Khon Kaen)

### Summer

Australia (Melbourne)  
 Austria (Graz)  
 Britain (London)  
 Canada (Quebec)  
 Denmark (Copenhagen)  
 Dominican Republic (Santo Domingo)  
 France (Paris)  
 Greece (Athens, Paros)  
 Guyana (Georgetown)  
 Ireland (Dublin)  
 Israel (Beth Shemesh)  
 Italy (Florence, Venice)  
 Mexico (Cuernavaca, Guanajuato)  
 Netherlands (Amsterdam, Maastricht)  
 Netherlands Antilles (Bonaire)  
 Russia (St. Petersburg)  
 Senegal (Dakar)  
 Spain (Barcelona, Salamanca)

### Intersession

Costa Rica (field sites)

Information on overseas study programs, both those sponsored by Indiana University and those arranged through other institutions, is available from the Overseas Study Information Center in Franklin Hall 303 on the Bloomington campus, (812) 855-9304; the overseas study coordinators on the other Indiana University campuses; and on the Web at [www.indiana.edu/~overseas](http://www.indiana.edu/~overseas).

### Pass/Fail Option

Students wishing to explore new subject areas without the risk of harming their grade point average may consider the Pass/Fail option. See "Pass/Fail Option" under "Academic Regulations."

### 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 excellence in the academic performance of undergraduate students who are candidates for degrees in the liberal arts and sciences in U.S. colleges and universities. There are at present 270 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 among 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.

### 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 astronomy, the biological sciences, chemistry, mathematics, physics, and psychological and brain sciences.

### Second Bachelor's Degree

In certain cases the dean may admit bachelor's degree holders to candidacy for a second bachelor's degree. When such admission is granted, the candidates must earn at least 26 additional credit hours in residence and meet the requirements of the College of Arts and Sciences and of the department in which they are candidates. Students may also be admitted to candidacy for a simultaneous second degree. In the case of simultaneous conferral of the first and second undergraduate degrees, 26 additional residency hours for the second degree are not required. Students currently pursuing an undergraduate degree in the College of Arts and Sciences should consult their academic advisor regarding the approval process. All other students seeking second degree candidacy should schedule an appointment with the advisor in the Office of Undergraduate Academic Affairs, (812) 855-1647, Kirkwood Hall 012. Some students will be required to submit an appropriate Test of English as a Foreign Language (TOEFL) score as part of the admission process. This requirement applies to international students from countries where English is not the language of instruction, who have not otherwise been admitted to the university in undergraduate status, and who are applying to the university for admission directly into a second undergraduate degree program in the College. Students with a bachelor's degree who wish to further their education should consider becoming qualified for admission to a graduate program.

### Special Skills Courses

See the "Index" in this bulletin.

## Student Records

### 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.

**Public Information** Upon request of a third party, certain information is made available to the public by the registrar's office.

**Confidentiality of Records** Indiana University, in compliance with the General Education Provisions Act, Section 438, titled Family Educational Rights and Privacy Act, 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* distributed at fall registration, available online at [www.dsa.indiana.edu/Code/](http://www.dsa.indiana.edu/Code/), or available in the office of the Division of Student Affairs, Franklin Hall 108.

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*.

**Undergraduate 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. The form is available from the College Web site [www.indiana.edu/~college](http://www.indiana.edu/~college), or students may contact the College Recorder's Office (Kirkwood Hall 001).

## Explanation of Abbreviations

The various symbols used in the course descriptions on the following pages are explained below.

### Distribution Requirements

In this Bulletin, courses that fulfill the distribution requirements of the College of Arts and Sciences will be designated by specific abbreviations immediately following the course titles.

**Arts and Humanities:** Courses that fulfill this distribution requirement are designated by **A & H**.

**Social and Historical Studies:** Courses that fulfill this distribution requirement are designated by **S & H**.

**Natural and Mathematical Sciences:** Courses that fulfill this distribution requirement are designated by **N & M**.

### Topics Requirement

Courses that fulfill this requirement are designated by **TFR**.

### Culture Studies Requirement

Courses that fulfill the culture studies requirement of the College of Arts and Sciences will be designated by specific abbreviations immediately following the course titles.

**Culture Studies List A** Courses that carry culture studies credit appropriate for List A are designated by **CSA**.

**Culture Studies List B** Courses that carry culture studies credit appropriate for List B are designated by **CSB**.

### Prerequisites

Consent of the instructor is an implicit prerequisite for all courses in the College of Arts and Sciences. However, there are often 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.

## Semester Designation

If courses are offered in particular semesters, they may be so designated by following the course description with the abbreviations listed below. For courses with no semester designations, refer to the online *Schedule of Classes*.

**First Semester** Courses that are expected to be offered first semester 2006-07 are designated by "I Sem."

**Second Semester** Courses that are expected to be offered second semester 2006-07 are designated by "II Sem."

**Summer Session** Courses that are expected to be offered during summer session 2007 are designated by "SS."

Indiana University reserves the right to change course offerings without notice. Consult the online *Schedule of Classes* for the most up-to-date listing.

## Course Designations

Students should note a difference in the way course designations are used in this Bulletin and in the online *Schedule of Classes*. In this Bulletin, since course listings are under a departmental section, each course entry begins with only the course letter and number. For example, in the English department section, Elementary Composition is listed as W131 Elementary Composition. To search for this course in the online *Schedule of Classes*, a student would enter the department and course letter code (with a hyphen separating the two), and then the number: ENG-W 131. To search for a broad range of courses in a department that uses several different letter codes (Biology, for example), a student should search using all relevant letter codes (for example, BIOL-L, BIOL-M, BIOL-Q, BIOL-S, BIOL-T, and BIOL-Z). See the *Enrollment Bulletin* each semester for more information.



## Departments, Programs, and Course Descriptions

- 27 African American and African Diaspora Studies
- 35 African Studies
- 38 American Studies Program
- 41 Animal Behavior
- 43 Anthropology
- 54 Apparel Merchandising and Interior Design
- 59 Astronomy
- 62 Biology
- 74 Central Eurasian Studies
- 80 Chemistry
- 87 Chicano-Riqueño Studies
- 88 Classical Studies
- 93 Cognitive Science
- 99 Communication and Culture
- 105 Comparative Literature
- 111 Computer Science
- 115 Criminal Justice
- 120 East Asian Languages and Cultures
- 130 Economics
- 135 English
- 142 Environmental Science
- 144 Film Studies
- 145 Fine Arts
- 158 Folklore and Ethnomusicology
- 162 French and Italian
- 170 Gender Studies
- 174 Geography
- 179 Geological Sciences
- 185 Germanic Studies
- 190 History
- 204 History and Philosophy of Science
- 208 Human Biology
- 209 India Studies
- 213 Individualized Major Program
- 214 International Studies Program
- 217 Jewish Studies
- 225 Latin American and Caribbean Studies
- 230 Latino Studies
- 231 Leadership, Ethics, and Social Action
- 232 Liberal Arts and Management Program
- 234 Linguistics
- 239 Mathematics
- 249 Medieval Studies
- 251 Near Eastern Languages and Cultures
- 255 Philosophy
- 260 Physics
- 265 Political Science
- 274 Poynter Center
- 275 Psychological and Brain Sciences
- 284 Religious Studies
- 291 Russian and East European Institute
- 295 Second Language Studies
- 295 Slavic Languages and Literatures
- 302 Sociology
- 309 Spanish and Portuguese
- 315 Speech and Hearing Sciences
- 321 Telecommunications
- 329 Theatre and Drama
- 334 West European Studies
- 342 Special Courses and Programs
- 349 Additional Programs



# African American and African Diaspora Studies

## Faculty

**Chair** Associate Professor Valerie Grim

**Professors** A. B. Assensoh, Winona Fletcher (Emeritus), Eileen Julien (Comparative Literature, French and Italian), Phyllis Klotman (Emeritus), Michael Martin, John McCluskey, John H. Stanfield II, William Wiggins (Emeritus), Vernon Williams

**Associate Professors** Valerie Grim, Matthew Guterl, Audrey McCluskey, Frederick McElroy, Iris Rosa

**Assistant Professor** Trica Keaton

**Adjunct Professors** Yvette Alex-Assensoh (Political Science), David Baker (Jacobs School of Music), Kevin Brown (Law School), Mellonee Burnim (Folklore and Ethnomusicology), Carolyn Calloway-Thomas (Communication and Culture), Claude Clegg (History), Margo Crawford (English), George Hutchinson (English), Grace Jackson-Brown (Library Science, Journalism), Onwuchekwa Jemie (Folklore and Ethnomusicology, African American and African Diaspora Studies), Monroe Little (African American Studies—IUPUI), James Madison (History), Portia Maultsby (Folklore and Ethnomusicology), Michael McGerr (History), Najjaf Modibo (African American Studies, Labor Studies—IUPUI), Frank Motley (Law), Charlie Nelms (School of Education), Samuel Obeng (Linguistics), Gary Sailes (Health, Physical Education and Recreation), Amos Sawyer (Workshop in Political Theory and Policy Analysis), Charles Sykes (African American Arts Institute)

**Visiting Professor** Alvin Chambliss

**Director of Graduate Studies** A. B. Assensoh

**Director of Undergraduate Studies**

Fred McElroy

**Academic Advising** Memorial East M21, (812) 855-3875 or 855-6270

## 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 distribution or culture studies requirements. A few courses may be used to fulfill intensive writing requirements.

For information on those requirements, consult appropriate sections of this bulletin.

## 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.

**Requirements** Students must complete a minimum of 30 credit hours of undergraduate course work selected from the department's three concentration areas: (1) arts, (2) literature, and (3) history, culture, and social issues. Not more than 6 credit hours at the 100 level and not more than 9 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. 12 credit hours in one African American and African Diaspora Studies concentration area (A355 or A356 and A379 or A380 may be included).
5. 6 credit hours in each of the other two concentration areas (A355 or A356 and A379 or A380 may be included).
6. A493 Senior Seminar in Afro-American Studies.

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 A141, A142, and A150. A141 and A142 satisfy the English composition requirement and may count toward arts and humanities distribution credit. A150 also carries arts and humanities distribution credit. A141 and A142 do not count toward the major or minor in African American and African Diaspora Studies.

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 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 Afro-American History I or A356 Afro-American History II.
3. A379 Early Black American Writing or A380 Contemporary Black American Writing.
4. Three courses from among the following:
  - A249 Afro-American Autobiography.
  - A383 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 Afro-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. L202 Literary Interpretation.
2. L371 Critical Practices.
3. One 300-level course appropriate to each of four periods in the history of literatures in English—beginnings through the sixteenth century; sixteenth through eighteenth century; the nineteenth century; 1900 to the present.

### **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 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.

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

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

#### **History**

At least 18 credit hours of history courses, including:

1. At least 15 hours of 300-400 level courses (a J200 may be substituted for 3 hours of 300-400 level courses; only one of A355 Afro-American History I or A356 Afro-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 European, Russia and East Europe, Ancient, Middle East, Africa, Latin America, or East Asia).
4. At least 9 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 Afro-American History I or A356 Afro-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 (3) concentration areas: (1) arts, (2) literature, or (3) history, culture,

and social issues. (Majors are strongly encouraged to take A363 Research on Contemporary Afro-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 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.

### 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) in each of the following areas:
  - a. Western religious traditions
  - b. Eastern religious traditions
  - c. Critical Issues in Religious Studies.
3. One course (3 credit hours) in Religious Studies at the 400-level other than R494, R495, R496, and R499.

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.

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

**Requirements** 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 Afro-American History I or A356 Afro-American History II.
3. A379 Early Black American Writing or A380 Contemporary Black American Writing.
4. 9 additional credit hours from our 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 Afro-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. S217 Social Inequality.
3. S335 Race and Ethnic Relations.
4. S110 Charts, Graphs, and Tables.
5. 3 additional courses in Sociology at the 300-400 level.

### 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 other course 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 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

**Note:** A141 and A142 do not count toward the major or minor in African American and African Diaspora Studies.

**A141-A142 Introduction to Writing and the Study of Black Literature I-II (4-4 cr.) A & H P** for A142: A141. Composition and literature courses that teach the skills of writing. Structuring of ideas through analysis and practice of various techniques of paragraph and essay development. Reading and discussion of representative Afro-American writings, including poetry, short stories, sermons, novels, and drama. A141-A142 fulfill fundamental skills requirement; do not count toward major.

**A150 Survey of the Culture of Black Americans (3 cr.) A & H, CSA, TFR** 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.

### Arts

Performance courses (A100, A104, A110, and A120) are marked with an asterisk (\*). These are open to undergraduates only and may be repeated individually or in combination for a maximum of 12 ensemble credit hours.

#### *African and Afro-American Art*

**A352 Afro-American Art II: Afro-American Artists (3 cr.) A & H, CSA** 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 Afro-American and expatriate black American artists.

### Dance

**\*A100 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.

**A102 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.

**A221 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.

**A300 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.

### Film Studies

**A277 Images of Blacks in Films: 1903-1950s (3 cr.) A & H, CSA** 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.

**A278 Contemporary Black Film (3 cr.) A & H, CSA** 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.

**A359 Ethnic/Racial Stereotypes in American Film (3 cr.) 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.

**A430 The Cinema of Africana Women (3 cr.) A & H, CSA** 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

**\*A110 African American Choral Ensemble (2 cr.) P:** Consent of instructor by audition. Performance of music by 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. Ability to read music desirable but not essential. May be repeated individually or in combination with A100 or A120 for a maximum of 12 credit hours.

**A112 Black Music of Two Worlds (3 cr.) A & H, CSA** Comparative study of black music in West Africa, South America, the Caribbean, and the United States. Emphasis on interrelationships between musical forms, performance practices, ritual traditions, and aesthetics.

**\*A120 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.

**A290 Sociocultural Perspective of Afro-American Music (3 cr.) A & H, CSA** 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.

**A389 Motown (3 cr.) A & H, CSA** A comprehensive survey of the development of Motown Record Corporation, with emphasis on its Detroit era, 1959-1972. The course will explore issues related to the people, music, creative processes, management practices, events, media, technology, and sociocultural factors that contributed to the identity of Motown as an artistic, commercial, and cultural phenomenon.

**A393 (MUS M393/Z393) History of Jazz (3 cr.) A & H, CSA** Periods, major performers and composers, trends, influences, stylistic features, and related materials. Credit not given for both A393 and M393.

**A394 (MUS M394) Black Music in America (3 cr.) A & H, CSA** A survey of black music from its African origin to the present with special emphasis on its social, economic, and political implications. Credit not given for both A394 and M394.

**A395 (MUS M395/Z395) Contemporary Jazz and Soul Music (3 cr.) A & H, CSA** 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.

**A396 (MUS M396) Art Music of Black Composers (3 cr.) A & H, CSA** 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.

**A397 (MUS M397) Popular Music of Black America (3 cr.) A & H, CSA** A sociocultural and musical analysis of urban black popular music, its performers, producers, and composers from the 1940s to 1980: rhythm and blues, rock 'n' roll, soul, ballads, funk, disco, and rap. Credit not given for both A397 and MUS M397.

**A489 Rap Music (3 cr.) A & H, CSA** P: Junior or senior standing. Examines rap music as an artistic and sociological phenomenon with emphasis on its historical and political contexts. Discussions include the appropriation of these forms by the music industry and the controversies resulting from their exploitation as an entertainment commodity for mass consumption.

**A496 Black Religious Music (3 cr.) A & H, CSA** An in-depth investigation of Negro spirituals and gospel music, with some treatment of the traditions of lining out and shapenote singing. Examination of genres will address and integrate both the musical and the sociocultural perspectives.

#### *Theatre and Drama*

**\*A104 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.

**A383 Blacks in American Drama and Theatre, 1767-1945 (3 cr.) A & H, CSA** 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.

**A384 Blacks in American Drama and Theatre, 1945-Present (3 cr.) A & H, CSA** 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.

**A385 Seminar in Black Theatre (3 cr.) A & H, CSA** P: T120; or one of A379, A380, A383, 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.

**A485 Lorraine Hansberry: Black Dramatist (3 cr.) A & H, CSA** 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.

#### **Literature**

**A169 Introduction to Afro-American Literature (3 cr.) A & H, CSA** Representative Afro-American writings including poetry, short story, sermons, novel, and drama.

**A249 Afro-American Autobiography (3 cr.) A & H, CSA** 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.

**A354 Transnational Americas (3 cr.) S & H, CSA** 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.

**A379 Early Black American Writing (3 cr.) A & H, CSA** Afro-American writing before World War II, with emphasis on critical reactions and analyses. Includes slave narratives, autobiographies, rhetoric, fiction, and poetry.

**A380 Contemporary Black American Writing (3 cr.) A & H, CSA R:** A379. The black experience in America as it has been reflected since World War II in the works of outstanding Afro-American writers: fiction, nonfiction, poetry, and drama.

**A383 Blacks in American Drama and Theatre, 1767-1945 (3 cr.) A & H, CSA** 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.

**A384 Blacks in American Drama and Theatre, 1945-Present (3 cr.) A & H, CSA** 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.

**A479 Contemporary Black Poetry (3 cr.) 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.

**A480 The Black Novel (3 cr.) A & H, CSA R:** A379 or A380. Analysis of the Afro-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.

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

**A154 History of Race in the Americas (3 cr.) S & H, CSA** Exploration of the development of racism and racial ideologies in the United States, the Caribbean, Latin America, and South Africa 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.

**A156 Black Liberation Struggles against Jim Crow and Apartheid (3 cr.) S & H, CSA** 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.

**A201 Introduction to African American and African Diaspora Studies (3 cr.) CSA** 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.

**A203 Studying Blacks of the New World: African Americans and Africans in the African Diaspora (3 cr.) S & H, CSA** A comparative study of the cultural, historical, and socioeconomic life patterns of African Americans and diaspora-based Africans in the United States.

**A205 Black Electoral Politics (3 cr.) 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.

**A210 Black Women in the Diaspora (3 cr.) S & H, CSA** 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.

**A250 U.S. Contemporary Minorities (3 cr.) 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.

**A255 The Black Church in America (3 cr.) S & H, CSA** 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.

**A263 Contemporary Social Issues in the Afro-American Community (3 cr.) 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 Afro-Americans.

**A264 History of Sport and the African American Experience (3 cr.) S & H, CSA** 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).

**A265 Modern Sports and the African American Experience (3 cr.) S & H, CSA** The impact of Afro-American sports heroes, famous teams, and annual sporting events on the shaping of Afro-American culture and the combating of American racism.

**A304 Black Paris (3 cr.)** Exploration of Paris as a site of “expatriation” and immigration for African Americans. Issues will include how African Americans become integrated into a broader social narrative of immigrant-upward mobility, the different reception for Africans and those from the French Antilles, and the comparative understandings or conceptualizations of “race” and their legacies in the migratory process.

**A350 Black Atlantic (3 cr.) A & H, CSA** 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.

**A355 (HIST A355) Afro-American History I (3 cr.) S & H, CSA** 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.

**A356 (HIST A356) Afro-American History II (3 cr.) S & H, CSA R: A355.** 1900 to the present. Migration north, NAACP, Harlem Renaissance, postwar freedom movement. Credit given for only one of A356 or HIST A356.

**A360 Slavery: Worldwide Perspective (3 cr.) S & H, CSA** Examines several aspects of the classical, indigenous, and modern political/social bondage.

**A363 Research on Contemporary Afro-American Problems I (3 cr.) 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 Afro-Americans. Reading and discussion of relevant texts, studies, and articles. Includes theory construction, research design, and data collection.

**A382 Black Community, Law, and Social Change (3 cr.) 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).

**A386 Black Feminist Perspectives (3 cr.) S & H, CSA** 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.

**A387 Black Migration (3 cr.) S & H, CSA** 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.

**A391 Black Nationalism (3 cr.) 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.

**A392 Afro-American Folklore (3 cr.) A & H, CSA** Afro-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 not given for both A392 and FOLK F354.

**A405 Civil Rights and Black Power Movements, 1954–1974 (3 cr.) S & H** Examines the fight for civil rights by protest organizations such as Southern Christian Leadership Conference, Student Non-Violent Coordinating Committee, and Congress on 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.

**A407 Afro-American and African Protest Strategies (3 cr.) S & H, CSA** 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.

**A408 Race, Gender, and Class in Cross-Cultural Perspective (3 cr.) S & H, CSA** 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.

**A415 The Political Impact of Black Religion (3 cr.) S & H** The course will focus upon politically oriented Afro-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.

**A420 Transforming Divided Communities and Societies (3 cr.) S & H, CSA** 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.

**A425 The Black Family in Twentieth-Century Rural America, 1900–1970 (3 cr.) 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.

**A447 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.

**A452 Historical Issues in Black Education (3 cr.) 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.”

**A481 Racism and the Law (3 cr.) 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.

#### **Other Courses**

**A400 Topics in Afro-American Studies (3 cr.)** Intensive study and analysis of selected Afro-American studies problems and issues of limited scope, approached within an interdisciplinary format. Varied topics that cut across departmental concentration areas. May be repeated for credit if topic differs.

**A486 Internship in Afro-American Studies (3 cr.) P:** Junior or senior status with 15 credit hours of Afro-American 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.

**A493 Senior Seminar in Afro-American Studies (3 cr.) P:** Senior status as Afro-American Studies major. Lecture/discussions on Afro-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.

#### **A495 Individual Readings in Afro-American Studies (3 cr.)**

A495 must be taken for 3 credit hours. With prior approval, may be repeated for a maximum total of 6 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

**A499 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*

A250 (Fine Arts) Introduction to African Art (3 cr.) **A & H, CSA**

A453 (Fine Arts) Art of Sub-Saharan Africa I: Arts of Africa’s Western Sudan (4 cr.) **S & H, CSA**

A454 (Fine Arts) Art of Sub-Saharan Africa II: Arts of the West African Coast (4 cr.) **S & H, CSA**

T120 (Theatre and Drama) Acting I: Fundamentals of Acting (3 cr.) **A & H**

#### *Literature*

C261 (Comparative Literature) Introduction to African Literature (3 cr.) **A & H, CSA**

C361 (Comparative Literature) African Literature and Other Arts (3 cr.) **A & H, CSA**

C464 (Comparative Literature) French Language Literature of Africa and the Americas (3 cr.) **A & H, CSA**

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

A347 (History) American Urban History (3 cr.) **S & H**



- E310 (Anthropology) Introduction to the Cultures of Africa (3 cr.) **CSA**
- E331 (History) African History from Ancient Times to Empires and City States (3 cr.) **S & H, CSA**
- E332 (History) African History from Colonial Rule to Independence (3 cr.) **S & H, CSA**
- F301 (Folklore) African Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**
- P425 (Criminal Justice) Women and the Criminal Justice System (3 cr.)
- P457 (Psychology) Topics in Psychology (1-3 cr.) Topic: Women: A Cross-Cultural Psychological Perspective
- P493 (Criminal Justice) Seminar in Criminal Justice (3 cr.) Topic: Minorities in Criminal Justice
- R160 (Religious Studies) Religion and American Culture (3 cr.) **A & H**
- R336 (Religious Studies) Religion in Modern America (3 cr.)
- C238 (Communication and Culture) Communication in Black America (3 cr.) **A & H, CSA**
- C427 (Communication and Culture) Cross-Cultural Communication (3 cr.)
- Y338 (Political Science) African Politics (3 cr.) **S & H, CSA**

## African Studies

### Faculty

#### Director and Graduate Advisor

Professor John Hanson

#### Associate Director and Undergraduate Advisor

Maria Grosz-Ngate

**Professors** A. B. Assensoh (African American and African Diaspora Studies), Salih Altoma (Emeritus, Near Eastern Languages and Cultures), Randall Baker (School of Public and Environmental Affairs), Harbans Bhola (Emeritus, School of Education), George Brooks (History), Claude Clegg (History), Hasan El-Shamy (Folklore and Ethnomusicology), Maurice Garnier (Sociology), Paula Girshick (Anthropology), Mary Goetze (Music), Kevin Hunt (Anthropology), Eileen Julien (African American and African Diaspora Studies, Comparative Literature, French and Italian), Phyllis Martin (Emerita, History), Heitor Martins (Emeritus, Spanish and Portuguese), Portia Maultsby (Folklore and Ethnomusicology), Patrick McNaughton (Fine Arts), Emilio Moran (Anthropology), Paul Newman (Emeritus, Linguistics), Samuel Obeng (Linguistics), Christine Ogan (Journalism), Patrick O'Meara (Political Science, Public and Environmental Affairs), Robert Port (Linguistics), Darlene Sadlier (Spanish and Portuguese), Kathy Schick (Anthropology), Jeanne Sept, (Anthropology), Suzanne Stetkevych (Near Eastern Languages and Cultures), Ruth Stone (Folklore and Ethnomusicology), David Thelen (History), Nicholas Toth (Anthropology), Richard Wilk (Anthropology)

**Associate Professors** Robert Botne (Linguistics), Trevor Brown (Emeritus, Journalism), Mellonee Burnim (Folklore and Ethnomusicology), Gracia Clark (Anthropology), Michael Gasser (Computer Science, Linguistics), Jane Goodman (Communication and Culture), Maria Elizabeth Grabe (Journalism), Matthew Guterl (African American and African Diaspora Studies), John Hanson (History), John Johnson (Folklore and Ethnomusicology), Audrey McCluskey (African American and African Diaspora Studies), Murray McGibbon (Theatre and Drama), Patrick Munson (Anthropology), Ira Rosa (African American and African Diaspora Studies), Beverly Stoeltje (Anthropology), Richard Stryker (Emeritus, Political Science), Margaret Sutton (Education)

**Assistant Professors** Akinwumi Adesokan (Comparative Literature), Heather Akou (Apparel Merchandising and Interior Design), Marion Frank-Wilson (English), Jane Goodman (Communication and Culture), Maria Grosz Ngate (Anthropology), Vivian Halloran (Comparative Literature), Trica Keaton (African American and African Diaspora

Studies), Lauren Morris Maclean (Political Science), Murray McGibbon, (Theatre and Drama), Marissa Moorman (History), Diane Pelrine (Fine Arts), Travis Pickering (Anthropology), Michael Reece (Applied Health Science), Daniel Reed (Folklore and Ethnomusicology), Dorothea Schulz (Religious Studies), N. Brian Winchester (Global Change)

**Academic Advising** Woodburn Hall 221, (812) 855-6825

**Area Studies Librarian** Marion Frank-Wilson

## Introduction

The African Studies Program (AFRI) provides unique opportunities for students on the Indiana University Bloomington campus to study with distinguished faculty members to meet with visiting Africanists from all over the world, to learn African languages, and to use the outstanding facilities of the library, the Archives of Traditional Music, and the Fine Arts Museum. The program has both regional and subject-area concentrations in which faculty conduct research and offer courses. Regularly offered language courses include Arabic, Bambara, Swahili, Twi, and Zulu. Tutorial sections in many other African languages are provided as student need requires.

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. A Certificate in African Studies also complements a major in many departments and professional schools throughout the university. Recognition that a student has earned a certificate appears on the transcript along with the student's major department. The certificate is awarded upon graduation from Indiana University.

## 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. In addition to L231 African Civilization and L232 Contemporary Africa, students must complete four elective courses, one of which must be at the 300 or 400 level. Elective courses may be selected from the dozens of Africa-related courses taught in the major disciplines and schools of the university. Students should have courses approved in advance by the associate director or director of African Studies. To be counted toward the

certificate, elective courses must be taught by an African Studies Program faculty affiliate.

Students must also enroll for two semesters in a language other than English that is spoken on the African continent or demonstrate proficiency in such a language.

Completion of the language proficiency requirement does not count toward the required 18 credit hours needed for the certificate. Each semester the African Studies Program provides a list of courses that can be taken for certificate credit.

## Course Descriptions

**L231 African Civilization (3 cr.) S & H, CSA**  
An historical introduction to Africa.

**L232 Contemporary Africa (3 cr.) S & H, CSA**  
An introduction to current social, economic, and political issues in Africa.

## Cross-Listed Courses

### African American and African Diaspora Studies

A150 Survey of the Culture of Black Americans (3 cr.) **A & H, CSA, TFR**

A210 Black Women in the Diaspora (3 cr.)  
**S & H, CSA**

A278 Contemporary Black Film (3 cr.) **A & H, CSA**

A352 Afro-American Art II: Afro-American Artists (3 cr.) **A & H, CSA**

A355 Afro-American History I (3 cr.) **S & H, CSA**

A356 Afro-American History II (3 cr.) **S & H, CSA**

A360 Slavery: Worldwide Perspective **S & H, CSA**

A400 Topics in Afro-American Studies (History of Social Movements; Afro-American and Pan-African Protest Strategies; African American and African Protest Strategies) (3 cr.)

### Anthropology

A105 Human Origins and Prehistory (3 cr.)  
**S & H**

A205 Anthropology Today: Selected Topics in Current Research (Topic: West Africa Today)

A303 Evolution and Prehistory (3 cr.) **S & H**

B400 Undergraduate Seminar (Topic: Primate Behavior) (3 cr.)

E105 Culture and Society (3 cr.) **S & H**

E200 Social and Cultural Anthropology (3 cr.)  
**S & H**

E310 Introduction to the Cultures of Africa (3 cr.)  
**A & H, CSA**

E312 African Religions (3 cr.) **A & H, CSA**

E400 Undergraduate Seminar (3 cr.)

E405 Principles of Social Organization (3 cr.)

E417 African Women (3 cr.) **S & H, CSA**

E420 Economic Anthropology (3 cr.) **S & H**

E427 Human Adaptation: Cultural Approaches (3 cr.) **S & H**  
 E455 Anthropology of Religion (3 cr.) **S & H**  
 E480 Theory of Culture Change (3 cr.)  
 E490 Development and Anthropology (3 cr.)  
 L200 Language and Culture (3 cr.) **S & H**  
 P200 Introduction to Archaeology (3 cr.) **S & H**  
 P314 Earlier Prehistory of Africa (3 cr.) **S & H**  
 P315 Later Prehistory of Africa (3 cr.) **S & H**  
 P380 Prehistoric Diet and Nutrition (3 cr.)  
**N & M**

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

H401 Cultural Aspects of Dress (3 cr.) **CSA**  
 H404 International Textiles and Apparel (3 cr.)

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

E103 Topics in Arts and Humanities (3 cr.)  
 (Topics pertaining to African Studies)  
 E104 Topics in Social and Historical Studies  
 (3 cr.) (Topics pertaining to African Studies)

### **Comparative Literature**

C261 Introduction to African Literature (3 cr.)  
**A & H, CSA**  
 C340 Women in World Literature (3 cr.) **A & H, CSA** (Topics with emphasis on Africa)  
 C347 Slavery in Theory and Literature (3 cr.)  
**A & H**  
 C361 African Literature and Other Arts (3 cr.)  
**A & H, CSA**  
 C400 Studies in Comparative Literature (3 cr.)  
**A & H** (Topics with emphasis on Africa)  
 C464 French Language Literature of Africa and the Americas (3 cr.) **A & H, CSA**

### **Fine Arts**

A150 African, New World, and Oceanic Art (3 cr.) **S & H**  
 A250 Introduction to African Art (3 cr.) **A & H, CSA**  
 A356 Art of Central Africa (3 cr.) **A & H, CSA**  
 A454 Art of Sub-Saharan Africa II: Arts of the West African Coast (4 cr.) **S & H, CSA**  
 A455 Art, Craft, and Technology in Sub-Saharan Africa (3 cr.) **CSA**  
 A458 Topics in the Ethnographic Arts (3 cr.)  
**S & H**

### **Folklore and Ethnomusicology**

F101 Introduction to Folklore (3 cr.) **A & H**  
 F111 World Music and Culture (3 cr.) **A & H**  
 F121 Introduction to Folklife (3 cr.) **A & H**  
 (CSA for this topic only: Black Music of Two Worlds)  
 F205 Folklore in Video and Film (3 cr.) **A & H, TFR**  
 F301 African Folklore/Folklife/Folk Music (3 cr.)  
**A & H, CSA**  
 F307 Middle Eastern Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA** (Topics with emphasis on North African communities)  
 F354 African American Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**  
 F403 Practicum in Folklore/Ethnomusicology (3 cr.)

F450 Music in Religious Thought and Experience (3 cr.)  
 F494 Transcription and Analysis of Traditional Music (3 cr.) **A & H**

### **History**

E100 Issues in African History (3 cr.) **S & H**  
 E331 African History from Ancient Times to Empires and City States (3 cr.) **S & H, CSA**  
 E332 African History from Colonial Rule to Independence (3-3 cr.) **S & H, CSA**  
 E333 Conflict in Southern Africa (3 cr.) **S & H, CSA**  
 E334 History of Western Africa (3 cr.) **S & H, CSA**  
 E336 History of East Africa (3 cr.) **S & H, CSA**  
 E338 History of Muslim West Africa (3 cr.)  
**S & H, CSA**  
 H101-H102 The World in the Twentieth Century I-II (3-3 cr.) I: **S & H, II: S & H, CSA**  
 H203 Islamic Civilization to 1300 (3 cr.) **S & H, CSA**  
 H227 African Civilizations (3 cr.) **S & H, CSA**  
 J200 Seminar in History (3 cr.) **S & H**  
 (Topics with emphasis on Africa)  
 J300 Seminar in History (3 cr.) **S & H**  
 (Topic: Contemporary Africa)

### **Linguistics**

A400 Individual Study of African Language (3 cr.)  
 B101-B102 Elementary Bambara I-II (4-4 cr.)  
 B201-B202 Intermediate Bambara I-II (3-3 cr.)  
 B301-B302 Advanced Bambara I-II (3-3 cr.)  
 L112 Language and Politics (3 cr.) **S & H, TFR**  
 L114 Language and Religion (3 cr.) **A & H, TFR**  
 L303 Introduction to Literary Analysis (3 cr.)  
**N & M**  
 L306 Introduction to Phonetics (3 cr.) **N & M**  
 L367 Languages of the World (3 cr.) **S & H**  
 L431 Field Methods (3 cr.)  
 L432 Advanced Field Methods (3 cr.)  
 L480 Introduction to African Linguistics (3 cr.)  
**S & H**  
 L481 Languages in Africa (3 cr.) **S & H, CSA**  
 L490 Linguistic Structures (3 cr.)  
 S101-S102 Elementary Swahili I-II (4-4 cr.)  
 S201-S202 Intermediate Swahili I-II (3-3 cr.)  
 S301-S302 Advanced Swahili I-II (3-3 cr.)  
 W101 Elementary Twi/Akan I (4 cr.)  
 W102 Elementary Twi/Akan II (4 cr.)  
 W201 Intermediate Twi/Akan I (3 cr.)  
 W202 Intermediate Twi/Akan II (3 cr.)  
 W301 Advanced Twi/Akan I (3 cr.)  
 W302 Advanced Twi/Akan II (3 cr.)  
 Z101 Elementary Zulu I (4 cr.)  
 Z102 Elementary Zulu II (4 cr.)  
 Z201 Intermediate Zulu I (3 cr.)  
 Z202 Intermediate Zulu II (3 cr.)  
 Z301 Advanced Zulu I (3 cr.)  
 Z302 Advanced Zulu II (3 cr.)

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

A100-A150 Elementary Arabic I-II (4-4 cr.)  
 A200-A250 Intermediate Arabic I-II (3-3 cr.)

A300-A350 Advanced Arabic I-II (3-3 cr.)  
 N181-N182 Qu'Anic Arabic I-II (3-3 cr.)  
 N223 Conversational Arabic I (3 cr.)  
 N255 Multimedia Arabic (3 cr.)

### Political Science

Y107 Introduction to Comparative Politics  
 (3 cr.) **S & H**  
 Y200 Contemporary Political Topics (3 cr.) **S & H**  
 Y324 Women and Politics (3 cr.) **S & H**  
 Y338 African Politics (3 cr.) **S & H, CSA**  
 Y343 The Politics of International Development  
 (3 cr.) **S & H**  
 Y362 International Politics of Selected Regions  
 (Africa) (3 cr.) **S & H**  
 Y396 Seminar in Political Science (3 cr.) Topic:  
 U.S. and World Hunger and Poverty

### Spanish and Portuguese

P400 Literatures of the Portuguese-Speaking  
 World I (3 cr.) **A & H, CSA**  
 P401 Literatures of the Portuguese-Speaking  
 World II (3 cr.) **A & H, CSA**  
 P415 Women Writing in Portuguese (3 cr.)  
**A & H**  
 P495 Luso-Brazilian Colloquium (1-3 cr.) Topic:  
 Literatures of Africa in Portuguese

### School of Journalism

J414 International News Gathering Systems  
 (Africa) (3 cr.)

### School of Public and Environmental Affairs

E465 Environmental Management in the  
 Tropics (3 cr.)  
 V450 Contemporary Issues in Public Affairs  
 (Africa) (1-3 cr.)

# American Studies Program

## Faculty

**Director** Matthew Pratt Guterl (African  
 American and African Diaspora Studies)

**Associate Director** Deborah N. Cohn  
 (Spanish and Portuguese)

**Distinguished Professors** David N. Baker Jr.  
 (Jacobs School of Music), Richard Bauman  
 (Folklore and Ethnomusicology)

**College Professor** Henry Glassie (Folklore  
 and Ethnomusicology)

**Chancellor's Professors** John Bodnar  
 (History), Raymond DeMallie (Anthropology)

**Professors** Judith Allen (Gender Studies),  
 Patrick Baude (School of Law), Sarah Burns  
 (Art History/Fine Arts), Claude Clegg (History),  
 Stephen Conrad (School of Law), Sandra Dolby  
 (Folklore and Ethnomusicology), Ellen Dwyer  
 (Criminal Justice), Jesse Goodman (School of  
 Education), Michael Grossberg (History), Karen  
 Hanson (Philosophy), Russell Hanson (Political  
 Science), Raymond Hedin (English), David  
 Hertz (Comparative Literature), George  
 Hutchinson (English, Tarkington Chair in  
 Literary Studies), Jeffrey C. Isaac (Political  
 Science), Robert Ivie (Communication and  
 Culture), David James (Sociology), Dawn  
 Johnsen (School of Law), Edward T. Linenthal  
 (History), James Madison (History), Portia  
 Maultsby (Folklore and Ethnomusicology),  
 Audrey McCluskey (African American and  
 African Diaspora Studies), John McCluskey Jr.  
 (African American and African Diaspora  
 Studies), Richard B. Miller (Religious Studies,  
 Poynter Center), David P. Nord (School of  
 Journalism), David J. Nordloh (English),  
 Carol Polsgrove (Journalism), Darlene Sadlier,  
 John Stanfield (African American and African  
 Diaspora Studies), Ronald Wainscott (Theatre  
 and Drama), Gregory Waller (Communication  
 and Culture), Pamela Walters (Sociology),  
 Vernon J. Williams (African American and  
 African Diaspora Studies)

**Associate Professors** Chris Anderson  
 (Communication and Culture), Steven Ashby  
 (Labor Studies), Purnima Bose (English),  
 Mellonee Burnim (Folklore and  
 Ethnomusicology), James Capshew (History  
 and Philosophy of Science), Margo Crawford  
 (English), Nick Cullather (History), Jonathan  
 Elmer (English), Judith Failer (Political Science),  
 Wendy Gamber (History), Helen Gremillion  
 (Gender Studies), Paul Gutjahr (English),  
 Joan Hawkins (Communication and Culture),  
 Jason B. Jackson (Folklore and Ethnomusicology),  
 Stephanie Kane (Criminal Justice), DeWitt Kilgore  
 (English), Barbara Klinger (Communication  
 and Culture, Film Studies), John Lucaites  
 (Communication and Culture), Fred McElroy  
 (African American and African Diaspora

Studies), Radhika Parameswaran (Journalism), Eric Sandweiss (History), Dennis Senchuk (Philosophy), Beverly Stoeltje (Anthropology), Steven Stowe (History), Robert Terrill (Communication and Culture), Jeffrey Wasserstrom (History)

**Assistant Professors** Elizabeth Armstrong (Sociology), John Bowles (Fine Arts), Yoonmee Chang (English), Konstantin Dierks (History), Ilana Gershon (Communication and Culture), Jason Jackson (Folklore and Ethnomusicology), Trica Keaton (African American and African Diaspora Studies), Sarah Knott (History), Emily Maguire (Spanish and Portuguese), Khalil Muhammad (History), Phaedra Pezzullo (Communication and Culture), Yeidy Rivero (Communication and Culture, Latino Studies), David Shorter (Folklore and Ethnomusicology), Marvin Sterling (Anthropology), Ted Striphas (Communication and Culture), Shane Vogel (English)

## Introduction

The American Studies Program (AMST) provides students 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 will attract students with diverse interests who wish to know more about the United States in a comparative, international context.

## Minor in American Studies

**Requirements** Students must complete 15 credit hours. At least 12 credit hours must be at the 200 level or higher; at least two 3-credit American Studies courses must be at the 300-level or higher, including:

1. AMST A100.
2. either A201 or A202.
3. three additional approved courses chosen in consultation with the American Studies advisor; the courses must fit the criteria listed below.

No courses counted toward fulfillment of a student's major requirements may count toward the requirements for this minor. Students must choose courses that will emphasize either United States Arts and Media, or United States Movements and Institutions. See advisor for approved lists of courses.

## Course Descriptions

### A100 Democracy in the Americas (3 cr.)

Students compare and contrast ideas about citizenship, national identity, and the social contract across the hemisphere, focusing on the most basic building block of the nation-state: the formal terms of membership in civil society. Students situate the meaning of the concept in the United States within a hemispheric context.

### A200 Comparative American Identities (3 cr.)

**A & H** 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.

### A201 U.S. Movements and Institutions (3 cr.)

**A & H** Interdisciplinary approaches to 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. Recent topics have included the American City, Sociologies of Consumption, Philanthropy, and the Politics of Voluntarism. May be repeated with a different topic for a maximum of 6 credit hours.

### A202 U.S. Arts and Media (3 cr.) 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.

### A298 Special Topics in Arts and Humanities for American Studies (3 cr.) 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.

**A299 Special Topics in Social and Historical Studies for American Studies (3 cr.) 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.

**A350 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.

**A351 American Studies in Transnational Contexts (3 cr.) A & H P:** A100 or permission of instructor. 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.

**A401 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 different topics for a maximum of 6 credit hours.

**A402 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 non-profit 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.

# Animal Behavior

## Faculty

**Director** Associate Professor Emilia P. Martins

**Professors** Jeffrey R. Alberts (Psychological and Brain Sciences), Colin Allen (History and Philosophy of Science), Ellen Ketterson (Biology), Curtis M. Lively (Biology), Val Nolan Jr. (Emeritus, Biology), Milos Novotny (Chemistry), George V. Rebec (Neural Science, Psychological and Brain Sciences), Dale R. Sengelaub (Neural Science, Psychological and Brain Sciences), Roderick A. Suthers (Medical Sciences, Neural Science), William D. Timberlake (Psychological and Brain Sciences), Peter M. Todd (Psychological and Brain Sciences), Michael J. Wade (Biology)

**Associate Professor** Preston E. Garraghty (Neural Science, Psychological and Brain Sciences), Kevin D. Hunt (Anthropology), Emilia P. Martins (Biology)

**Assistant Professors** Gregory D. Demas (Biology), Laura Hurley (Biology), Troy G. Smith (Biology)

**Senior Scientist** Andrew King (Psychological and Brain Sciences)

**Academic Advisor** Associate Professor Emilia P. Martins, Jordan 136, (812) 856-5840

**Adjunct Professors** Peter Cherbas (Biology), Robert de Ruyter van Steveninck (Physics), Robert DeVoe (Emeritus, Optometry), Julia R. Heiman (The Institute for Research in Sex, Gender, and Reproduction), Elisabeth Lloyd (History and Philosophy of Science), Craig E. Nelson (Biology), Rudolph Raff (Biology), J. C. Randolph (School of Public and Environmental Affairs), Kathy D. Schick (Anthropology), Nicholas Toth (Anthropology), Meredith J. West (Psychological and Brain Sciences)

**Adjunct Associate Professors** Henry D. Prange (Medical Sciences), Laura L. Scheiber (Anthropology), S. Holly Stocking (Journalism)

**Adjunct Assistant Professors** John M. Beggs (Physics), Richard Harbaugh (Kelley School of Business), Armin P. Moczek (Biology), Christine C. Quirk (School of Medicine), Whitney M. (Reilly) Schlegel (Human Biology, Biology), Sima Setayeshgar (Physics)

**Adjunct Associate Scientist** Stephanie Sanders (The Kinsey Institute for Research in Sex, Gender, and Reproduction)

**Adjunct Senior Scientist** Andrew P. King (Psychological and Brain Sciences)

**Program E-mail** cisab@indiana.edu

**Program URL** www.indiana.edu/~animal

## 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.

The undergraduate minor emphasizes courses needed to develop a background in the different disciplines that study animal behavior, providing students with the language they need to transcend traditional disciplinary boundaries and to reflect on the consequences of different intellectual approaches to a single problem.

To complete the minor, students take courses in evolutionary biology, neural sciences, learning, and more. They also have the opportunity to engage in their own independent research and to conduct applied internships in which they apply their newly learned knowledge to practical problems in zoos, museums, and veterinary contexts.

## Undergraduate 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

B200 Bioanthropology (3 cr.)

E200 Social and Cultural Anthropology (3 cr.)

L200 Language and Culture (3 cr.)

### Biology

L111 Introduction to Biology: Evolution and Diversity (3 cr.)

L112 Introduction to Biology: Biological Mechanisms (3 cr.)

E111 Basic Biology by Examination I (3 cr.)

E112 Basic Biology by Examination II (3 cr.)

### Psychological and Brain Sciences

P101 Introductory Psychology I (3 cr.)

P102 Introductory Psychology II (3 cr.)

P106 General Psychology, Honors (4 cr.)

2. Students must also complete at least one of the following courses in animal behavior:
  - BIOL Z460 Ethology (3 cr.)
  - PSY P417 Animal Behavior (3 cr.)

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

### Evolution

BIOL L318 Evolution (3 cr.) *or* BIOL S318 Evolution, Honors (4 cr.)

BIOL L369 Heredity, Evolution, and Society (3 cr.)

### Learning and Development

PSY P325 Psychology of Learning (3 cr.)

PSY P444 Developmental Psychobiology (3 cr.)

**Mechanism**

BIOL Z466 Endocrinology (3 cr.)  
 PSY P326 Behavioral Neuroscience (3 cr.)  
 BIOL L311 Genetics (3 cr.)

4. Students must complete at least one additional upper-level course related to animal behavior. Many courses are possible, including:

**Anthropology**

B368 The Evolution of Primate Social Behavior (3 cr.)  
 B466 The Primates (3 cr.)

**Biology**

Z373 Entomology (3 cr.)  
 Z374 Invertebrate Zoology (3 cr.)  
 L317 Developmental Biology (3 cr.)  
 L376 Biology of Birds (4 cr.)  
 L377 Biology of Amphibians and Reptiles (3 cr.)  
 Z406 Vertebrate Zoology (5 cr.)  
 L433 Tropical Biology (3 cr.)  
 L465 Advanced Field Biology (3 cr.)  
 L473 Ecology (3 cr.)  
 L474 Field and Laboratory Ecology (2 cr.)  
 Z476 Biology of Fishes (4 cr.)

**Cognitive Science**

Q301 Brain and Cognition (3 cr.)

**Medical Sciences**

P416 Comparative Animal Physiology (3 cr.)

**Psychological and Brain Sciences**

P315 Developmental Psychology (3 cr.)  
 P327 Psychology of Motivation (3 cr.)  
 P410 Development of the Brain and Behavior (3 cr.)  
 P411 Neural Bases of Learning and Memory (3 cr.)  
 P416 Evolution and Ecology of Learning (3 cr.)  
 P444 Developmental Psychobiology (3 cr.)

**Undergraduate Area Certificate in Animal Behavior**

A student may earn an area 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 area certificate in Animal Behavior.

In order to complete the area 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 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 Ethnography and Linguistics (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)

**Course Description****A495 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

## Faculty

**Chairperson** Eduardo Brondizio

**Distinguished Professor** Richard Bauman

**Rudy Professor** Emilio Moran

**Chancellor's Professors** Raymond DeMallie,  
Anya Peterson Royce

**Professors** Geoffrey Conrad, Della Cook,  
Paula Girshick, Kevin Hunt, Paul Jamison,  
Douglas Parks, Christopher Peebles, K. Anne  
Pyburn, Nazif Shahrani, Jeanne Sept, Nicholas  
Toth, Kathy Schick, Richard Wilk

**Associate Professors** Joëlle Bahloul, Eduardo  
Brondizio, Gracia Clark, Philip LeSourd, Beverly  
Stoeltje

**Assistant Professors** Susan Alt, Sara Friedman,  
Shane Greene, Frederika Kaestle, Stacie King,  
Sarah Phillips, Laura Scheiber, Marvin Sterling,  
Daniel Suslak, Wesley Thomas, Catherine Tucker

**Lecturer** April Sievert

**Faculty Emeriti** Robert Meier, Patrick  
Munson, Karen Vitelli

**Academic Advising** Student Building 055,  
(812) 856-0905

## 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, organized by both geographical areas and interpretive themes.

## 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 30 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.
3. Remaining credit hours are distributed across advanced courses in any of the four subfields according to student interest. A student may count one additional course at the 200 level. A105, A303, 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.

## 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. One additional course at the 200 level or above.
4. At least two advanced courses (300-400 level) selected in conjunction with the advisor to suit the student's interests.

## Area Certificate in Global Human Diversity

**Purpose** A student may earn an area certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. The Area Certificate in Global Human Diversity is available 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.

**Requirements** The certificate requires 24 credit hours, normally 8 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 E205, Peoples of the World (3 cr.), or ANTH E210, Human Diversity Across Space and Time (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.

### 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. Fellowship support is usually applicable to field school registration and some field programs offer additional financial aid to participants. Anthropology credit for

field school participation is only guaranteed 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 Department of Anthropology, Student Building 130, (812) 855-1041; for study abroad, contact the Office of Overseas Study, Franklin Hall 303, (812) 855-9304.

### Course Descriptions

#### *General Anthropology*

#### **A105 Human Origins and Prehistory (3 cr.)**

**S & H** Human biological evolution and prehistory from the earliest archaeological record through the rise of civilization. Credit given for only one of the following: A105, A103, or A303. A105 does not count toward major. I Sem., II Sem.

#### **E105 Culture and Society (3 cr.) 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. I Sem, II Sem.

#### **A150 Freshman Seminar in Anthropology: Topics (3 cr.) 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.

#### **A200 Topics in Anthropology (3 cr.) S & H**

P. Freshman or sophomore standing or consent of the instructor. Course is geared to the non-major and emphasizes the development of skills in the use of anthropological approaches to study of human behavior and belief. Topics will vary. May be repeated once for credit with different topic.

#### **A205 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.

#### **A208 Topics in the Anthropology of the Arts and Expressive Behavior (3 cr.) 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.

**A303 Evolution and Prehistory (3 cr.) S & H R:** Junior standing. Introductory course for more advanced students. Human beings' place in nature, emergence of humans and contemporary races, development of culture from Paleolithic onward, problems arising from interaction of biological and cultural phenomena. Not open to students who have taken A105. A303 does not count toward major. SS.

**A306 Anthropological Statistics (3 cr.)** 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 the following: A306, Criminal Justice P291, Economics E270 or S270, Sociology S371, Mathematics/Psychological and Brain Sciences K300 or K310, or SPEA K300. (Note that although SPEA K300 fulfills the statistics requirement, it counts as non-College of Arts and Sciences credit hours).

**E303 Introduction to Social and Cultural Anthropology (3 cr.) 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.

**A399 Honors Tutorial (3 cr.) P:** Consent of departmental honors advisor. Research and writing, culminating in honors thesis. May be repeated once.

**A400 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.

**A401 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.

**A403 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.

**A405 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.

**A406 Fieldwork in Ethnography and Linguistics (1-4 cr.)** Eight weeks of summer fieldwork designed and carried out by the student in consultation with faculty members. May be repeated for a maximum of 8 credit hours.

**A408 Museum Practicum (1-4 cr., 8 cr. max.) 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.

**A410 Anthropology Capstone Seminar (3 cr.) 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 coursework to current research and contemporary issues. May be repeated for a maximum of 6 credit hours.

**A495 Individual Readings in Anthropology (1-4 cr.) P:** Consent of instructor. May be taken in successive semesters for credit.

**A496 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*

**B200 Bioanthropology (3 cr.) N & M** Bioanthropology of humans, basic biological principles, morphology, 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.

**B301 Laboratory in Bioanthropology (3 cr.) 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 bicultural perspective in applying methods and techniques of bioanthropology.

**B310 Bioanthropology: A History of Ideas (3 cr.) 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.

**B350 Issues in Human Origins: Creation and Evolution (3 cr.)** A review of the creation/evolution controversy in a seminar setting. Fundamentals of organic evolution covered, especially pertaining to the origin of our species. Additionally, the major arguments as set forth by “scientific creationists” are presented, along with an appraisal of the “balanced treatment” notion that has been proposed for inclusion in public school curricula.

**B368 The Evolution of Primate Social Behavior (3 cr.) 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.

**B370 Human Variation (3 cr.) 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.

**B400 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.

**B405 Fieldwork in Bioanthropology (cr. arr.)** 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.

**B464 Human Paleontology (3 cr.)** P: B200-B301. Human fossils: their structure, classification, evolution, geologic range, and geographical distribution.

**B466 The Primates (3 cr.) N & M** P: A105, 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.

**B470 Human Adaptation: Biological Approaches (3 cr.) 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.

**B472 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.

**B480 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*

**E101 Ecology and Society (3 cr.) S & H** The course examines the evolution of human management of resources. Forms of resource use are studied in terms of demographic, social, organizational, and cultural characteristics.

**E102 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.

**E110 Indians of Mexico: Ancient and Modern (3 cr.) S & H, CSA** Introduction to the cultures and societies of the pre-Columbian and contemporary Indians of Mexico. Considers their religion, arts, social and political organization, subsistence, and everyday life, including roles of women and men. The relationship of the Indian to the colony and the nation is also examined in terms of opposition and integration.

**E200 Social and Cultural Anthropology (3 cr.) 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.

**E205 Peoples of the World (3 cr.) S & H** All peoples have to confront similar challenges in order to survive and thrive as individuals and as societies. This course will examine how eight or nine cultures around the world shape their values, behaviors, institutions, and stories in response to external and internal challenges.

**E210 Human Diversity across Space and Time (3 cr.) 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?

**E230 American Ethnic Diversity (3 cr.) S & H**

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.

**E240 Southwestern American Indian Ritual and Belief (3 cr.) S & H, CSA**

This seminar will examine the beliefs and rituals of several of the Indian peoples of the Southwest, particularly the Apache, the Navajo, and the Pueblo peoples. After setting the historical and ethnographic context, we will look at beliefs and rituals focusing on origins, sacred places, healing, the natural environment, life passages as well as other topics. Credit given to anthropology majors and minors.

**E250 Voices of Women in Ethnographic Study (3 cr.) S & H**

Ethnographic approaches to women’s experience and influences on that experience, such as the 16th- and 17th-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.

**E260 Culture, Health, and Illness (3 cr.)**

**S & H, CSA** 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.

**E300 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.

**E302 Laboratory in Ethnography (3 cr.) 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.

**E306 Hasidic Culture and Oral Tradition (3 cr.)**

The contemporary Hasidic community is studied in terms of its history, beliefs and values, and unique social system. Factors affecting continuity and change, religious revitalization, and sect development will be considered. Special attention will be given to

Hasidic tales, as well as plays, memoirs, and anthropological studies.

**E307 Shamanism and Spirit Possession (3 cr.)**

**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.

**E310 Introduction to the Cultures of Africa (3 cr.)**

**A & H, CSA 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.

**E312 African Religions (3 cr.) A & H, CSA**

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.

**E319 American Indian Religions (3 cr.)**

**S & H, CSA** 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.

**E320 Indians of North America (3 cr.) S & H, CSA**

Ethnographic survey of culture areas from the Arctic to Panama plus cross-cultural analysis of interrelations of culture, geographical environment, and language families.

**E321 Peoples of Mexico (3 cr.) S & H, CSA**

Surveys modern Indian groups, peasant societies, problems of acculturation, and urbanization in contemporary Mexico.

**E322 Peoples of Brazil (3 cr.) S & H, CSA**

Cultural traditions in Brazil: Indian, Iberian, and African; evolving regional subcultures. Current issues about Brazilian society.

**E323 Indians of Indiana (3 cr.) S & H, CSA**

An introduction to the history and culture of the two principal Native American Nations of Indiana, the Miami and the Potawatomi. The course takes an ethnohistorical approach, investigating the past and present of these

communities on the basis of anthropological research as well as historical documents.

**E324 Native American Art (3 cr.) A & H, CSA**

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.

**E327 Native Amazonians and the Environment (3 cr.) S & H, CSA**

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.

**E328 Ecological Anthropology (3 cr.) S & H**

Survey of anthropological approaches to the study of human interaction with the environment: history of ideas, major theories, critiques, and contemporary approaches.

**E329 Indians in the United States in the Twentieth Century (3 cr.) S & H, CSA**

Position of the Indian as an ethnic minority, including health, education, economy, and political consideration of proposals to change the Indians' status.

**E330 Indians of South America (3 cr.)**

**S & H, CSA** The cultural development and contemporary life of aboriginal societies in the lowland and Andean areas of the continent. Ethnic relationships and characteristics of major cultural groups are examined through detailed study of representative tribal units.

**E332 Jewish Women: Anthropological Perspectives (3 cr.) S & H, CSA**

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.

**E333 Peoples of the Andes (3 cr.) 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.

**E334 Jews in Moslem Society (3 cr.) S & H, CSA**

This course will investigate ethnicity

processes in Moslem society through the case study of Middle Eastern Jewish communities. These minorities will be studied through an analysis of their culture, their social organization and religious practices, and their relationships with their Moslem neighbors.

**E335 Ancient Civilizations of Mesoamerica (3 cr.) S & H, CSA**

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.

**E340 Indians of Mexico and Central America (3 cr.) S & H, CSA**

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.

**E345 China through Anthropological Eyes (3 cr.) S & H, CSA**

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.

**E348 Peoples and Cultures of Russia, Ukraine, and Newly Independent States (3 cr.) S & H, CSA**

An introduction to the peoples and cultures of Eurasia, especially the former Soviet Union. Uses case studies and ethnographies to learn about the histories of specific regions and groups, and to discuss religion and tradition, historical memory and cultural heritage, gender, childhood, and popular culture.

**E370 Peasant Society and Culture (3 cr.)**

**S & H, CSA** P: Junior standing. Examination of the development of peasantries in world perspective. Historical formation, economic function, and sociopolitical role of peasantries in relation to their sociocultural contexts. General worldview, religious outlook, and political ideology of folk societies. Prospects for change in peasant societies.

**E371 Modern Jewish Culture and Society (3 cr.) S & H, CSA**

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.

**E372 Racism, Anthropology of Prejudice (3 cr.) S & H**

Review of anthropological approaches to racism and prejudice as they are expressed in specific contexts such as the

colonial system, multiracial and multiethnic societies, and anti-Semitic social systems.

**E380 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.

**E381 Ethnographic Analysis of Family, Work, and Power (3 cr.)** 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.

**E382 Memory and Culture (3 cr.)** 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.

**E385 Applied Anthropology (3 cr.)** 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.

**E387 The Ethnography of Europe (3 cr.)** S & H, CSB 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.

**E392 Ethnography of the United States (3 cr.)** S & H "American culture" is familiar the world over as values, styles, and material goods. Yet American diversity (ethnic, regional, individual) makes "American culture" an elusive subject within the United States. Thus, the United States has long been the focus of ethnographic experimentation and innovation. Seminar explores recent themes, debates, and opportunities for ethnographic discovery in the United States.

**E394 Stories and Stereotypes: Discourses of Difference (3 cr.)** 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.

**E397 (CEUS U397) Peoples and Cultures of the Middle East (3 cr.)** S & H, CSA 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: 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, gender. Credit given for only one of ANTH E397, CEUS U397, or NELC N397.

**E398 (CEUS U398) Peoples and Cultures of Central Asia (3 cr.)** S & H, CSA 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: 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, dynamics of current conflicts and future prospects. Credit given for only one of ANTH E398 or CEUS U398.

**E400 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.

**E404 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.

**E405 Principles of Social Organization (3 cr.)** P: E200. Comparative analysis of the social organization of selected societies from the perspectives of major theoretical positions in social and cultural anthropology.

**E407 Visual Anthropology: Filmmaking (3 cr.)** P: Junior standing or permission of instructor. Experimental filmmaking concerning social behavior, institutions, and customs.

**E408 Talk, Tales, and Television: Africa, Europe, the United States (3 cr.)** Colonialism, the slave trade, apartheid, African music, Roots, Hollywood. These subjects link Americans, Europeans, and Africans together, 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.

**E412 Anthropology of Russia and Eastern Europe (3 cr.) S & H, CSA** 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.

**E416 Anthropology of Tourism (3 cr.) 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.

**E417 African Women (3 cr.) S & H, CSA** 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.

**E418 Globalization and Consumer Culture (3 cr.) S & H, CSA** 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.

**E420 Economic Anthropology (3 cr.) S & H** R: E105, E200, or E303. Examines the economic systems of diverse peoples and asks fundamental questions about human nature and how people make important decisions in their lives. Includes studies of gift giving, markets, globalization, gender, and economic development.

**E421 Food and Culture (3 cr.) 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.

**E423 Life Histories (3 cr.) 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.

**E425 Ethnozoology: Studies in American Indian Subsistence (3 cr.)** Survey of faunal and floral use by late prehistoric and early historic American Indian groups. Entails library research, and writing and presentation of papers.

**E427 Human Adaptation: Cultural Approaches (3 cr.) S & H** Reviews cultural and behavioral responses to environmental stresses such as extreme cold in the Arctic, hypoxia at high altitude, low productivity due to water scarcity in arid lands, and environmental patchiness in the humid tropics.

**E430 Kinship Organization (3 cr.) S & H** P: E200 or graduate standing. A review of the history and theory of kinship analysis in the British and American traditions.

**E436 The Politics of Marriage (3 cr.) 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.

**E440 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.

**E444 People and Protected Areas: Theories of Conservation (3 cr.) 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.

**E445 Seminar in Medical Anthropology (3 cr.) 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.

**E451 Myth and Legend: Cultural Meanings and Interpretations (3 cr.)** P: Junior standing or consent of instructor. Anthropological approaches to the study of myth and legend. Emphasis on analysis of tales in their social context.



**E455 Anthropology of Religion (3 cr.) 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.

**E457 Ethnic Identity (3 cr.) S & H** P: E105, E200, E303, or consent of instructor. Nature of ethnic groups and identity viewed in cross-cultural perspective; effects of colonialism and nationalism on ethnic groups; use of identity as an adaptive strategy; stereotypes and stereotyping; symbols and styles of ethnic identity; and retention and elaboration of local styles.

**E460 The Arts in Anthropology (3 cr.) A & H**  
An overview of visual art, music, dance, drama, and oral literature, viewed as structural entities, as aspects of human behavior, and in terms of their anthropological context.

**E462 Anthropological Folklore (3 cr.)** P: Junior standing. Function, forms, and interpretations of folklore in traditional societies. Folklore as an expression of continuity and change.

**E463 Anthropology of Dance (3 cr.) 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.

**E475 Law and Culture (3 cr.) CSA** 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.

**E480 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.

**E485 Art and Craft of Ethnography (3 cr.) 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, modes of presentation, standards, craft, art, and evaluation are examined through specific cases and exemplary ethnographies.

**E490 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*

**L200 Language and Culture (3 cr.) S & H**  
An introduction to the study of language and its relations to the rest of culture. I Sem., II Sem.

**L310-L311 Elementary Lakota (Sioux) Language I-II (4-4 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.

**L312-L313 Intermediate Lakota (Sioux) Language I-II (4-4 cr.)** Study of more complex Lakota grammatical structures, with emphasis on development of active reading, writing, and speaking skills.

**L318 Navajo Language and Culture (3 cr.) CSA** An introduction to the Navajo language and an exploration of it as an integral dimension of Navajo culture. Topics, including Navajo history, kinship, ritual life, beliefs, and literature, will be grounded in the appropriate dimensions of Navajo grammar. In addition, the course provides a case study to review the major issues in the field of language and culture.

**L320 American Indian Languages (3 cr.) 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.

**L330 Mesoamerican Languages: Structure, History, Social Context (3 cr.) S & H**  
Introductory survey of the indigenous languages of Mesoamerica. Covers the genetic and typological classification of these languages and the social and historical contexts in which they have been and continue to be spoken. Students will have hands-on opportunities to work with native speakers of these languages.

**L400 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.

**L407 Language and Prehistory (3 cr.)**

**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*

**P200 Introduction to Archaeology (3 cr.) 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.

**P210 Life in the Stone Age (3 cr.) 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.

**P220 The Rise and Fall of Ancient Civilizations (3 cr.) S & H**

Archaeology of the earliest high civilizations of the Old and New Worlds (Mesopotamia, Egypt, the Indus Valley, China, Mesoamerica, and Peru). Both an introductory survey of prehistoric civilizations and an exploration of the nature and development of civilization and the state.

**P230 Archaeology of the Ancient Maya (3 cr.)**

**S & H, CSA** 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.

**P240 Archaeology and the Movies (3 cr.) 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.

**P301 Archaeological Methods and Analyses (3 cr.) P:**

P200 or consent of instructor. Laboratory analysis of archaeological materials (classification,

description, quantification) within a framework of answering specific questions about past human behavior and activities: chronology, subsistence, seasonality, tool functions. Credit not given for both P400 and P301.

**P302 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.

**P310 Prehistory of Europe and Asia (3 cr.)**

**S & H** Prehistoric cultures of Europe and Asia, from Old Stone Age through Iron Age.

**P314 Earlier Prehistory of Africa (3 cr.) 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.

**P315 Later Prehistory of Africa (3 cr.) S & H**

A survey of prehistoric developments on the African continent from about 20,000 years ago to the appearance of written history.

**P330 Historical Archaeology (3 cr.) S & H**

We will examine the ways in which historical archaeologists investigate Colonial and American cultures and lifeways in various regions of North 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.

**P350 Archaeology of Ancient Mexico (3 cr.)**

**S & H, CSA** 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.

**P360 North American Archaeology (3 cr.) 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.

**P361 Prehistory of the Midwestern United States (3 cr.) 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.

**P362 Prehistory of the Southeastern United States (3 cr.)** 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.

**P363 North American Prehistory through Fiction (3 cr.) 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.

**P365 Archaeology of Western North America (3 cr.) S & H** An exploration of the archaeology of western North America by addressing current topics, including Paleoindian research, hunter-gatherer continuums, farming communities, emergent complexity, interregional exchange, postcolonial culture contact, and archaeological ethics. Emphasis is placed on archaeological evidence west of the Mississippi River. Theoretical foundations and methodological advances will also be considered.

**P370 Ancient Civilizations of the Andes (3 cr.) CSA** 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.

**P371 Prehistory of Lowland South America (3 cr.) CSA** A survey of the ecological background of prehistoric lowland South American cultures, their cultural content, their chronology, and the significance of major sites to the development of cultures in South America.

**P380 Prehistoric Diet and Nutrition (3 cr.) 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.

**P385 Paleolithic Technology Laboratory (3 cr.) N & M P:** Consent of instructor. Identification, analysis, classification, measurement, quantification, and illustration of Paleolithic artifacts.

**P390 Geoarchaeology and Taphonomy (3 cr.)** 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.

**P399 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.

**P405 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.

**P406 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).

**P409 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.

**P425 Faunal Osteology (5 cr.) 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.

**P426 Problems in Zooarchaeology (5 cr.)** A course designed to allow students to obtain additional practice in identification and interpretation of faunal specimens. Includes individual projects in preparation, preservation, and curation of faunal collections, as well as encouraging the preparation of a publication-ready paper.

# Apparel Merchandising and Interior Design

## Faculty

**Chairperson** C. Thomas Mitchell

**Professor** Kathleen Rowold

**Associate Professor** C. Thomas Mitchell

**Assistant Professors** Heather Akou,  
Theresa Winge

**Senior Lecturers** Mary Grusak, Cynthia Landis, Eloise Paul, Janis Shaffer, Olivia Snyder

**Lecturer** Marleen Lipsick-Newman

**Sage Historic Costume Collection Curator**  
Kathleen Rowold, (812) 855-0338

**Assistant Curator** Kelly Richardson,  
(812) 855-4627

**Merchandising Education and Research Center Director** Janis Shaffer, (812) 855-6165

**Academic Advising** Sheila Maben,  
Memorial Hall East 228, (812) 855-7737,  
smaben@indiana.edu

## Introduction

The Department of Apparel Merchandising and Interior Design (AMID) consists of programs that examine consumer-oriented and aesthetic components of the near environment. In the apparel merchandising program students are exposed to the processes used in creating apparel, as well as the means by which these are merchandised. The interior design program addresses the multidisciplinary design process used in the creation of interior space. The Certificate in Fashion Design combines the studio arts of fashion with a major in a related area.

AMID offers two special resources.

The Elizabeth Sage Historic Costume Collection consists of more than 20,000 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. The Merchandising Education and Research Center (MERC) is the nucleus for the curricular, extracurricular, and research activities of the IU apparel merchandising program. MERC offers educational opportunities for students and members of the retailing community and provides consultation and research services in innovative merchandising and retailing strategies.

## Majors in Apparel Merchandising or Interior Design—B.S.

**Purpose** This program provides the student with two options: a concentration in apparel merchandising or a concentration in interior design. These options integrate knowledge from the arts and the physical, social, and business

sciences with behavioral and technical studies in textiles, apparel, furniture, and interior design. Supervised internships are available.

Upon admission to the apparel merchandising major, students must complete all courses required for the major with a C- or higher, including all required courses outside of AMID, and must have a minimum 2.000 overall GPA in all courses required for the major.

Upon admission to the interior design major, students must receive a grade of C- or higher in extra-departmental requirements and in H265. They must receive a grade of B- or higher in H168 to be considered for enrollment in H271. They must complete all other AMID requirements with a grade of C or higher. Students not receiving a grade of C or higher in any studio or its corequisite lectures/labs will not be permitted to enroll in interior design courses the following semester. Students may not enroll in any co-requisite lab/lecture course in interior design until they are eligible to enroll in the respective co-requisite studio course.

## Requirements in Fundamental Skills and Distribution Courses

1. Writing and mathematics, same as B.A.
2. Foreign language, two years *or* one year of foreign language and two culture studies courses.
3. Arts and humanities, 12 credit hours.
4. Social and historical studies, 12 credit hours.
5. Natural and mathematical sciences, 8 credit hours.

## Apparel Merchandising—B.S.

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 special minor from the Kelley School of Business. Students are encouraged to select a series of related topics from within the AMID courses in order to construct an apparel concentration in either merchandising, apparel technology, costume history, or consumer studies.

**Purpose** 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, and wholesale sales.

**Requirements** Apparel merchandising majors must complete a total of 32 AMID credit hours, including AMID H100, H203, H204 or H207, H209, H315, H404, H413 and H414, H440; plus 9 credit hours of 300- to 400-level AMID electives. Apparel merchandising majors must also complete selected courses outside AMID, including:

1. Business K201 or Computer Science A110, Economics E201 and E202, Psychological and Brain Sciences P101, and Sociology S100.
2. Kelley School of Business courses: Accounting A200 and Marketing M300.
3. Either Business L201 or Z302.
4. Two of: Business M405, M415 or M419.
5. Business X420 or ASCS Q299.

## Business Minor for Apparel Merchandising Majors

**Requirements** Students earning a bachelor's degree with a major in apparel merchandising may obtain a minor in business by successfully completing the courses listed above.

**Note:** Students pursuing this option, with the approval of their faculty advisor, may substitute supporting courses in other divisions (such as journalism, telecommunications, or fine arts) for the business minor.

Apparel merchandising majors may exceed the normal maximum of 22 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, M303, M405, M415, M419, X420, Z302 or other business courses recommended by the student's academic advisor.

## Minor in Apparel Merchandising

**Requirements** A student may declare a minor in apparel merchandising after completing a minimum of 26 credit hours with a GPA of 2.000 or higher.

Students minoring in apparel merchandising must take AMID H100 or H209, H203, and H413 and select two from AMID H308, H309, H327, H352, H401, H404, H406, H409, H410, H411, and H412.

## 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** Interior Design majors must complete a total of 42 AMID credit hours, including H168, H264, H265, H271, H272, H277, H335, H363, H368, H373, H374, H469, H475, and H476; plus selected courses outside AMID,

including Fine Arts A102, and any two of the following three courses: F100, F101, and F102.

The interior design major requires four academic years to complete. Only students who successfully transfer interior design courses from another institution or campus to IU Bloomington can complete the major in less than four academic years. See "Transferred Credit" and "Transferred Credit Review."

**Transferred Credit** All interior design courses transferred from another institution or campus must be evaluated 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. See "Transferred Credit Review."

**Transferred Credit Review** Courses in interior design that have been transferred to IU Bloomington from another institution or campus are not counted as part of an interior design major unless they have been reviewed and accepted by an appropriate member of the interior design faculty.

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.

## Certificate in Fashion Design

**Purpose** A student may earn an area certificate as part of completing the bachelor's degree and in addition to completing the requirements for a major. The certificate program in Fashion Design serves students seeking to combine the studio arts of fashion with a major in a related area. Depending on the related area, students completing the certificate will be prepared for a variety of careers in the fashion industry (such as design, theatrical costuming, marketing, and journalism), as well as graduate work in, for example, museum studies, costume design, and collection management.

**Requirements** Students pursuing the Certificate in Fashion Design must complete 27 credit hours in three categories of course work (fashion design and construction; drawing and portfolio; and theory and history), including H203, H207, H211, H217, H303, H305, H317, H417, either H306 or H408, and either H311 or H340. Students must complete each course required for the certificate with a grade of C- or higher, and students must have a minimum GPA of 2.000 in all courses required for the certificate.

**Note:** Certificate course work begins in the fall. No more than 24 students are admitted in any one year. Contact program director Professor Kathleen Rowold 6-12 months in advance to discuss admission.

## Course Descriptions

### *Apparel Merchandising/Textiles/Apparel*

**H100 Introduction to Apparel and Textiles (3 cr.)** The origins and motives of dress, the interdisciplinary study of apparel and textiles, and introduction to apparel and textile research. Investigation of careers in the textile and apparel industry. I Sem.

**H203 Textiles (3 cr.)** P: H100 or H209. Textile fibers, yarns, fabrication, and finishes, textile processing and properties; selection and care of textiles for human use. Two lectures plus laboratory. Lab fee required. I Sem., II Sem.

**H204 Apparel Manufacturing and Quality Analysis (3 cr.)** P: H203. Apparel manufacturing as related to technology, product performance, quality, and value of the product to the consumer. I Sem., II Sem.

**H207 Apparel Structure Principles (3 cr.)** P: H203. Fabric manipulation, pattern selection, pattern alteration, and garment-fitting techniques applied to basic apparel construction. Lecture and studio class. Lab fee required. I Sem.

**H209 Apparel Industries (3 cr.)** An overview of the fashion industry as it relates to the economic, social, and business factors involved in various components of the industry. Men's, women's, children's, accessories and hard line businesses are evaluated as well as career opportunities in wholesale and retail sectors. II Sem.

**H211 Fashion Design I: Conceptualization (1 cr.)** P: H207. Exploration of aesthetic and/or historical inspiration and foundation for developing a fashion line. Development of design philosophy and concepts leading to a fashion line for senior project.

**H217 Fashion Design II: Interpretation (3 cr.)** P: H211. Fundamental principles and processes of planning a fashion line, including interpreting design concepts and themes, designing and sketching ensembles, and coordinating fabrication, color, and texture.

**H303 Experimental Apparel Structure (3 cr.)** P: H207 with a grade of C or higher. Experimental study in design and construction of apparel using a variety of fabrics and designer techniques. Lecture and studio class. May be repeated for a maximum of 6 credit hours. Lab fee required. II Sem.

**H305 Creative Apparel Design—Pattern Drafting (3 cr.)** P: H303 with grade of C or higher. Apparel design through the

fundamental principles and processes of the pattern development methods. Experimentation with sloper development and pattern drafting to produce original apparel designs. Lecture and studio class. Lab fee required. May be repeated for a maximum of 6 credit hours.

**H306 Tailoring (3 cr.)** P: H303 with grade of C or higher. Precise techniques in contemporary and traditional tailoring. Lecture and studio class. May be repeated for a maximum of 6 credit hours. Lab fee required. II Sem.

**H308 Brand Management and Advertising (3 cr.)** Utilization of advertising as a strategic marketing initiative to create and develop brand awareness and loyalty.

**H309 Strategies in Retail Promotion (3 cr.)** P: H100, H209. Application of design elements and principles to commercial display and development of creative visual merchandising techniques; various media explored.

**H311 History of Textiles and Costume I (3 cr.)** P: H100, H203. R: one course in European history. Costume in Western civilization relating to social, economic, political, and religious events from early civilization through seventeenth century. II Sem. Odd years only.

**H315 Principles of Merchandising (3 cr.)** P: H100, H203, H209, or permission of instructor. Examination of the contemporary retail environment as it relates to merchandising principles, such as the retail organizational structure; concepts examined include pricing strategy, mark-ups, mark-downs, profit and loss statements; emphasis on comprehensive analysis using merchandising principles.

**H317 Fashion Drawing (3 cr.)** P: FINA S200. Basic principles of drawing applied to the fashion figure. Use of various media leading to proficiency in rendering of texture, drapery, and the human figure as found in fashion drawing.

**H319 Professional Techniques in the Retail Industry (1 cr.)** P: H100, H209. Professional techniques and competencies applicable to careers in the apparel and related industries; prepares students for practicums and internships.

**H321 Practicum in the Retail Industry (1-3 cr.)** P: H209, H315, and H319. Provides apparel merchandising majors an off-campus supervised and coordinated work experience in the apparel industry. Does not require leaving campus for a semester. Maximum total of 6 credits given among the following: Y398, H321, H403.

**H325 Creative Apparel Design: Shape and Foundation (3 cr.)** P: H303 with grade of C or higher. Fundamental principles of design and construction for garment inner-shaping and foundation; manipulation of a variety of

materials and techniques to produce original designs featuring complex super-structures. Lecture and studio class. Lab fee required.

**H326 Creative Apparel Design: Accessories (3 cr.)** P: H303 with a grade of C or higher. Fundamental principles and techniques for design and construction of accessories including gloves, hats, handbags, jewelry, and masks; manipulation of a variety of materials to produce original accessory design. Lecture and studio class. Lab fee required.

**H327 Product Development (3 cr.)** P: H315 and 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.

**H328 CAD for Apparel Merchandising (1-3 cr.)** P: H327 and consent of instructor. Computer application for design marketing and merchandising in the apparel and textile industries. Includes color, graphics, prints, knits, and wovens. May be repeated with a different topic for a maximum of 6 credit hours. Lab fee required.

**H340 History of Textiles and Costume II (3 cr.)** P: H100, H203. R: one course in European history. History of textiles and costume in Western civilization relating to social, economic, political, and religious events in the eighteenth through twentieth centuries; emphasis on the emergence and evolution of the haute couture. II Sem. Even years only.

**H352 Aesthetics of Dress (3 cr.)** P: Junior standing or permission of instructor. Aesthetics of dress as a medium of visual communication. Considerations include aesthetic norms, color psychology, elements and principles of design, appearance management strategies, and apparel product design process.

**H401 Cultural Aspects of Dress (3 cr.)** CSA P: Junior standing and 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.

**H402 Collection Management for Historic Textiles and Costumes (3 cr.)** P: H203, H311, H340, junior standing. 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. Repeatable up to 6 credit hours. SS.

**H403 Practicum in Collection Management for Historic Textiles and Costume (1-3 cr.)** P: H402 or consent of instructor, junior standing. Individual work in selected area of collection management for historic textiles and costume. Repeatable up to 6 credit hours. Maximum total of 6 credits given among the following: H321, H403, Y398.

**H404 International Textiles and Apparel Trade (3 cr.)** P: H203, BUS M300, ECON E202, and junior standing. International factors affecting the textiles and apparel industries and their impact on the economy and consumers; competitive status of United States textile and apparel sectors within the context of a global economy. I Sem.

**H406 Fashion Analysis and Theory (3 cr.)** P: Junior standing. Survey of methodologies and research techniques for analysis of fashion diffusion and change.

**H408 Creative Apparel Design-Draping (3 cr.)** P: H303 with grade of C or higher. Apparel design through the fundamental principles and processes of draping; manipulation of two-dimensional materials directly on dress form to produce original apparel design. Lecture and studio class. Lab fee required.

**H409 Apparel Industry Field Seminar (3 cr.)** P: Consent of instructor. Study tour designed as an overview of the apparel and textile industry, taught through a series of seminars conducted by business professionals outside the Bloomington community. May not be repeated for credit.

**H410 Apparel Entrepreneurship (3 cr.)** P: Junior standing. In-depth study and development of individualized plans for opening an apparel-related retail store, including entrepreneurship concept, accounting and control, merchandising and buying, operation and management, and advertising and promotion.

**H411 Behavioral Aspects of Dress (3 cr.)** S & H P: Junior standing or consent of instructor. Basic concepts and theories from social psychology will be used to study how clothing affects the self and others.

**H412 Global Sourcing (3 cr.)** P: 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.

**H413 Planning and Analysis (3 cr.)** P: H100 or H209, and H203. C: H414 for majors only. Essentials of merchandise buying and planning: consumer trends, market resources and trade practices, seasonal plans, assortment planning and analytic tools for inventory evaluations.

**H414 Computerized Merchandise Planning (1 cr.)** P: H315, junior standing, or consent of instructor. C: H413. Hands-on knowledge of how merchandising math and planning software is integrated, as well as how computerized data is analyzed and applied, within the retailing industry.

**H415 Readings in Textiles and Apparel (1-3 cr.)** P: H203, 6 additional credit hours in textiles and apparel, and consent of department. 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.

**H417 Fashion Design III: Presentation (2 cr.)** P: H305 and H306. Planning and presenting senior fashion line, development of accompanying research documentation, and preparation of portfolio.

**H440 Senior Seminar (1 cr.)** Contemporary issues from corporate politics to legal and ethical concerns in the workplace. Capstone course for apparel merchandising majors, including completion of the program portfolio and final assessment.

**H481 Seminar in Consumer Studies (3 cr.)** In-depth examination and analysis of selected consumer concerns about resources of food, clothing, and shelter. Emphasis on discussion and critical evaluation of literature. Repeatable up to 6 credit hours.

#### *Interior Design*

**H168 Beginning Interior Design (3 cr.)** Focus on critical and analytical ability, reasoned understanding and rational application of design elements and principles, development of vocabulary, attitudes and skills basic to design and interior design.

**H264 Basic AutoCAD for Interior Design (3 cr.)** P: Grade of C or higher in H271; C: H272, H277. Basic two-dimensional AutoCAD skills for professional practice of interior design: document and database generation, computer-aided drafting and design. Lab fee required. II Sem.

**H265 History of European and American Furniture and Interiors, 1730-1830 (3 cr.) S & H** Study of French, English, and American period furnishings, designers, and interior environments, 1730-1830.

**H271 Interior Design I—Three-Dimensional Interior Design (3 cr.)** P: Grade of B- or higher in H168 and consent of instructor. Fundamentals of drawing and rendering in two and three dimensions, presentation methods, and design practices. I Sem.

**H272 Interior Design II—Space Design (3 cr.)** P: Grade of C or higher in H271. C: H264, H277. Introduction to fundamentals of space design for human activity; space standards, programming, and graphic communication. Lab fee required. II Sem.

**H277 Materials and Components of Interior Design (3 cr.)** P: Grade of C or higher in H271. C: H264, H272. 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. II Sem.

**H335 Lighting Interior Spaces (3 cr.)** P: Grade of C or higher in H272, H264, H277. C: H363, H373. Introduction to the general principles, factors, and techniques of interior lighting, including planning, analysis, calculation methods, aesthetics, cost of projection, hardware, codes, and presentation methods. Field trips required. Credit not given for both AMID H335 and THTR T335. I Sem.

**H363 Design Methods (3 cr.)** P: Grade of C or higher in H272, H264, and H277. C: H335 and H373. Introduction to the basic techniques of design research and evaluation, emerging trends in design thinking, and state-of-the-art design methodologies. I Sem.

**H368 Contemporary Issues in Environmental Design (3 cr.)** P: Grade of C or higher in H363, H373. C: H374. Study of philosophical, theoretical, historical, behavioral, technological, and research issues of contemporary interest to environmental design. II Sem.

**H373 Interior Design III—The Dwelling (3 cr.)** P: Grade of C or higher in H272, H264, and H277. C: H363. Design of dwellings for individuals and groups in a variety of contexts. Integration of social, technical, spatial, and environmental factors. Lab fee required. I Sem.

**H374 Interior Design IV—The Workplace (3 cr.)** P: Grade of C or higher in H335, H363, H373. C: H368. Design of work spaces for a variety of individuals and organizations. Integration of organizational, ergonomic, technical, spatial, and environmental factors. Lab fee required. II Sem.

**H394 Advanced CAD Applications for Interior Design (3 cr.)** P: Grade of C or higher in H264. Advanced CAD visualization for professional design practice: three-dimensional modeling and visualization, image processing, animation, and multimedia presentation. Lab fee required. I Sem.



**H467 Building Blocks: Developments in Interior Design (1 cr.)** P: Junior standing. Practitioners in architecture, interior design, and related professions discuss the steps and processes in planning a building and its interior spaces from initial planning through post-occupancy evaluation. Building type (office, residence, store, hotel, etc.) varies by semester. May be repeated for up to 3 hours of credit. II Sem. (second eight-week intensive).

**H469 Professional Practices in Interior Design (3 cr.)** P: Grade of C or higher in H363, H368, and H374; C: H475. Survey of business procedures and practices and of professional values and standards for interior designers. I Sem.

**H475 Interior Design V—Comprehensive Design (3 cr.)** P: Grade of C or higher in H264, H363, H368, H374; C: H469. Interdisciplinary team approaches to solution of comprehensive design problems utilizing contemporary design methods and procedures. Lab fee required. I Sem.

**H476 Interior Design VI—Special Populations (3 cr.)** P: Grade of C or higher in H264, H363, H368, H469, and H475. Design of habitats and work spaces for special populations. Lab fee required. II Sem.

**H480 Readings in Interior Design (1-3 cr.)** P: H168, 6 additional credits 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.

*General Apparel Merchandising and Interior Design*

**Y398 Internship in Professional Practice (2-6 cr.) (S/F grading)** P: Junior standing, approval of department. For retailing experience, H315 and M300 required; for interior design experience H272 required. For other professional practice areas, see department chair for prerequisites. Provides AMID majors an off-campus supervised and coordinated career-work experience in a cooperating business, a consumer agency, or other related fields. Maximum total of 6 credit hours given among the following: Y398, H321, and H403.

**H490 Special Problems: Topic (1-3 cr.)** P: Senior standing, consent of department. Individual work under supervision on problems of special interest. May be repeated for up to 9 credit hours.

# Astronomy

## Faculty

**Chairperson** Catherine A. Pilachowski

**Professors** Haldan N. Cohn, Richard H. Durisen, Phyllis M. Lugger, Stuart L. Mufson, Catherine A. Pilachowski

**Associate Professor** Constantine P. Deliyannis

**Assistant Professor** Liese van Zee

**Academic Advising** Swain Hall West 319, (812) 855-6911

## 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, the Morgan-Monroe State Forest Observatory, and the Wisconsin-Indiana-Yale NOAO Observatory. Students also use the extensive computing facilities in Swain Hall.

## Major in Astronomy and Astrophysics

Students must complete the following fundamental skills and distribution requirements for the B.S. in Astronomy and Astrophysics.

1. Writing, same as the general requirements for the B.A. degree.
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.

**Concentration Requirements** Students must complete the following:

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 requirements and procedures listed under "General Requirements for Bachelor's Degrees" in this bulletin.

**Recommendations** The following additional physics courses are highly recommended for

students planning graduate study in astronomy and astrophysics: P321, P340, P460, and an additional 400-level sequence (P441-P442 or P453-P454). Other suggested courses are Physics P309, P400; Mathematics M312, M344; Computer Science A201-A202 or C211-C212; Geological Sciences G121; History and Philosophy of Science X222, X390, X391; Chemistry C117, C118.

### 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: two 100-level astronomy courses (all combinations are acceptable except A100 and A110, or A105 and A110) A221, A222, and one of A305, A320, A451 or A452. Altogether, these provide at least 17 credit hours. A student must take all necessary prerequisites, including some mathematics and physics classes. Substitution of other astronomy courses may be made with the permission of the department. Replacement of 100-level astronomy courses by 300- or 400-level astronomy courses is encouraged. The cumulative GPA of all courses taken for the minor must be at least 2.000.

### 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 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.

### Recommended Schedule for Honors Astronomy and Astrophysics Program

#### 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 A305, A451, A452, or A453 (A305, A452, and A451 are offered in alternate years).

#### Senior

Physics P441-P442 or P454

Astronomy A305 and S499. A451, A452, or A453

### Course Descriptions

**Note:** A100, A102, A103, A105, A110, and A115 are introductory astronomy courses of comparable difficulty. No one of them is considered a prerequisite for any other. A110 is a survey of all modern astronomy in one course. A100 and A105 divide the A110 material into two parts. Taken together, A100 and A105 cover essentially the same material as A110 but in greater depth. A102 covers selected topics in astronomy with an emphasis on the role of gravity. A115 is an introduction to cosmology that also covers many topics in basic astronomy.

**A100 The Solar System (3 cr.) 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 not given for both A100 and A110. I Sem., II Sem., SS.

**A102 Gravity, the Great Attractor: Evolution of Planets, Stars, and Galaxies (3 cr.) N & M, TFR** 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.

**A103 The Search for Life in the Universe (3 cr.) N & M** Explores the origin, nature, and history of life on Earth, prospects for life in our own and other planetary systems, extra solar planet detection, and the possibility of other technological civilizations.

**A105 Stars and Galaxies (3 cr.) 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.

**A110 Introduction to Astronomy (3 cr.) N & M** Earth as a planet, satellites, and comets. The Sun. Properties of stars, stellar systems. Extragalactic objects. The nature of the observable universe. Credit not given for both A100 and A110, nor for both A105 and A110. I Sem., II Sem., SS.

**A115 Birth and Death of the Universe (3 cr.) 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. A115 does not count toward the astronomy or the astrophysics major.

**A221 General Astronomy I (4 cr.) N & M** P: College algebra and trigonometry or high school equivalent. For physical science majors. Introduction to modern astronomy and astrophysics, including basic principles of mechanics, optics, and radiation. Topics include solar system, stars, interstellar matter, galaxies, cosmology, and observational astronomy from radio to gamma rays. Credit given for only one of A201 or A221. I Sem.

**A222 General Astronomy II (4 cr.) N & M** P: College algebra and trigonometry or high school equivalent, A221. Continuation of A221. For physical science majors. Introduction to modern astronomy and astrophysics, including basic principles of mechanics, optics, and radiation. Topics include solar system, stars, interstellar matter, galaxies, cosmology, and observational astronomy from radio to gamma rays. Credit given for only one of A202 or A222. II Sem.

**A305 Modern Observational Techniques (4 cr.)** 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.

**A320 Computational Problems in Astronomy (3 cr.)** 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.

**A390 Reading Course (1-3 cr.)** P: A201-A202 or A221-A222, consent of instructor. May be taken for a maximum of 6 credits. I Sem., II Sem., SS.

**A451 Stellar Astrophysics (3 cr.)** P: Calculus, PHYS P301 or equivalent. Application of basic physical principles to investigation of the solar system, stars, and the Milky Way galaxy.

**A452 Extragalactic Astrophysics (3 cr.)** P: Calculus, PHYS P301 or equivalent. (A451 not P to A452.) Application of basic physical principles to investigation of galaxies and cosmology.

**A453 Topical Astrophysics (3 cr.)** P: Calculus, P301 or equivalent. 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.

**S499 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 given an oral presentation during the second semester of their senior year. May be taken two semesters for a maximum of 6 credit hours.

# Biology

## Faculty

**Chairperson** Elizabeth C. Raff

**Associate Chairpersons** Lynda Delph, Roger Innes

**Distinguished Professors** Thomas Kaufman, Ellen Ketterson, Michael Lynch, Jeffrey Palmer, Rudolf Raff, Loren Rieseberg

**Professors** Carl Bauer, Jose Bonner, Edmund Brodie III, Yves Brun, Peter Cherbas, Keith Clay, Lynda Delph, Thomas Donahue, Mark Estelle, Pat Foster, Gerald Gastony, Roger Hangarter, Roger Innes, Curtis Lively, Elizabeth C. Raff, Albert Ruesink, William Saxton, Susan Strome, Milton Taylor, Mike Wade, Maxine Watson, Malcolm Winkler, Miriam Zolan

**Associate Professors** Alan Bender, James Bever, Yean Chooi-Odle, James Drummond, Clay Fuqua, David Kehoe, Emilia Martins, Whitney Schlegel, Stefan Surzycki, Michael Tansey, Gregory Velicer

**Assistant Professors** Justin Andrews, Ling-Ling Chen, Gregory Demas, Joseph Duffy, Viola Ellision, Wayne Forrester, Matthew Hahn, Spencer Hall, Richard Hardy, Laura Hurley, Justin Kumar, Scott Michaels, Armin Moczek, Leonie Moyle, Suchetana "Tuli" Mukhopadhyay, Heather Reynolds, Sidney Shaw, Troy Smith, Joel Ybe

**Academic Advising** Mary Ann Miller and Anna Bednarski, Jordan Hall A115, (812) 855-3810

## Introduction

The Department of Biology (BIOL) offers a wide range of programs, including B.A. and B.S. degrees in biology and microbiology and the B.S. degree in biotechnology. 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: "A" and "P" indicate anatomy and physiology courses offered by the Medical Sciences Program; "B" indicates plant sciences; "M" a microbiological emphasis; "T" a biotechnological emphasis; "Z" a zoological emphasis; and "L" courses cover microbiological, botanical, and zoological subjects.

## 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. Mary Ann Miller in the Undergraduate Advising Office should be consulted for other requirements, but in general, students completing course work with a minimum grade point average of 3.3, a senior thesis, the L490 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.

## 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 information above) need not necessarily take these courses but would clearly benefit from them.

## Overseas Study

Students are encouraged to study abroad, particularly in the Indiana University Overseas Study programs in Costa Rica, the Grand Cayman Islands, Great Britain, Bonaire, Copenhagen, and Australia, where students may continue to make progress toward their biology degrees. For information about study abroad, contact the Office of Overseas Study, Franklin Hall 303, (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. A grade of S in E111 and E112 also may be earned by passing a departmental exemption examination given the first Wednesday night of classes each semester. This credit satisfies the introductory course requirements for majors but carries no lab credit. Nonmajors can apply the credit toward College of Arts and Sciences distribution requirements.

## Outside Courses for Biology Majors

Biology majors may want to consider the following courses which could be included in their degree program as courses outside the College of Arts and Sciences (see “Courses Outside the College of Arts and Sciences” section). A student may include up to 22 credit hours of appropriate courses from outside the College of Arts and Sciences in the minimum of 122 hours required for graduation.

### School of Public and Environmental Affairs

- E410 Introduction to Environmental Toxicology (3 cr.)
- E440 Wetlands, Biology, and Regulation (3 cr.)
- E460 Fisheries and Wildlife Management (3 cr.)
- E461 Fisheries and Wildlife Management Lab (3 cr.)
- E475 Techniques of Environmental Science (3 cr.)

**Please Note:** In partial completion of degree requirements, all College of Arts and Sciences students must have a minimum of 25 credit hours of College of Arts and Sciences work in their major. The courses listed above do not count toward the completion of those 25 credit hours, nor do they count for Biology upper lecture or laboratory credit.

## 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, or psychology, or an outside field, such as 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.

**Major Requirements** Students must complete the following course work with a grade of C– or higher in each course:

1. L111 Introduction to Biology: Evolution and Diversity (3 cr.), L112 Introduction to Biology: Biological Mechanisms (3 cr.), and L113 Biology Laboratory (3 cr.).
2. L211 Molecular Biology (3 cr.).
3. L311 Genetics and Development (3 cr.).
4. L318 Evolution (3 cr.).
5. Two additional lecture courses at the 300 or 400 level.
6. Two additional laboratory courses at the 300 or 400 level.
7. One of the advanced lecture courses and one advanced laboratory (300-400 level) must be taken on the Bloomington campus.

8. Chemistry C117, C118 or N330, and C341 or R340.
9. Mathematics M118 or M119 or M211 or M215.

**Note:** L111 and L112 can be taken in either order. L112 is a prerequisite of L211, which is the prerequisite of L311.

Students must also meet the degree requirements of the College of Arts and Sciences, including culture studies.

## 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.

**Major Requirements** Students must complete the following courses with a minimum grade of C– in each course:

1. L112 Introduction to Biology: Biological Mechanisms (3 cr.) and L113 Biology Laboratory (3 cr.).
2. L211 Molecular Biology (3 cr.).
3. M250 Microbiology (3 cr.) and M255 Microbiology Lab (2 cr.).
4. M440 Medical Microbiology (3 cr.) or M460 Biology of the Prokaryotes (3 cr.).
5. M480 Microbial 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, L321, M375, M430, or M440. If M440 is selected in section 4, it cannot be selected for credit in section 7.
8. One additional laboratory from the following: M360, M435, M445, M465, or M485.

**Additional Requirements** Students must also complete the following with a minimum grade of C– in each course:

1. Chemistry C117, C118 or N330, and C341 or R340.
2. Mathematics M119, M211, Mathematics/ Psychological and Brain Sciences/SPEA K300, Liberal Arts and Management Program L316, or Mathematics/ Psychological and Brain Sciences K310, or Computer Science A201 or C211. (Note that although SPEA K300 fulfills the statistics requirement, credit hours for this course count outside the College of Arts and Sciences).
3. Physics P201-P202.

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.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as for B.A. degree.
2. Mathematics, fulfilled by major.
3. Foreign language, three semesters in the same language, or equivalent proficiency. Culture studies courses are not required.
4. Arts and humanities, two courses.
5. Social and historical studies, two courses.
6. Natural and mathematical sciences, fulfilled by major.

**Major Requirements** Students must complete the following course work with a minimum grade of C– in each course:

1. L111 Introduction to Biology: Evolution and Diversity (3 cr.), L112 Introduction to Biology: Biological Mechanisms (3 cr.), and L113 Biology Laboratory (3 cr.).
2. L211 Molecular Biology (3 cr.).
3. L311 Genetics and Development (3 cr.).
4. L318 Evolution (3 cr.).
5. Three additional lecture courses at the 300 or 400 level.
6. Three additional laboratory courses at the 300 or 400 level.
7. Two of the advanced lecture courses (300-400 level) and two of the advanced laboratories (300-400 level) must be taken on the Bloomington campus.

**Additional Requirements** Students must also complete with a minimum grade of C– in each course:

1. Chemistry C117, C118 or N330, C341, C342, and C343.
2. Physics P201-P202 or P221-P222.
3. Mathematics M211 or M215, (or M119 and M120), and Mathematics/Psychological and Brain Sciences/SPEA K300, Liberal Arts and Management Program L316, or Mathematics/Psychological and Brain Sciences K310. (Note that although SPEA K300 fulfills the statistics requirement, credit hours for this course count outside the College of Arts and Sciences).

**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/Pre dental/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 fundamental skills and distribution 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 major and 24 credit hours of their first-year professional courses as 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.

**Requirements** Students must complete all of the fundamental skills and distribution requirements that are required for the standard B.S. in biology.

**Major Requirements** Students must complete the following with a C– or better:

1. L112, L211, L311, L312, and L318; a total of three associated labs.
2. Chemistry C117, C118 or N330, C341, C342, and C343.
3. Physics P201 and P202 or P221 and P222.
4. Mathematics M211 or M215 (or M119 and M120), and Mathematics/Psychology/SPEA K300 or Mathematics/Psychology K310. (Note that although SPEA K300 fulfills the statistics requirement, credit hours for this course count outside the College of Arts and Sciences).

**Recommendation** Students choosing this option should consult with the academic advisors in Jordan Hall A115.

### 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.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as for B.A. degree.

2. Mathematics, fulfilled by major.
3. Foreign language, three semesters in the same language or equivalent proficiency. Culture studies courses are not required.
4. Arts and humanities, two courses.
5. Social and historical studies, two courses.
6. Natural and mathematical sciences, fulfilled by major.

**Major Requirements** Students must complete the following:

1. Biology L112, L113, and L211.
2. Microbiology M250 and M255.
3. Microbiology M350-M360, M430-M435, M440-M445 or M460-M465, and M480-M485. Students who receive a grade lower than C in any of these courses, including M250 and M255, must receive permission from the instructor before enrolling in other courses in the series.
4. One lecture course selected from B351, L321, M375, or M416.
5. Chemistry C117, C118 or N330, C341, and C343.
6. Mathematics M211 or M215, (or M119 and M120) and Mathematics/Psychological and Brain Sciences/SPEA K300, Liberal Arts and Management Program L316, or Mathematics/Psychological and Brain Sciences K310. (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.)
7. Physics P201-P202 or P221-P222.

Students must also complete the requirements and procedures listed in this bulletin under "General Requirements for Bachelor's Degrees" except for the culture studies requirement.

**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 advising office to plan a coherent program.

### Major in Biotechnology—B.S.

**Important Schedule Note:** Students can declare a major in biotechnology beginning in the fall of 2004. However, students need to be aware that required upper-level courses will be phased in, and that the earliest date at which a student could graduate with the B.S. in Biotechnology is currently projected to be May 2008. See the advisor or the College Recorder's Office (Kirkwood Hall 001) for details.

**Purpose** The B.S. in biotechnology is designed for students who wish to pursue careers in the fields of biotechnology or biomedical sciences. It is also a basis for further graduate training

in biotechnology, the biological and biomedical sciences, and related professional fields, such as medicine, business, and patent law. The program provides fundamental training in basic scientific principles as well as knowledge of specific techniques and applications used in biotechnology. Graduates will be expected to have acquired the following: knowledge of the principles of biology, microbiology, cell and molecular biology, biochemistry, and bioanalytical chemistry; practical laboratory skills in many of these areas with emphasis on techniques used in modern biotechnology; a firm foundation in scientific integrity and proper scientific procedures; an appreciation of the broader ethical, environmental and societal issues involved in biotechnology; exposure to career opportunities in biotechnology through independent research, internships, and seminar series.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as for B.A. degree.
2. Mathematics, fulfilled by major.
3. Foreign language, three semesters in the same language or equivalent proficiency. Culture studies courses are not required.
4. Topics course, one 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.

**Major Requirements** Students must meet the following with a minimum grade of C– in each course and a minimum major grade point average of C (2.0):

1. Mathematics M211 (or M119 and M120), and Liberal Arts and Management Program L316; Psychological and Brain Sciences, Mathematics, or SPEA K300; or Psychological and Brain Sciences K310 or Mathematics K310.
2. Biology L112, L211, M250, M255, T310, T312, and T315.
3. Chemistry A314, C117, C118 or N330, C341, C342, C343, C484, and C485.
4. Physics P201-P202.
5. At least four of the following courses for a minimum of 12 credit hours: Biology L312, L313, M350, M360, M430, M435, M440, M445, M460, M465, M480, M485, L490; Chemistry C318, C361, C432, C443, C481, C487

Students must also meet 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 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 22 credit hours outside the College which will count toward graduation. This should also be taken into account when considering the Business minor or the Liberal Arts and Management Program certificate.

### **B.S. in Biotechnology/ J.D. 3+3 Program**

Students who are admitted to the IU Bloomington School of Law after completing a minimum of 90 credit hours in the College of Arts and Sciences, and who have satisfied the fundamental skills, distribution, and major concentration requirements for the B.S. in Biotechnology degree program, may apply up to 32 credit hours earned their first year in the law school as electives and, at the end of that year (with a minimum of 122 credit hours), earn the B.S. in Biotechnology degree.

**Note:** Students who need to satisfy all fundamental skills 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 who satisfy the English composition requirement through test scores may be able to satisfy all requirements with 92 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.

### **Biology Minor**

Option 1 or Option 2 must include a minimum of 6 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.

**Option 2** This option is recommended for science majors:

BIOL L111, L112, L113, and sufficient additional biology major courses to total 15 or more total credit hours.

**Note:** Biology L490 and L499 credit cannot count for either option in the Biology minor.

## **Course Descriptions**

### **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 and to prepare for more advanced courses should the decision be made to continue in biology.

#### **L100 Humans and the Biological World (5 cr.)**

**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, E112, L112, S115, or Q201.

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.

#### **L104 Introductory Biology Lectures (3 cr.)**

**N & M** An introduction to living organisms. Designed for nonscientists with no background in biology. Does not count as a preprofessional course. Primary emphases may vary with the instructor. Enrollment limited to freshmen and sophomores. Credit given for only one of the following: L100, L104, E112, L112, S115, or Q201.

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 may not be counted toward a major in the Department of Biology.

#### **L302 Topics in Human Biology (3 cr.) N & M**

**P:** Junior or senior standing. Not open to biology majors. Physiology, genetics, and biochemistry at a level to appreciate the human condition. Topics to be considered may vary from year to year: cancer, genetic disease, cardiovascular disease, blood groups, immune systems, genetic damage, contraception and pregnancy, genetics of intelligence, environmental hazards, genetic engineering.

#### **L330 Biology of the Cell (3 cr.) 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.



**L340 Biological Basis of Sex Differences (3 cr.)**  
**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.

**L350 Environmental Biology (3 cr.)** **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.

**L369 Heredity, Evolution, and Society (3 cr.)**  
**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.

#### **Related Courses in Medical Sciences**

These courses are acceptable for biological sciences in the College of Arts and Sciences distribution requirement, but will not count in the biology major.

**M131 Disease and the Human Body (3 cr.)**  
**N & M** Suitable for non-science majors at all levels. Basic science knowledge is advantageous but not necessary. This course is team-taught by Medical Sciences faculty. Provided will be a description of a disease or injury and a discussion of the normal anatomy and physiology of relevant body systems and the alterations that are due to the disease or injury. Included will be various drug and other medical interventions that can be used to diagnose and treat the diseases and injuries. The format consists primarily of lectures with some interactive demonstrations. Four objective exams are scheduled throughout the semester and standard grading policies are utilized. No text is required, and extensive handouts are provided.

**A215 Basic Human Anatomy (5 cr.)** **N & M**  
*Intended for science majors and not recommended for first-semester freshmen.* An organ-systems approach to the study of the human body, including microscopic and gross structure. The course starts with an introduction to basic cell structure and tissue construction, and continues with the coverage of all human systems with emphasis on the musculoskeletal system, cardiovascular, reproductive, and nervous systems. Bones, models, and prosected cadavers are used to study these topics concurrently in the laboratory.

**P215 Basic Human Physiology (5 cr.)** **N & M**  
*Intended for science majors and not recommended for first-semester freshmen.* An organ-systems approach to the study of human body function. Presentation begins with basic cell function and communication systems of the body, progressing to control systems, defense mechanisms, transport, gas exchange, and balancing of nutrients, water, and electrolytes. Focus for the course is on how organ systems contribute to essential metabolic activity and the maintenance of homeostasis. The laboratory emphasizes the application of material presented during lecture and is a required part of this course.

#### **Courses for the Biology Major**

Credit will be given for only one of these courses: L100, L104, E112, L112, or Q201.

**E111 Basic Biology by Examination I (3 cr.)**  
**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.

**E112 Basic Biology by Examination II (3 cr.)**  
**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.

**H111 Integrated Freshman Learning Experience I (4 cr.)** **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, L104, L112, E112, L113, S115, Q201.

**H112 Integrated Freshman Learning Experience II (5 cr.)** **N & M P:** Acceptance to IFLE Project, H111. 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 the following: H112, L112, L113.

**L111 Introduction to Biology: Evolution and Diversity (3 cr.)** **N & M** For biology and other science majors. Preference will be given to freshmen and sophomores. Processes of evolution (selection, speciation, macroevolution, origin and early history of life) and organismal function (morphology, physiology, and behavior). Credit not given for both E111 and L111.

**L112 Introduction to Biology: Biological Mechanisms (3 cr.) N & M P:** high school or college chemistry. For biological and other science majors. Preference will be given to freshmen and sophomores. 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, L112, E112, or Q201.

**L113 Biology Laboratory (3 cr.) 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.

**L211 Molecular Biology (3 cr.) N & M P:** L112. 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.

**S211 Molecular Biology, Honors (5 cr.) N & M P:** L112. 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.

**M250 Microbiology (3 cr.) N & M P:** Two semesters of college chemistry; M255 concurrently; L211 recommended prior or concurrently. Application of fundamental principles to the study of microorganisms. Significance of microorganisms to humans and their environment.

**M255 Microbiology Laboratory (2 cr.) P:** M250 concurrently. Audio-tutorial laboratory of exercises and demonstrations to yield proficiency in principles and techniques of cultivation and utilization and microorganisms under aseptic techniques.

**B300 Vascular Plants (4 cr.) N & M P:** One introductory biology course. Survey of the ferns, gymnosperms, and flowering plants, including their morphology, classification, ecology, evolution, and economic importance.

**L301 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.

**L305 Project Laboratory in Molecular Biology and Genetics (3 cr.) P:** L211 or S211 or consent of instructor. Explore the different stages of scientific investigation by performing research using molecular biology and genetic techniques. Design and execute research projects under supervision of the instructor in a teaching laboratory setting on problems including mutant isolation, gene cloning, gene expression, protein localization, protein structure-function, cell division, cell differentiation, etc. A maximum of 12 credit hours between L305 and L490 may count toward graduation.

**L311 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.

**S311 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.

**L312 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.

**L313 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.

**L317 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.

**L318 Evolution (3 cr.)** P: L311 or S311.

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.

**S318 Evolution, Honors (4 cr.)** P: L311 or S311.

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.

**Z318 Developmental Biology Laboratory**

(2 cr.) P: L211, L311. P or C: L317. A laboratory about developing organisms, with emphasis on vertebrate embryology and organogenesis.

**L319 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.

**L321 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.

**L322 Writing Workshop in Biology (3 cr.)**

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.

**L323 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.

**L324 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.

**L331 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.

**L341 Natural History of Coral Reefs**

(GEOL G341) (4 cr.) N & M P: A 100-level biology course for majors and a course in organism biology/ecology, sedimentology, or stratigraphy; demonstrated proficiency in swimming; students must apply. Four-week summer course introducing principles of biology, ecology, and geology as applied to coral reef ecosystems. Week 1: daily meeting at IUB to provide background; weeks 2-4: field/lab exercises and research projects at tropical marine laboratory; subsequent fall semester: one-day student colloquium at IUB.

**M350 Microbial Physiology and Biochemistry**

(3 cr.) P: L112 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.

**B351 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.

**B352 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.

**M360 Microbial Physiology Laboratory**

(3 cr.) P or C: M350 or consent of instructor. 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.

**B364 Summer Flowering Plants (4-5 cr.)** N & M

P: One introductory biology course. For those desiring a broad, practical knowledge of common wild and cultivated plants. SS.

**B368 Ethnobotany (3 cr.)** N & M P: L111. Plants

in relation to man with primary emphasis on food plants. Credit given for only one of L370 or B368.

**B371 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.

**B373 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.

**Z373 Entomology (3 cr.)** P: one introductory biology course. Insects, with emphasis on evolution, distribution, behavior, and structure.

**Z374 Invertebrate Zoology (3 cr.)** P: one introductory biology course. Ecology, evolution, and phylogeny of major invertebrate groups, with emphasis on current controversies and concepts.

**M375 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.

**Z375 Invertebrate Zoology Laboratory (2 cr.)** P: One introductory biology course. Laboratory and field studies of invertebrates, with an emphasis on experiments with living specimens.

**L376 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.

**L377 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.

**L390 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.

**L410 Topical Issues in Biology (3-5cr.)** 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.

**Z406 Vertebrate Zoology (5 cr.)** P: L111 and L112, junior or senior standing or consent of instructor. Morphology, evolution, adaptations, and general biology of vertebrates.

**M416 Molecular Biology of the AIDS Virus (3 cr.)** P: CHEM C341 and BIOL L311. A detailed consideration of the human immunodeficiency virus (HIV, the causative agent of AIDS). The functions of the HIV genes and how those functions affect pathology and normal cellular mechanisms. For senior biology or biochemistry majors and beginning graduate students.

**M430 Virology Lecture (3 cr.)** 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.

**L433 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.

**M435 Viral-Tissue-Culture Laboratory (3 cr.)** P or C: M430 or consent of instructor. Laboratory techniques in phage, viruses, and tissue culture.

**L440 Introduction to Biotechnology (3 cr.)** N & M P: L211 or consent of instructor. Lecture will cover topics central to biotechnology and the biotechnological industry including industrial organisms, recombinant DNA techniques, protein isolation and assay, genetic and molecular identification of therapeutic targets, development of therapeutics, bioinformatics, intellectual property, biotechnology companies, and regulatory issues.

**M440 Medical Microbiology: Lecture (3 cr.)** P: L211. R: M250. Microorganisms as agents of disease; host-parasite relationships; epidemiology; chemotherapy. Credit given for only one of M440 or M200.

**M445 Medical Microbiology: Laboratory (3 cr.)** P: M255 and M440, which may be taken concurrently. Laboratory methods of isolation and identification of microorganisms from normal and simulated disease conditions of the human.

**M460 Biology of the Prokaryotes (3 cr.)** P: M250 and M350 or CHEM C483. Nutritional, physiological, and cultural properties of the major groups of nonpathogenic bacteria and their relationships as revealed by modern taxonomic methods.

**Z460 Ethology (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.

**L465 Advanced Field Biology (3 cr.)** R: 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. SS.

**M465 Biology of the Prokaryotes: Laboratory (3 cr.)** P: M255. P or C: M460. Isolation and study of members of the major groups of non-pathogenic bacteria. Selected physiological experiments.

**Z466 Endocrinology (3 cr.)** P: L211.  
R: CHEM C341. Mechanisms of hormone action from the molecular to the organismal level in vertebrates.

**L472 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.

**L473 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.

**L474 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.

**Z476 Biology of Fishes (4 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.

**L479 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.

**M480 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.

**M485 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.

**L490 Individual Study (cr. arr.; 12 cr. max.)** P: Overall GPA 2.500 or above and written permission of faculty member supervising research. Must complete a written assignment as evidence of each semester's work. Must present oral report to complete more than 6 credit hours. Section authorization. Maximum of 6 credits allowed for summer internships/research.

**L499 Internship in Biology Instruction (3 cr.)** P: Consent of departmental chairperson. Supervised experience in teaching undergraduate biology course. May be repeated once for credit.

**P451 Integrative Human Physiology (4 cr.)** 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.

## Courses for a Degree in Biotechnology—B.S.

**T310 Biotechnology Lecture (3 cr.)** P: L211, M250, M255. C: T315. Application of microbial diversity in biotechnology; synthesis of macromolecules; principles of gene expressions; gene cloning; protein engineering, overexpression and purification; genomics; proteomics; bioinformatics.

**T312 Societal Issues in Biotechnology (3 cr.)** P: L112 and L211. Consideration of the effects of recent advances in biotechnology on human affairs and the environment.

**T315 Biotechnology Laboratory (3 cr.)** P: L211, M250, M255. C: T310. 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.

## 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 distribution requirements of the College.

### M200 Microorganisms in Nature and Disease (3 cr.)

R: 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.

### Q201 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.

### M215 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.

## Related Research Courses

The following courses may be counted in the Department of Biology as equivalent to L490 Individual Study only by application to the department prior to the start of the research experience. A research thesis must be submitted to the Department of Biology at the end of the research experience to complete the equivalency requirement. Note: B.A. students may use 3 credit hours of L490 in the major. B.S. students may use up to 12 credit hours of L490, M450, or C409 in the major.

- CHEM C409 Chemical Research
- MSCI M450 Undergraduate Research in Biomedical Sciences

## Related Non-College of Arts and Sciences Courses

These courses are acceptable for credit in biology.

### Medical Sciences

**P416 Comparative Animal Physiology (3 cr.)**  
*Intended for junior and senior science majors.*

Principles of physiology are explored in a comparative animal context. Function of the respiratory, circulatory, excretory, and related systems will be examined. Examples of unusual vertebrate and invertebrate function will be used to illustrate basic and comparative physiological principles.

**P417 Neurobiology (3 cr.)** P: One introductory biology course and CHEM C118. R: one course in cellular physiology or P416. Physiology of nerves and muscles, including sensory receptors, peripheral and central sensory processing of neural information, coordination of motor output and neurophysiological correlates of behavior.

**P418 Laboratory in Comparative Animal Physiology (2 cr.)** P or C: P416. Laboratory experiments using a variety of animals to illustrate physiological principles.

**P421 Biophysical Principles in Physiology (3 cr.)** *Intended for junior and senior science majors. Permission of instructor required.* This course offers an organ-systems approach to the study of biophysical principles governing human body function. Lectures provide a broad survey of the communication and control systems of the body, defense mechanisms, transport, gas exchange, and balancing of nutrients, water, and electrolytes. Problem-solving skills, critical evaluation of data, and exploration of research and resources in the study of physiology will be emphasized in this course.

**P460 Anatomy of the Ear and Vocal Organs (3 cr.)** P: Consent of instructor. Development and structure of face, nasal cavities, mouth, palate, pharynx, larynx, ear, and related portions of respiratory and nervous systems.

**Note:** A464 will count toward the minimum 25 College of Arts and Sciences credit hours required in the major, even though it is a non-College course.

**A464 Human Tissue Biology (4 cr.)** *Intended for junior and senior science majors.* This course analyzes the structure and activities of the cells that makeup the human body. The course begins with an overview of the animal cell, concentrating on aspects of cellular morphology important for biochemical functions. Fundamental types of distinct multicellular tissues, including connective, epithelial, muscular, and nervous tissues are then described at the light and electron microscopic level, emphasizing the functional significance of the structural features. After the basic tissue types are understood, the various organ systems of the body are discussed, again primarily with regard to how their tissue composition and arrangement mediates their diverse functions. Each lecture is followed by a laboratory session devoted to the same topic in which students

examine and study the relevant cells, tissues, and organs using the light microscope and electron micrograph preparations.

### ***School of Public and Environmental Affairs (SPEA)***

#### **E400 Topics in Environmental Studies (3 cr.)**

P: SPEA E272. For biology majors, Coral Reef Ecology as a "Field Techniques in Ecology" course only.

**E455 Limnology (4 cr.)** P: College chemistry and biology or permission of instructor. Limnology is the ecology of inland lakes and streams, combining the principles of biology, chemistry, geology, and physics to understand how they function. The effects of human perturbation on aquatic systems will be highlighted in both lectures and laboratory work to aid student understanding of the concepts involved.

### **Related College of Arts and Sciences Course**

This course is acceptable for credit in biology.

### ***Chemistry***

#### **C483 Biological Chemistry (3 cr.) N & M**

P:18 credit hours of chemistry, including C342, or consent of instructor. Introduction to structure, chemical properties, and interrelationships of biological substances. I Sem., SS.



# Central Eurasian Studies

## Faculty

**Chairperson** Elliot Sperling

**Hungarian Chair** Agnes Fulemile

**Ottoman and Modern Turkish Studies**

**Professor** Kemal Silay

**Professors** Christopher Beckwith, Jamsheed Choksy, Devin DeWeese, William Fierman, Agnes Fulemile, György Kara, Toivo U. Raun, M. Nazif Shahrani, Mihály Szegedy-Maszák

**Associate Professors** Christopher Atwood, Paul Losensky, Kemal Silay, Elliot Sperling

**Assistant Professors** Gardner Bovingdon, Lynn Hooker, Ron Sela

**Emeritus Professors** Gustav Bayerle, Yuri Bregel, Larry Moses, Thubten Norbu, Denis Sinor

**Adjunct Professors** Henry Glassie (Folklore and Ethnomusicology), Matthias Lehmann (History)

**Academic Advising** Goodbody Hall 157, (812) 855-2233

## Introduction

The focus of the Department of Central Eurasian Studies (CEUS) is the world cultural area known as Central Eurasia, a vast region that extends from Central Europe to the Pacific Ocean and from the Arctic to the Indian subcontinent. The primary fields of study covered in the department are the languages, history, religions, and other aspects of the cultures of Central Eurasia, particularly of the Estonian, Finnish, Hungarian, Mongolian, Persian, Tibetan, Turkish, and Uzbek peoples.

Students may count most of the department's courses toward such specific requirements of the College's bachelors's degree as distribution in arts and humanities or social and historical studies, culture studies, and foreign language.

Two-year sequences are offered in the following languages: Azeri, Estonian, Finnish, Hungarian, Kazakh, Mongolian, Persian, Tibetan, Turkish, Turkmen, Uygur, and Uzbek. Students should contact the department for information about language offerings.

## Area Certificate in Central Eurasian Studies

A student may earn an area certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. To receive the area certificate in Central Eurasian Studies, undergraduates must complete 15 credit hours of history, civilization, or other culture courses in the Department of Central Eurasian Studies, of which a minimum of 6 credit hours must be at the 400 level, and two semesters of course work in one of the languages offered

in the department (6-8 cr.). A minimum GPA of 3.000 is required in all courses taken for the certificate.

## Course Descriptions

### Language Courses

#### Azeri

##### U105 Introductory Azeri I (4 cr.)

No previous knowledge of Azeri required. Covers basic vocabulary and grammar, along with conversation, composition, reading, and translating from simple texts.

**U106 Introductory Azeri II (4 cr.)** P: U105 or consent of department. Continuation of the basic vocabulary and grammar of Azeri.

**U205 Intermediate Azeri I (3 cr.)** P: U106 or consent of department. Continuation of introductory Azeri. Review of grammatical structures and vocabulary, reading, and translating of selected texts.

**U206 Intermediate Azeri II (3 cr.)** P: U205 or consent of department. Continuing development of language skills. Additional new grammar concepts.

#### Estonian

**U111 Introductory Estonian I (4 cr.)** Provides basic knowledge of Estonian pronunciation, grammar (declension of nouns and pronouns, conjugation of verbs, elementary morphology and syntax), basic conversation, understanding of spoken and written language. The emphasis of the course is on communicative skills.

**U112 Introductory Estonian II (4 cr.)** P: U111. Continuation of the basic vocabulary and grammar of Estonian.

**U211 Intermediate Estonian I (3 cr.)** P: U112. Intermediate areas of grammar (morphology and syntax); vocabulary building through reading in and outside class; development of speaking skills by conversation and discussion and oral presentations in class; practice of writing skills by journal and short essays; development of listening comprehension skills.

**U212 Intermediate Estonian II (3 cr.)** P: U211. Continuation of intermediate vocabulary, grammar, speaking, and writing skills.

#### Finnish

**U121 Introductory Finnish I (4 cr.)** Enables students to converse about simple personal and social topics, meet basic needs, and read and write simple texts. Students also learn basic facts about Finnish culture and history.

**U122 Introductory Finnish II (4 cr.)** P: U121. Concentrated practice in Finnish pronunciation, grammar, elementary conversation, reading and writing. Increase of vocabulary.



**U221 Intermediate Finnish I (3 cr.)** P: U122.  
Review of basic skills in the Finnish language, expansion of vocabulary and emphasis on constructing sentences and applying the knowledge of grammar into oral and written communication.

**U222 Intermediate Finnish II (3 cr.)** P: U221.  
Concentrated practice in the basic skills in the Finnish language, expansion of vocabulary, and sentence construction for oral and written communication.

### **Hungarian**

**U131 Introductory Hungarian I (4 cr.)** Enables students to converse about simple personal and social topics, meet basic needs, and read and write simple texts. Students also learn basic facts about Hungarian culture and history.

**U132 Introductory Hungarian II (4 cr.)**  
P: U131. Concentrated practice in reading, writing, listening and speaking skills in Hungarian language.

**U231 Intermediate Hungarian I (3 cr.)** P: U132.  
Enables students to converse about personal and simple academic topics, read and understand short literary and scholarly texts, and write to fulfill basic personal, business, and academic needs.

**U232 Intermediate Hungarian II (3 cr.)**  
P: U231. Concentrated practice in speaking, translating general texts from Hungarian into English and composing original Hungarian texts on various topics.

### **Kazakh**

**U175 Introductory Kazakh I (4 cr.)** Provides students with a general knowledge of Kazakh language and culture. Familiarizes students with the sound system and alphabet of Kazakh through systematic presentation of basic grammar and practical use of the language stressing conversation, listening, reading, and writing. Students learn to understand and respond appropriately to simple questions and statements in Kazakh, use the language to deal with some basic everyday living situations, and read and react to a variety of simple Kazakh texts.

**U176 Introductory Kazakh II (4 cr.)** P: U175.  
Continues skills developed in U175.

**U275 Intermediate Kazakh I (3 cr.)** P: U176.  
Provides students with proficiency in the production of subordinate and complex sentences, using all the common aspects, moods, and tenses of the standard language. In addition, students will be able to read authentic texts with the use of language aids.

**U276 Intermediate Kazakh II (3 cr.)** P: U275.  
Continues skills developed in U275.

### **Mongolian**

**U141 Introductory Mongolian I (4 cr.)**  
Introduction to the basic elements of Mongolian pronunciation, grammar, elementary conversation, reading and writing. Mastery of the main methods of linking sentences through converbs, when clauses, and relatives clauses.

**U142 Introductory Mongolian II (4 cr.)**  
P: U141. Continuation of the basic elements of Mongolian pronunciation, grammar, elementary conversation, reading and writing. Mastery of the main methods of linking sentences through converbs, when clauses, relatives clauses, and conditionals. Expansion of vocabulary.

**U241 Intermediate Mongolian I (3 cr.)** P: U142.  
Continued expansion of Mongolian grammar, especially with regard to syntax and forming complex sentences; increase of vocabulary by mastering word formation and bionomies; reading materials outside the textbooks; improving fluency through oral presentations, classroom discussions, and role-playing in practical situations; writing practice; pronunciation and translation practice.

**U242 Intermediate Mongolian II (3 cr.)**  
P: U241. Continued expansion of Mongolian grammar, especially with regard to syntax, forming complex sentences and expressing complex moods; increase of vocabulary by mastering word formation and bionomies; reading materials outside the textbooks; improving fluency through oral presentations, classroom discussions, and role-playing in practical situations; writing practice; pronunciation, translation, and transcription practice.

### **Persian**

**U177 Introductory Persian I (4 cr.)**  
No previous knowledge of Persian required. Covers basic vocabulary and grammar, along with conversation, composition, reading, and translating from simple texts dealing with Iranian civilization. Credit given for only one of U177 or NELC P100.

**U178 Introductory Persian II (4 cr.)** P: U177 or consent of department. Continuation of the basic vocabulary and grammar of Persian. Credit given for only one of U178 or NELC P150.

**U277 Intermediate Persian I (3 cr.)**  
U178 or consent of department. Continuation of introductory Persian. Review of grammatical structures and vocabulary, reading, and translating of selected texts. Credit given for only one of U277 or NELC P200.

**U278 Intermediate Persian II (3 cr.)**  
P: U277 or consent of department. Continuing development of language skills. Additional new grammar concepts. Credit given for only one of U278 or NELC P250.

**Tibetan****U151 Introductory Tibetan I (4 cr.)**

Introduction to the Tibetan language: pronunciation, grammar, and writing system. Practice in speaking, reading, and writing Tibetan.

**U152 Introductory Tibetan II (4 cr.)** P: U151. Introduction to the Tibetan language, continued reading, writing, grammar, and practice in speaking Tibetan. Introduction to Classical Tibetan.

**U251 Intermediate Tibetan I (3 cr.)** P: U152. Further development of skills in basic features of the Tibetan language. Students will begin reading selected portions of classical Tibetan texts and handling grammatical commentaries in modern Tibetan as part of an advanced systematic approach to the Tibetan language.

**U252 Intermediate Tibetan II (3 cr.)** P: U251. Continued expansion of development of skills in basic features of the Tibetan language. Students continue reading selected portions of classical Tibetan texts while they handle both spoken and written modern Tibetan.

**Turkish**

**U161 Introductory Turkish I (4 cr.)** Develops language skills needed to function in Turkish society through listening and speaking activities, writing and reading.

**U162 Introductory Turkish II (4 cr.)** P: U161. Further develops and expands communicative skills and grammar including language skills, listening, speaking, reading, and writing. At the end of the course, students will have acquired basic skills to cope with situations of daily Turkish life, understand simple written instructions, and be able to skim more complex texts for general meaning.

**U261 Intermediate Turkish I (3 cr.)** P: U162. Continues basic communicative skills of reading, writing and listening through practice in short and long dialogues, everyday problem-solving situations, and role-model exercises.

**U262 Intermediate Turkish II (3 cr.)** P: U261. Continues to build on skills developed in first-semester class.

**Turkmen**

**U107 Introductory Turkmen I (4 cr.)** No previous knowledge of Turkmen required. Covers basic vocabulary and grammar, along with conversation, composition, reading and translating from simple texts.

**U108 Introductory Turkmen II (4 cr.)** P: U107 or consent of department. Continuation of the basic vocabulary and grammar of Turkmen.

**U207 Intermediate Turkmen I (3 cr.)** P: U108 or consent of department. Continuation of introductory Turkmen. Review of grammatical structures and vocabulary, reading, and translating of selected texts.

**U208 Intermediate Turkmen II (3 cr.)**

P: U207 or consent of department. Continuing development of language skills. Additional new grammar concepts.

**Uygur****U115 Introductory Uygur I (4 cr.)**

No previous knowledge of Uygur required. Covers basic vocabulary and grammar, along with conversation, composition, reading, and translating from simple texts. Credit given for only one of U115 or U181.

**U116 Introductory Uygur II (4 cr.)** P: U115 or U181 or consent of department. Covers basic vocabulary and grammar, along with conversation, composition, reading and translating from simple texts. Credit given for only one of U116 or U182.

**U215 Intermediate Uygur I (3 cr.)** P: U182 or U116 or consent of department. Continuation of introductory Uygur level. Review of grammatical structures and vocabulary, reading, and translating of short texts. Credit given for only one of U215 or U281.

**U216 Intermediate Uygur II (3 cr.)** P: U281 or U215 or consent of department. Continuation of introductory Uygur level. Review of grammatical structures and vocabulary, reading, and translating of short texts. Credit given for only one of U216 or U282.

**Uzbek**

**U171 Introductory Uzbek I (4 cr.)** Introduction to the literary language, covering pronunciation, grammar, syntax, reading, and writing. Introduction to culture and daily life of the Uzbeks.

**U172 Introductory Uzbek II (4 cr.)** P: U171. Furthers skills developed in first semester.

**U271 Intermediate Uzbek I (3 cr.)** P: U172. Continues basic grammar and emphasizes translation skills from Uzbek into English through advanced readings in journalistic and literary prose focusing on the daily life and culture of the Uzbek people.

**U272 Intermediate Uzbek II (3 cr.)** P: U271. Furthers skills developed in the first semester including all aspects of grammar of modern Uzbek.

**Other Language Study****U299 Central Eurasian Languages (1-4 cr.)**

Languages of Central Eurasia. Various languages will be offered when available. May be repeated with a different language or at a different level for a maximum of 20 credits in any one language.

**U399 Topics in Studies of Iranian Languages (3 cr.)**

An introduction to selected works of Iranian languages in relation to social history and religious, political, and linguistic developments. Topics will vary from semester

to semester. May be repeated with a different topic for a total of 9 credits in U399 and/or NELC P360.

**History, Civilization, or Other Culture Courses**

**U190 Introduction to Inner Asia (3 cr.) S & H**

**P:** Open only to freshmen and sophomores or by consent of instructor. Introductory survey of Inner Asian history and civilization. Concepts of the non-sedentary world, focusing on history, geography, pastoral nomadism, and shamanism. Inner Asian history from the rise of the non-Iranian peoples down to the present day.

**U254 Introduction to the Ancient Near East and Central Asia (3 cr.) S & H, CSA**

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 U254 or NELC N245.

**U284 The Civilization of Tibet (3 cr.) S & H, CSA**

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 the Tibetan studies program.

**U311 Prophets, Poets, and Kings: Iranian Civilization (3 cr.) S & H, CSA**

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. Credit given for only one of U311 or NELC N340.

**U320 Topics in Central Eurasian Studies (1-4 cr.)**

Topic varies each semester. Some examples are "Buddhism in Central Asia," "Social Problems in Central Asia," "Everyday Life in Central Asia," and "Peoples and Cultures of Central Asia." See the online Schedule of Classes for current topics. May be repeated with a different topic for a maximum of 9 credits.

**U324 Romanticism and the Rise of Nationalism (3 cr.) A & H, CSB**

**P:** 6 credit hours of literature. **R:** C205 or ENG L202. Examines the rise of romantic tendencies in eighteenth-century Europe and its effect on ethnicity, religion, language, and national identity. Analyzes the establishment of educational and cultural institutions in the service of nationalism by

examining national anthems, epics and opera. Includes such authors as Goethe, Wordsworth, Byron, Novalis, Hoffmann, Hugo, Pushkin, Poe, Mérimée, Nerval, Vörösmarty, and Petöfi. Credit given for only one of CMLT C333 or U324.

**U333 Finland in the Twentieth Century (3 cr.)**

**S & H** Evolution of twentieth-century Finland, including Russification and revolution, establishment of independence and civil war, interwar domestic politics and international relations, World War II and Finno-Soviet relations, economic development and rise of the welfare state, transformation of society and the changing role of women, and cultural history (literature, art, music).

**U346 Literature of the Ottoman Court in Translation (3 cr.) A & H, CSA**

Study and analysis of selected readings from the Ottoman Court 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 once for credit with different topics.

**U350 Turkish Literature in Translation (3 cr.)**

**A & H, CSA** Study and analysis of selected readings from Turkish 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 once for credit with different topics.

**U368 The Mongol Century (3 cr.) S & H, CSA**

Impact of the Mongol conquest on the European, Islamic, Hindu, and Confucian worlds. Rise of the house of Chinggis Khan to the fall of the last directly related Khanates, the Golden Horde, under the double onslaught of Tamerlane and Muscovy.

**U369 Inner Asia after the Mongol Conquest (3 cr.) S & H**

Inner Asian world during the era of Western expansion. Traces the parallel histories of eastern and western Inner Asia under the impact of Manchu and European expansion. Emphasis on Inner Asian development, rather than external influences.

**U370 Uralic Peoples (3 cr.) S & H**

Uralic peoples in central, northern, and eastern Europe and Siberia. Their history, social organization, traditional economy, literature, folklore, and sociolinguistic patterns.

**U372 Persian Literature in Translation (3 cr.)**

**A & H, CSA** 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 total of 9 credits in U372 and/or NELC N380.

**U373 Persian Mystical Literature in Translation (3 cr.) A & H, CSA** 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. Credit given for only one of U373 or NELC N385.

**U374 Environmental Problems and Social Constraints in Northern and Central Eurasia (3 cr.)** Analysis of environmental, social, and economic issues in the immense region of Central and Northern Eurasia. Examines the new geo-political situation that emerged after the collapse of the U.S.S.R. and the crucial role the region plays in global security and stability.

**U388 Chinese Inner Asia to 1949 (3 cr.) S & H, CSA** History of Chinese Inner Asia from the rise of the Qing dynasty to the Chinese Communist victory in 1949-1951. Focus includes Qing systems of indirect rule, colonization, the New Policies, religion and modernity, indigenous nationalist movements and their interaction with both outside powers, and the Soviet and Chinese Communist movements.

**U392 Shrine and Pilgrimage in Central Asian Islam (3 cr.) A & H, CSA** Surveys the complex of religious belief and practice centered on shrines and pilgrimage to holy places in Islamic Central Asia, from the earliest accounts down to the present, with emphasis on the role of shrine-centered religious activity in the social, political, economic, and cultural life of Central Asia.

**U393 The Yasavi Sufis and Central Asian Islam (3 cr.) A & H, CSA** Surveys the history and legacy of the Yasavi tradition of Sufism in Islamic Central Asia from the twelfth century to the present, and other issues in the religious history of Central Asia linked to the Yasavi tradition.

**U394 Islam in the Soviet Union and Successor States (3 cr.) A & H, CSA** The course will examine the historical background and contemporary status of Islam and the nationalities of Islamic heritage in Russia and the newly independent republics of the former U.S.S.R. The focus will be on understanding the distinctive pressures experienced and exerted by Islam, as a religion and as a social system, in the Soviet and post-Soviet context.

**U395 Central Asian Politics and Society (3 cr.) S & H, CSA** An introduction to the politics and society of Soviet and post-Soviet Central Asia. Examines the methods and effects of Communist party rule in the region and the emergence of new independent states.

**U397 (ANTH E397, NELC N397) Peoples and Cultures of the Middle East (3 cr.) S & H, CSA** 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: 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, gender. Credit given for only one of ANTH E397, CEUS U397, or NELC N397.

**U398 (ANTH E398) Peoples and Cultures of Central Asia (3 cr.) S & H, CSA** 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: 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, dynamics of current conflicts and future prospects. Credit given for only one of CEUS U398 or ANTH E398.

**U423 Hungary between 1890 and 1945 (3 cr.) S & H, CSA** The rise of Hungarian capitalism at the turn of the century; transformation of Hungarian society: industrialization, education, national and social conflicts; ethnic minorities; impact of WWI; dissolution of Habsburg Empire: 1918-19 revolution; interwar period; WWII.

**U424 Hungarian Literature from Its Beginnings to 1900 (3 cr.) A & H** The shift from oral to written literature; conflict between Latin Middle Ages and the cult of the vernacular during the Reformation; Enlightenment, Romanticism, and Realism examined in relation to other literatures of the eighteenth and nineteenth centuries; interrelationship of urbanization and literary modernity at turn of the century.

**U426 Modern Hungarian Literature (3 cr.) A & H** Socioeconomic modernization and literary modernity at the turn of the century; Hungary's influence on the culture of the Habsburg monarchy; naturalism, symbolism, art nouveau, expressionism; the influence of Marx and Freud; urbanization and populism; socialist realism and its opposition in the postwar years.

**U427 Hungary from 1945 to Present (3 cr.) S & H, CSA** Introduction of one-party system in 1945; political oppression; socialization of agriculture; revolution of October 1956; economic reforms in 1968; decline of "reform" Marxism; widening gap between establishment and population; political apathy; economic crisis in 1980s; elections of 1985; reintroduction of market economy; rebirth of multiparty system in 1988.

**U436 Finnish Civilization to 1800 (3 cr.) S & H** Knowledge of Finnish not required. Historic background of Finnish civilization. Social conditions, religious architecture, and folklore in the Middle Ages. Social and economic development with political background in the sixteenth, seventeenth, and eighteenth centuries. Literature and scholarly research.

**U450 Turkish Oral Literature (3 cr.) A & H, CSA P:** Consent of instructor. Folklore studies and the rise of nationalism, folk narratives in Turkey and among Turkic peoples, folk theatre in Asia Minor; rituals in Turkey and in the neighboring countries (Iran, Balkan countries, Middle East); riddles and proverbs, folk poetry, folk songs, and folk dances in Turkey.

**U459 Seminar in Turkish Studies (3 cr.) CSA** A topical seminar dealing with a variety of social issues in Turkey. Special emphasis is given to educational and political issues. May be repeated twice for credit.

**U469 Modern Mongolia (3 cr.)** 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.

**U481 Survey of Tibetan Literature in Translation (3 cr.) A & H** Introduction to different styles of Tibetan literature in translation: preclassical; classical (including historiography, canonical scriptures translated from Indian languages and Chinese, and Tibetan religious literature); Bonpo literature; and folk literature (epics, poetry, and drama).

**U483 Introduction to the History of Tibet (3 cr.) S & H, CSA** A survey of Tibetan history from the earliest times to the present, including the Tibetan empire of the seventh-ninth centuries, the impact of Buddhism on Tibetan political and social structure, aspects of Tibet's relations with neighboring peoples, the development of the Dalai Lama's government, and the current circumstances of the Tibetan people.

**U484 The Religions of Tibet (3 cr.) A & H** A survey of the whole of Tibetan religions, Buddhist as well as pre-Buddhist. Will be of utmost importance for every student of Tibetan because the whole of Tibetan life is pervaded by religion. Accompanied by slides.

**U488 Readings in Modern Tibetan Texts (3 cr.)** Primarily designed as an intermediate course in literary Tibetan, filling the gap between introductory Tibetan and readings in Buddhist religious texts or advanced readings. The choice of texts will largely depend on the interests of the students.

**U489 Tibet and the West (3 cr.) S & H, CSA** Examines Western perception of Tibet during

the past 700 years. Presents Tibetan history and culture during this period and compares Tibetan civilization with the popular concepts about Tibet that prevailed in the West during this same period.

**U490 Sino-Tibetan Relations (3 cr.) S & H, CSA** Historical, cultural, social, and political relations between China and Tibet from prehistoric times to the present, indicating the major changes affecting both the political boundaries and the legal position of Tibet in relation to China.

**U493 Islamic Central Asia, Sixteenth-Nineteenth Centuries (3 cr.) S & H** Development of political and social patterns in Central Asia up to Russian conquest. Topics include the role of nomads and their integration into sedentary culture, emergence of ethnicity, interrelations of diverse ethnic groups, and cultural and political decline of Central Asia since the sixteenth century.

**U494 Central Asia under Russian Rule (3 cr.) S & H** Survey of political and social history of Russian domination of Central Asia from mid-nineteenth century to present. Special attention given to motives for and methods of Russian expansion, to formation of modern nations in Soviet Central Asia, and to the impact of that region on the Soviet Union.

**U496 Ethnic History of Central Asia (3 cr.) S & H** A survey of the gradual formation of major ethnic groups that inhabit Central Asia at present, with a description of their traditional culture.

**U497 Inner Asian Peoples and Nationality Policy in the People's Republic of China (3 cr.) S & H, CSA P:** Junior or senior standing or consent of instructor. Introduction to the major Inner Asian peoples in the modern People's Republic of China, identifying them by language and location and briefly sketching their modern histories. Students will also be introduced to the policies and ideas by which they have been governed during the last several decades.

**U498 Religion and Power in Islamic Central Asia (3 cr.)** Selected topics dealing with the impact of religious categories (the sacred, holy men and saints, sacred literature, religious institutions, etc.) on the structure and development of Inner Asian societies. Application of methodology of comparative religion and the history of religion to the Inner Asian context.

#### **Related History Department Courses**

**C393 Ottoman History (3 cr.) S & H, CSA**

**D321 Hungarian History and Civilization to 1711 (3 cr.) S & H, CSA**

**D322 Hungarian History and Civilization, 1711-1918 (3 cr.) S & H, CSA**

# Chemistry

## Faculty

**Chairperson** Richard DiMarchi

**Distinguished Professors** Kenneth Caulton, Gary Hieftje, Ronald Hites, Milos Novotny, Peter Ortoleva, Charles Parmenter

**Herman T. Briscoe Professor** Dennis Peters

**Harry G. Day Chair** David Williams

**Linda and Jack Gill Chair in Biomolecular Sciences** Richard DiMarchi

**Lilly Alumni Chair** Milos Novotny

**Robert and Marjorie Mann Chairs** David Clemmer, Gary Hieftje, Martin Jarrold

**Professors** Romualdo de Souza, Krishnan Raghavachari, James Reilly, Theodore Widlanski, Jeffrey Zaleski

**Associate Professors** Stephen Jacobson, Caroline Jarrold, Martha Oakley, Philip Stevens, Martin Stone, Faming Zhang

**Assistant Professors** Mu-Hyun Baik, Lane Baker, Bogdan Dragnea, Amar Flood, Srinivasan Iyengar, Dongwhan Lee, Liang-shi Li, Daniel Mindiola, Thomas Tolbert

**Clinical Assistant Professor** Cathrine Reck

**Lecturer** Jill Robinson

**Academic Advising** Alice Dobie-Galuska, Chemistry C021, (812) 855-2700

## Introduction

The Department of Chemistry (CHEM) offers bachelor's degrees in chemistry and biochemistry. To enter one of the programs, students should have completed a minimum of two years of high school algebra, one-half year of trigonometry, one year each of physics and chemistry, and three or four years of a modern foreign language. Enrollments in some courses may be limited to students with a grade of C- or higher in the prerequisite chemistry courses.

## 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) and C118 (or C106-C126), or S117 (or S105-S125) and S118 (or S106-S126).

## 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":

S105, S106, S117, S118, S125, S126, S341, S342, S343, and S344. These courses are equivalent to the corresponding courses lettered "C" for meeting stated requirements.

## Major in Chemistry—B.A.

**Purpose** This major is designed for students planning to do work in other fields, including medicine, dentistry, law, optometry, and business.

**Requirements** Students must complete the following course work with a minimum grade of C- in each course:

1. 27 credit hours of course work including C117 (or C105-C125), C341, C342, C343, and C360 or C361 or C362.
2. Eleven elective credit hours in chemistry. The following courses may not be used to fulfill the 27 credit hour requirement: C103, C107, G207, C240, G307, C371, C372, Y398, C400, C401, G407, C409, and G499
3. Physics P201-P202
4. Mathematics M119 or M211

Students must also complete 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 many other fields.

## Major in Biochemistry—B.A.

**Purpose** This major is designed for students planning to attend medical or dental school, but who cannot meet all requirements for the B.S. in biochemistry and who do not plan to pursue graduate work or to seek employment in industry.

**Requirements** Students must complete the following course work with a grade of C- or higher in each course:

1. C117 (or C105-C125), C341, C342, C343, C484, C485, and C487
2. A minimum of 8 credit hours selected from the following: A314, A315, 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 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.S.

**Purpose** The B.S. in chemistry is designed to prepare students for graduate work and for jobs in industry as well as for medical and dental schools.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as B.A. degree.
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.

**Major Requirements** Students must complete the following course work with a minimum grade of C- in each course:

1. 45 credit hours of chemistry, including A315, A318, 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: C103, C240, G307, and G499
2. At least 6 of the remaining hours must be in lecture courses at the 400-level or above.
3. At least 4 of the remaining hours must be in laboratory courses.
4. Mathematics M211-M212, and M303 or M311 or M343.
5. Physics P221-P222.
6. Biology L112.

Students must also complete the requirements and procedures listed in this bulletin under "General Requirements for Bachelor's Degrees."

**Recommendations** Mathematics M311 is recommended over Mathematics M303 or M343.

## Major in Biochemistry—B.S.

**Purpose** The B.S. in biochemistry is designed for students planning to attend medical or dental school, to do graduate work in biochemistry, or to seek employment in industry.

**Requirements** Students must complete all of the following fundamental skills and distribution requirements:

1. Writing, same as B.A. degree.
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, three courses.
5. Natural and mathematical sciences, fulfilled by major.

**Major Requirements** Students must complete all of the following course work with a grade of C- or higher in each course:

1. 45 credit hours of chemistry, including A314, N330, C341, C342, S343, C361-C362 or C361-C481, C484, C485 and C487. The following courses may not be counted in the 45 credit hours required for the major: C103, C240, G307, and G499.
2. At least 5 of the remaining credit hours must be in lecture courses at the 400-level or above.
3. At least 4 of the remaining credit hours must be in laboratory courses.
4. Mathematics M211-M212
5. Physics P221-P222
6. Biology L112 and at least one of the following: L311, L312, M250-M255, M430.

Students must also complete the requirements and procedures listed in the 2004-06 Bulletin under "General Requirements for Bachelor's Degrees."

**Recommendations** Chemistry C487 is recommended over Chemistry C364. Chemistry C481 is recommended over Chemistry C362. Biology L211 is also recommended.

## Minor in Chemistry

**Requirements** 17 credit hours or more in chemistry to include the following courses:

1. Core courses: C117 (or C105 and C125) and C341.
2. 9 hours of electives chosen from A314, A318, 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 (or S105-S125); and 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, C364, 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 at the end of the senior year. Students in the program must maintain a minimum grade point average of 3.300.

## Course Descriptions

### **C100 The World as Chemistry (3 cr.) 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. Prerequisite: Curiosity. Credit given for only one of C100, C101, C105, S105, C117, or S117.

### **C101 Elementary Chemistry I (3 cr.) N & M**

Usually taken concurrently with C121. Introduction to chemistry. The two sequences, C101-C121 and C102-C122, usually satisfy programs that require only two semesters of chemistry. Admission to advanced courses on the basis of C101-C121 and C102-C122 is granted only in exceptional cases. May be taken in preparation for C117 by students with deficiencies in chemistry. Credit given for only one of C100, C101, C105, S105, C117 or S117.

### **C102 Elementary Chemistry II (3 cr.) 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. Credit given for only one of C102, C106, S106, C118 or S118; however, for students electing to major in allied health sciences after having taken C106, S106, C118, or S118, credit may also be received for C102 with consent of the chemistry undergraduate advisor.

### **C103 Introduction to Chemical Principles (5 cr.) N & M P:**

Scores on placement exams and instructor's permission. To be taken as preparation for C117. Content includes: applications of measurement and chemical formula/equation conversions; modern view of the atom; and solution processes that relate to chemical reactions. Emphasis of lectures and discussion sections will be problem-solving strategies.

### **C107 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.

### **C117 Principles of Chemistry and**

**Biochemistry I (5 cr.) N & M P:** Chemistry and math placement exams or consent of department. Introduction to the basic principles of chemistry and biochemistry with their applications to physiological (biochemical) functions. An integrated lecture-laboratory course covering basic principles of chemistry and biochemistry. Credit given for only one of the following: C101-C121, C105-C125, S105-S125, C117 or S117.

### **S117 Principles of Chemistry and Biochemistry I, Honors (5 cr.) N & M**

P: Placement examination or consent of department. For students with unusual aptitude or preparation. An integrated lecture-laboratory course covering basic principles of chemistry and biochemistry. First semester of a two-semester sequence. Credit given for only one of the following: C101-C121, C105-C125, S105-S125, C117 or S117.

### **C118 Principles of Chemistry and**

**Biochemistry II (5 cr.) N & M P:** C117 or C105-C125. Introduction to the basic principles of chemistry and biochemistry with their applications to physiological (biochemical) functions. An integrated lecture-laboratory course covering basic principles of chemistry and biochemistry. Second semester of a two-semester sequence. Credit given for only one of the following: C102-C122, C106-C126, S106-S126, C118, or S118.

### **S118 Principles of Chemistry and Biochemistry II, Honors (5 cr.) N & M**

P: S117 or consent of department. For students with unusual aptitude or preparation. An integrated lecture-laboratory course covering basic principles of chemistry and biochemistry. Second semester of a two-semester sequence. Credit given for only one of the following: C102-C122, C106-C126, S106-S126, C118 or S118.

### **C121 Elementary Chemistry Laboratory I (2 cr.)**

P or C: C101. Introduction to the techniques and reasoning of experimental chemistry. Credit given for only one of the following: C117, S117, C121, C125, or S125.

### **C122 Elementary Chemistry Laboratory II (2 cr.)**

P: C101, C121. P or C: C102. Continuation of C121. Emphasis on organic and biochemical experimental techniques. Credit given for only one of the following: C118, S118, C122, C126, or S126; however, for students electing to major in allied health sciences after having taken C118, S118, C126, S126, credit may also be received for C122 with consent of the chemistry undergraduate advisor.



**G201 Service Learning in Chemistry (1 cr.)**

P: C117. 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 3 credit hours.

**G207 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.

**C240 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, pK<sub>a</sub>'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.

**G307 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.

**A314 Biological and Environmental Chemical Analysis (4 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. Laboratory experiments will emphasize chemical methods used for environmental and biological analysis. Credit not given for A314 and A318, or for A314 and A316.

**A315 Chemical Measurements and Laboratory (2 cr.)**

P: A318. Application of analytical techniques and instrumentation to qualitative and quantitative chemical analysis. Theory, instrumentation, and data analysis will be covered.

**C315 Chemical Measurements Laboratory I (3 cr.)**

P: C317, C318. Experimental work in related areas of chemical analysis,

instrumentation, and elementary physical chemistry.

**A316 Bioanalytical Chemistry Laboratory (2 cr.)**

P: A318, or C317 and C318. 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 and A314.

**C317 Equilibria and Electrochemistry (2 cr.)**

P or C: C341 or S341, and MATH M211 or M215. Treatment of analytical data; chemical equilibrium; aqueous and non-aqueous acid-base titrimetry; complex-formation titrations; gravimetric analysis; redox titrations, electrochemical theory; potentiometry; voltammetry; coulometry.

**A318 Analytical Chemistry (4 cr.)**

P or C: C341 or S341, and MATH M211. Theory and application of three major areas of analytical chemistry: spectrochemistry, separations, and electrochemistry. Topics include ultraviolet, infrared, luminescence, and X-ray spectroscopy, flame and electrical discharge techniques, mass spectrometry, chromatography; electrophoresis, potentiometry, coulometry, and voltammetry. Credit given for only one of A318 and A314.

**C318 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.

**N330 Intermediate Inorganic Chemistry (5 cr.)**

P: C342, S342, or R340. 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, reaction mechanisms, and catalysis.

**S330 Intermediate Inorganic Chemistry, Honors (5 cr.)**

P: S342 or consent of instructor. 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, reaction mechanisms, and catalysis.

**R340 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, or S341, and credit given for only one of R340, C342, or S342.

**C341 Organic Chemistry I Lectures (3 cr.)**

N & M P: C117 or C106. 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.

**S341 Organic Chemistry I Lectures, Honors (3 cr.)**

N & M P: S117 or S106, 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. Credit given for only one of C341, S341, or R340.

**C342 Organic Chemistry II Lectures (3 cr.)**

N & M P: C341. Syntheses and reactions of polyfunctional compounds, natural and industrial products; physical and chemical methods of identification. Credit given for only one of C342, S342, or R340.

**S342 Organic Chemistry II Lectures, Honors (3 cr.)**

N & M P: S341 or 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.

**C343 Organic Chemistry I Laboratory (2 cr.)**

P: C341. R: C342 concurrently. Laboratory instruction in the fundamental techniques of organic chemistry and the use of general synthetic methods. Credit not given for both C343 and S343.

**S343 Organic Chemistry I Laboratory, Honors (2 cr.)**

P: 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.

**C344 Organic Chemistry II Laboratory (2 cr.)**

P: C342 and C343. Preparation, isolation, and identification of organic compounds; emphasis on modern research methods. Credit not given for both C344 and S344.

**S344 Organic Chemistry II Laboratory, Honors (2 cr.)**

P: S342, S343. Special course for students with unusually good aptitude or preparation, covering same subject matter as C344. Credit not given for both S344 and C344.

**C360 Introductory Physical Chemistry (3 cr.)**

N & M P: C117 or C106; N330 strongly

recommended. MATH M119, 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 only for C360, C361/C362, or S361/S362.

**C361 Physical Chemistry of Bulk Matter (3 cr.)**

N & M P: C117 or C106; N330 strongly recommended. 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.

**S361 Physical Chemistry of Bulk Matter, Honors (3 cr.)**

N & M P: S106 or S118 or consent of instructor, and MATH M212 or M216. P or C: P 222. 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. For students with unusually good aptitude or preparation. Credit given for only one of the following: C360, C361, or S361.

**C362 Physical Chemistry of Molecules (3 cr.)**

N & M P: C117 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 the following: C362, S362, or C360.

**S362 Physical Chemistry of Molecules, Honors (3 cr.)**

N & M P: S106 or S118, or consent of instructor, and Math M212 or M216. P or C: PHYS P222. Quantum states and spectroscopy of molecules, statistical thermodynamics, and elementary kinetic theory, current topics. For students with unusually good aptitude or preparation. Credit given for only one of the following: C360, C362, or S362.

**C364 Introduction to Basic Measurements (3 cr.)**

P: C361 or S361. Graduated laboratory practice relating elementary principles of measurement technologies to current research applications.

**P364 Basic Measurements in Physical Chemistry (2 cr.)**

P: C361 or S361. 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.

**C372 Chemical Informatics II: Molecular Modeling (2 cr.)**

P: C341. Molecular modeling and computational chemistry; application of quantum mechanics and molecular mechanics

to derive structural and energetic information about molecules; conformational analysis; quantitative structure activity relationships (OSAR) and related methods for drug design.

**Y398 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.

**G407 Chemistry Senior Seminar (1 cr.)**  
P: G207 or instructor permission; senior standing; Chemistry or Biochemistry major. Students will present seminars based on current literature or their C409 research project; assignments will include surveying assigned journals. Focuses will include coverage of recent important developments, further experience in making scientific presentation, and encouragement of good literature reading habits. Not repeatable for credit.

**C409 Chemical Research (1-3; 10 cr. max.)**  
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. A written research thesis is required.

**G410 Chemical Research Capstone (2 cr.)**  
P: Approval of research director and department; Two semesters of C409. For outstanding students. May be used to satisfy upper-level laboratory hour requirements in the B.S. major; may not be used in fulfillment of chemistry major hours in a B.A. major. A written research thesis with oral presentation is required.

**C430 Inorganic Chemistry (3 cr.) N & M**  
P: C106 or C118, or S106 or S118 or N330 or S330, and C342 or S342. R: C362. Structure and bonding of inorganic compounds; survey of chemistry of non-metal and metal elements, coordination compounds, organometallic compounds, mechanisms and reactions.

**C432 Spectroscopic Methods in Inorganic Chemistry (3 cr.)** P: C360 or C361. Chemical applications of group theory and the elucidation of structure and bonding in inorganic molecules and complexes by vibrational, nuclear magnetic resonance, Mossbauer and electronic absorption spectroscopy.

**C437 Inorganic Chemistry Laboratory (2 cr.)**  
P: C343 or S343 and C430 on Bloomington campus. Synthesis, characterization, and study of chemical and physical properties of inorganic and organometallic compounds.

**C443 Organic Spectroscopy (3 cr.)** P: C342 and C362. Elucidation of molecular structures by use of IR, UV, NMR, mass spectroscopy, and other methods.

**C460 Nuclear Chemistry (3 cr.) 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.

**P464 Advanced Measurements in Physical Chemistry (2 cr.)** P: P364. C: C362. 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.

**C481 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.

**C483 Biological Chemistry (3 cr.) N & M**  
P: C342 or R340. R: both C342 and N330 strongly recommended. Introduction to structure, chemical properties, and interrelationships of biological substances.

**C484 Biomolecules and Catabolism (3 cr.) N & M** P: 18 credit hours of chemistry, including C341 and C342. Structure and function of cellular components and the generation of phosphate-bond energy. Credit not given for both C484 and C483.

**C485 Biosynthesis and Physiology (3 cr.) N & M** P: C484. Biosynthetic pathways, expression of genetic information, molecular physiology. Credit not given for both C485 and C483.

**B487 Enzymology Laboratory (2 cr.)**  
P: C343. P or C: C484. Laboratory instruction in the fundamental techniques of protein biochemistry including assay methods; separation of macromolecules by electrophoresis and chromatography; isolation, purification, analysis of enzymes, and methods for probing protein-ligand interactions.

**C487 Biochemistry Laboratory (3 cr.)**

P: C344 or S344 and C484. Laboratory instruction in the fundamental techniques of biochemistry, including assay methods; separation of macromolecules by electrophoresis and chromatography; isolation, purification, and analysis of enzymes; recombinant DNA procedures; polymerase chain reaction (PCR).

**B488 Experimental Nucleic Acid Chemistry (2 cr.)**

P: C343. 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.

**C497 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.

**C498 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.

**G499 Internship in Chemical Instruction (1-3 cr.)**

P: Consent of department. Supervised experience in teaching an undergraduate chemistry course. May not count credit hours toward hours in the major.

**Related Research Courses**

The following courses 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 hours; B.S. students may not count MSCI M450 in the minimum 25 COLL hours required in the major subject area out of the total of 45 chemistry hours required for the major.

- BIOL L490 Individual Study
- MSCI M450 Undergraduate Research in Biomedical Sciences



# Chicano-Riqueño Studies

## Faculty

**Director** Luis Dávila (Spanish and Portuguese)

**Professors** Robert Arnove (Emeritus, School of Education), Richard Bauman (Folklore and Ethnomusicology), Christine Bennett (School of Education), Jorge Chapa (Latino Studies), Heitor Martins (Spanish and Portuguese), John McDowell (Folklore and Ethnomusicology)

**Associate Professors** Luis Dávila, Arlene Diaz (History), Manuel Martinez (English), John Nieto-Phillips (History), Philip Parnell (Anthropology, Criminal Justice), Iris Rosa (African American and African Diaspora Studies), Russell Salmon (Emeritus, Spanish and Portuguese), Beverly Stoeltje (Folklore and Ethnomusicology)

**Assistant Professor** Vivian Nun Halloran (Comparative Literature)

**Senior Lecturer** Juan Manuel Soto-Arrivi

**Librarian** Luis González (Chicano-Riqueño Studies Collection)

**Academic Advising** Ballantine Hall 849, (812) 855-5257

## Introduction

The Chicano-Riqueño Studies Program is an interdisciplinary program offering students an opportunity to study the cultural roots, the heritage, and the contemporary social framework of the Chicano, the Puerto Rican, and the other Spanish-speaking peoples of the United States.

The program encourages a United States Latino focus within the Latin American studies minor or certificate, and its faculty sponsors courses, symposia, guest lectures, poetry readings, and research on United States Hispanics in the fields of anthropology, bilingual education, folklore, history, language, and literature. The program publishes an occasional series of scholarly monographs on literature, language, and culture. It helps support *Chiricú*, a literary magazine, and helped found *Third Woman*, a journal of women writers; it also promotes musical performances, art exhibits, and readings of Chicano and Puerto Rican works.

## Course Descriptions

**Note:** Courses listed from the School of Education will be **outside** credit hours for College of Arts and Sciences students.

### Anthropology

- E321 Peoples of Mexico (3 cr.) **S & H, CSA**  
 E335 Ancient Civilizations of Mesoamerica (3 cr.)  
**CSA**  
 E340 Indians of Mexico and Central America (3 cr.) **S & H, CSA**  
 E457 Ethnic Identity (3 cr.)

### Criminal Justice

- P303 Corrections and Criminal Justice (3 cr.)  
**S & H**

### Fine Arts

- A452 Art of Pre-Columbian America (4 cr.)  
**S & H, CSA**

### Folklore and Ethnomusicology

- F315 Latin American Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**  
 F356 Chicano Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**  
 F363 Women's Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**

### History

- H211-H212 Latin American Culture and Civilization (3-3 cr.) **S & H, CSA**  
 A352 History of Latinos in the United States (3 cr.) **S & H, CSA**

### Sociology

- S335 Race and Ethnic Relations (3 cr.) **S & H**

### Spanish and Portuguese

#### Language Courses

- S175 Spanish for Hispanic Students I (4 cr.)  
 S221 Spanish for Hispanic Students II (3 cr.)  
 S276 Spanish for Hispanic Students III (3 cr.)

#### Culture and Literature Courses

- S220 Chicano and Puerto Rican Literature (3 cr.) **A & H, CSA**  
 S284 Women in Hispanic Culture (3 cr.) **A & H, CSA**  
 S331 The Hispanic World I (3 cr.) **A & H, CSA**  
 S412 Spanish America: The Cultural Context (3 cr.) **A & H, CSA**  
 S413 Hispanic Culture in the United States (3 cr.)  
**A & H, CSA**  
 S435 Literatura Chicana y Puertorriqueña (3 cr.)  
**A & H**  
 S470 Women and Hispanic Literature (3 cr.)  
**A & H**  
 S471-S472 Spanish American Literature I-II (3-3 cr.) **A & H**  
 S474 Hispanic Literature and Society (3 cr.)  
**A & H**  
 S479 Mexican Literature (3 cr.) **A & H**

### School of Education

- M300 Teaching in a Pluralistic Society (3 cr.)  
 H340 Education and American Culture (3 cr.)  
 L441 Introduction to Bilingual Education (3 cr.)

# Classical Studies

## Faculty

**Chairperson** Matthew R. Christ

**Professors** James L. Franklin Jr., Eleanor Winsor Leach, Timothy Long

**Associate Professors** Cynthia J. Bannon, Matthew R. Christ, Christina Illias, Betty Rose Nagle

**Assistant Professors** Bridget K. Balint, Kevin Glowacki, Madeleine Goh

**Academic Advising** Ballantine Hall 547, (812) 855-6651

## 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.

## Major in Latin or Greek

**Requirements** Students must complete a minimum of 27 credit hours, including the following:

1. 18 credit hours of Latin and Greek courses. Latin majors may count courses at or above L250 (but not L300 or L400), and must take at least two 400-level courses.
2. One of the following: C308, C310, C311, C350, C351, C360, C361, or HIST C386, C387, C388, C390.
3. 3 additional credit hours of Latin, Greek, or classical civilization courses.
4. C494 or another classical civilization course to be determined with the major advisor.
5. A course in Roman history or C414 is recommended for Latin majors. A course in Greek history or C413 is recommended for Greek majors.

**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

**Requirements** Students must complete a minimum of 27 credit hours, including the following:

1. C101, C102, C205, C206, and C494 or H494
2. One of the following: C308, C310, C311, C350, C351, C360, C361, or HIST C386, C387, C388, C390.
3. 9 credit hours of additional course work chosen from the following: C308, C310, C311, C350, C351, C360, C361, C396, C405, C408, C409, C416, C491; History C386, C387, C388, C390, C498; Philosophy P201; Religious Studies R220, R325; Communication and Culture C419.

A course in Greek or Roman history or C413 or C414 is recommended.

## Major in Classical Civilization: Art and Archaeology

**Requirements** Students must complete a minimum of 27 credit hours, including the following:

1. C101, C102, C205, C206, C494 or H494.
2. One of the following: C308, C310, C311, C350, C351, C360, C361, or HIST C386, C387, C388, C390.
3. 9 credit hours of additional course work chosen from the following: C412, C413, C414, C416, C419, C420, C421, C422, C396, C498; Fine Arts A311, A312, A314, A410, A416, A417, A418, A419; Anthropology P220, P301, P409.

## Minor in Greek

**Requirements** 15 credit hours or more in Greek, including at least 3 hours at the 300 or 400 level.

1. The minor is to be completed with an average grade of C or higher.
2. A maximum of 3 credit hours of conference courses (C495, G495, L495) may be substituted and counted toward the minor. The undergraduate advisor must approve any such substitution before credit will be counted toward a minor.
3. Students may transfer up to 6 hours of credit from another institution to count toward the minor with the approval of the undergraduate advisor.

A student majoring in Greek or Latin may not minor in Greek.

## Minor in Latin

**Requirements** 15 credit hours or more at or above the 200 level in Latin (excluding L300), including at least 6 hours at the 300 or 400 level.

1. The minor is to be completed with an average grade of C or higher.

2. A maximum of 3 credit hours of conference courses (C495, G495, L495) may be substituted and counted toward the minor. The undergraduate advisor must approve any such substitution before credit will be counted toward a minor.
3. Students may transfer up to 6 hours of credit from another institution to count toward the minor with the approval of the undergraduate advisor.

A student majoring in Greek or Latin may not minor in Latin.

### Minor in Classical Civilization

**Requirements** 15 credit hours or more.

1. The minor is to be completed with an average grade of C or higher.
2. A maximum of 3 credit hours of conference courses (C495, G495, L495) may be substituted and counted toward the minor. The undergraduate advisor must approve any such substitution before credit will be counted toward a minor.
3. Students may transfer up to 6 credit hours from another institution to count toward the minor with the approval of the undergraduate advisor.

Two tracks are available:

#### Literary and Cultural 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, C350, C351, C360, C361, or HIST C386, C387, 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: HIST C386, C387, C388, C390, or C409, C411, C412, C414, C419, C420, C421, C422, C495. 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 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

**G100 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.

**G150 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.

**G200 Greek Prose: Pagans and Christians (3 cr.)** P: G150 or equivalent. Reading from the New Testament and such authors as Aesop and Plato. Review of syntax and grammar. Credit not given for both G200 and G302. I Sem.

**G250 Greek Poetry: Homer (3 cr.)** P: G200 or equivalent. Selected readings from the *Iliad* or *Odyssey*. Credit not given for both G250 and G302. II Sem.

**G301-G302 Classical Greek: Accelerated Course I-II (5-5 cr., undergrad.; 3-3 cr., grad.)** Not open to students with credit in G100-G150, G200, G250. For advanced students (undergraduates who have already completed the language requirement for the B.A. in another language, or graduate students) with little or no knowledge of Greek. Designed to help students who wish to acquire the ability to read Greek literature. G301, I Sem.; G302, II Sem.

**G305 Greek Tragedy (3 cr.) A & H** P: G250, G302, or G308. One play of Sophocles and one of Euripides in the light of the social and cultural background.

**G306 Greek Oratory (3 cr.) A & H** P: 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.

**G307 Selected Works of Plato (3 cr.) A & H** P: G250, G302, or G308. An introduction to the works of Plato, emphasizing the figure of Socrates.

**G308 Readings in Biblical Greek (3 cr.) A & H** P: G200 or G302. Selected readings from the New Testament and Septuagint. II Sem.

**G406 Homer (3 cr.) A & H** Introduction to the Homeric dialect and epic style and study of Homer's place in Greek culture through readings from the *Iliad* or *Odyssey*.

**G407 Greek Historians (3 cr.) A & H** 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.

**G410 Greek Prose Authors (3 cr.) A & H** Advanced reading material taken from such historians, orators, and philosophers as Thucydides, Demosthenes, Isocrates, Plato, and Aristotle.

**G411 Greek Comedy (3 cr.) A & H** Aristophanes and Menander; emphasis on the cultural background and the development of comic drama at Athens.

**G495 Individual Reading in Greek (1-3 cr.)** P: Consent of department. May be repeated once for a maximum of 6 credit hours.

### Latin Courses

**L100 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.

**L103 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.

**L150 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.

**L200 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.

**L250 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.

**L300 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.

**L304 Catullus (3 cr.) 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.

**L305 Ovid (3 cr.) A & H** P: L250 or equivalent. Selections from the *Metamorphoses* and other

writings; emphasis on Ovid's artistic and social importance. I Sem.

**L307 Cicero (3 cr.) 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.

**L308 Caesar (3 cr.) A & H** P: L250 or equivalent. Readings from Caesar's *De Bello Gallico* and *De Bello Civili* with emphasis on syntax as well as a discussion of political background and Caesar as a cultural figure.

**L400 Intensive Study of Literary Latin (4 cr., undergrad.; 3 cr., grad.)** 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

Prerequisites for the following 400-level courses: two courses chosen from L305, L307, L308, L309, and L310 or the equivalent.

**L407 Roman Lyric and Elegy (3 cr.)** 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.

**L408 Roman Comedy (3 cr.)** Introductory study of ancient Roman comedy, with selections from Plautus and Terence. II Sem.

**L409 Readings in Medieval Latin (3 cr.)** 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.

**L410 Advanced Prose Composition (3 cr.)** P: L305, L307, L308, L309, or consent of instructor. Exercises in composition requiring control of principal features of Latin syntax.

**L423 Roman Satire (3 cr.)** 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.

**L424 Silver Age Historians (3 cr.)** 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.



**L426 Rhetoric and Oratory (3 cr.)** History of Roman rhetoric and oratory; emphasis on Cicero and Quintilian.

**L427 Virgil's *Eclogues* and *Georgics* (3 cr.)** Virgil's earlier work; emphasis on the development of his poetic technique and on the poet's role in the new order of Augustus.

**L428 Advanced Study of Virgil's *Aeneid* (3 cr.)** Extensive reading in the *Aeneid*, with special attention to the poetic art of Virgil. Detailed study of Latin epic poetry.

**L429 Roman Letters (3 cr.)** 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.

**L430 Lucretius (3 cr.)** Extensive reading in the text of *De Rerum Natura* and consideration of Epicureanism as a philosophical and social movement.

**L432 Livy (3 cr.)** Readings from Livy's Roman history with discussion of the author's methods and values.

**L495 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.

**C101 Ancient Greek Culture (3 cr.) A & H, CSA** 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.

**C102 Roman Culture (3 cr.) A & H, CSA** 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.

**C205 Classical Mythology (3 cr.) A & H, CSA** 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.

**C206 (Fine Arts A206) Classical Art and Archaeology (3 cr.) A & H, CSA** 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.

**C209 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.

**C308 Roman Law (3 cr.) A & H, CSA** An introduction to the Roman legal system and, more generally, to legal reasoning, with a focus on the Roman law of delict (roughly equivalent to tort). The course uses the casebook method requiring daily participation in discussion of legal cases; other requirements include short writing exercises, exams, and papers.

**C310 Classical Drama (3 cr.) A & H, CSA** Masterpieces of ancient Greek and Roman theatre studied in relation to literary, archaeological, and artistic evidence for their production and interpretation.

**C311 Classical Epics (3 cr.) A & H, CSA** 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.

**C350 Greek Literature in Translation (3 cr.) A & H, CSA** Survey of Greek literature through selected literary works of such authors as Homer, Herodotus, Thucydides, Sophocles, Euripides, Aristophanes, and Plato.

**C351 The Golden Age of Athens (3 cr.) A & H, CSA** Literary and artistic masterpieces of classical Greece viewed against the intellectual, cultural, and political background of democratic Athens.

**C360 Roman Literature in Translation (3 cr.) A & H, CSA** Survey of Latin literature from its beginnings to the middle of the second century after Christ. Among authors read are Plautus, Terence, Catullus, Cicero, Homer, Virgil, Ovid, Petronius, Juvenal, Tacitus, and Apuleius.

**C361 The Golden Age of Rome (3 cr.) A & H** Literary and artistic masterpieces of the Augustan age viewed in connection with the foundation of the Roman Empire.

**C395 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.

**C396 Classical Studies Abroad (1-9 cr.)**  
P: Acceptance into an approved Indiana University overseas study program. Credit for foreign study in classical languages, civilization, and archaeology when no specific equivalent is available among departmental offerings. Credit in C396 may be counted toward a major or minor in Classical Studies or Classical Civilizations with approval of undergraduate advisor. May be repeated for a maximum of 9 credit hours.

**C399 Reading for Honors (12 cr. max.)**

P: Approval of departmental honors advisor.  
I Sem., II Sem.

**C405 Comparative Mythology (3 cr.,**

**undergrad.; 4 cr., grad.) 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.

**C409 Roman Literature and Art (3 cr.) 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.

**C412 (FINA A412) The Art and Archaeology of the Aegean (3 cr., undergrad.; 4 cr., grad.) A & H**

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.

**C413 (FINA A413) The Art and Archaeology of Greece (3 cr., undergrad.; 4 cr., grad.) 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.

**C414 (FINA A414) The Art and Archaeology of Rome (3 cr., undergrad.; 4 cr., grad.) 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.

**C416 Ovidian Mythology and Its Tradition (3 cr.) 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, Petrarca, Chaucer, and Shakespeare and paintings by Botticelli, Raphael, Coreggio, Titian, the Carracci, and Poussin.

**C419 The Art and Archaeology of Pompeii (3 cr., undergrad.; 4 cr., grad.) A & H**

P: C102, C206, or equivalent. 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.

**C420 Topography and Monuments of Athens (3 cr.) A & H**

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.

**C421 Topography and Monuments of Ancient Rome (3 cr.) A & H**

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.

**C422 Greek Sculpture (3 cr.)**

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.

**C423 Ancient Painting (3 cr.)**

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.

**C491 Topics in Classical Studies (3 cr.)**

A detailed examination of a particular aspect of classical civilization using a variety of literary and archaeological evidence.

**C494 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. May be repeated once for credit.

**C495 Individual Reading in Classics (1-3 cr.)**

P: Consent of department. May be repeated once for a maximum of 6 credit hours.

**C498 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.

**C499 Reading for Honors (12 cr. max.)**

P: Approval of departmental honors advisor.

# Cognitive Science

## Faculty

**Director of Cognitive Science and Chancellor's Professor of Psychological and Brain Sciences** Robert Goldstone

**Arthur F. Bentley Professor of Political Science** Elinor Ostrom

**Barbara Jacobs Chair in Education** Donald J. Cunningham, Thomas M. Duffy

**Chancellor's Professor of Economics and Henry H.H. Remak Professor of West European Studies** Roy Gardner

**Chancellor's Professor of Linguistics** Daniel Dinnsen

**Chancellor's Professor and Chair of Psychological and Brain Sciences** Linda B. Smith

**Chancellor's Professor of Psychology** James C. Craig, David B. Pisoni, Steven Sherman

**College Professor of Cognitive Science and Computer Science** Douglas Hofstadter

**Distinguished Scholar of Psychology** William Estes

**John F. Mee Chair of Management** Philip Podsakoff

**Linda and Jack Gill Chair of Neuroscience** J. Michael Walker

**Luther Dana Waterman Professor of Psychology** Richard M. Shiffrin

**Martha Lea and Bill Armstrong Chair in Teacher Education** Frank K. Lester

**Oscar R. Ewing Professor of Philosophy** J. Michael Dunn

**Rudy Professor of Economics** George von Furstenberg

**Rudy Professor of Psychology and Sociology** Stanley Wasserman

**Rudy Professor of Psychology** James T. Townsend

**Victor H. Yngve Associate Professor of Information Science** Javed Mostafa

**Professors** Colin Allen (History and Philosophy of Science), Geoffrey P. Bingham (Psychological and Brain Sciences), Curtis Bonk (School of Education), Arthur Bradley (School of Optometry), Jerome Busemeyer (Psychological and Brain Sciences), Phil Connell (Speech and Hearing Sciences), James C. Craig (Psychological and Brain Sciences), Donald Cunningham (School of Education, School of Informatics, Semiotic Studies), Stuart Davis (Linguistics), Daniel Dinnsen (Linguistics), Thomas Duffy (School of Education), J. Michael Dunn (School of Informatics, Philosophy, Computer Science), William Estes (Psychological and Brain Sciences), Steven Franks (Slavic Languages and Literatures, Linguistics), Roy Gardner (Economics), Preston Garraghty (Psychological

and Brain Sciences), Judith Gierut (Speech and Hearing Sciences), Robert Goldstone (Psychological and Brain Sciences), Andrew Hanson (Computer Science), Jeffrey Hart (Political Science), Beverly Hartford (Linguistics), Julia Heiman (Psychological and Brain Sciences), Douglas Hofstadter (Computer Science), Diane Kewley-Port (Speech and Hearing Sciences), Marianne Kielian-Gilbert (Jacobs School of Music), Eugene Kintgen (English), John Kruschke (Psychological and Brain Sciences), Annie Lang (Telecommunications), David Leake (Computer Science), Frank Lester Jr. (School of Education), David MacKay (Kelley School of Business, Geography), Daniel Maki (Mathematics), Eugene McGregor (School of Public and Environmental Affairs), Michael McRobbie (Computer Science, Philosophy, School of Informatics), Lawrence Moss (Mathematics), Robert Nosofsky (Psychological and Brain Sciences), Timothy O'Connor (Philosophy), Elinor Ostrom (Political Science, School of Public and Environmental Affairs), Christopher Peebles (Anthropology), David Pisoni (Psychological and Brain Sciences), Philip Podsakoff (Kelley School of Business), Robert Port (Computer Science, Linguistics), Paul Purdom (Computer Science), Charles Reigeluth (School of Education), Yvonne Rogers (School of Informatics), Thomas Schwen (School of Education), Steven Sherman (Psychological and Brain Sciences), Richard M. Shiffrin (Psychological and Brain Sciences), Marty Siegel (School of Education, School of Informatics), Eliot R. Smith (Psychological and Brain Sciences), Linda B. Smith (Psychological and Brain Sciences), Larry Thibos (School of Optometry), Maynard Thompson (Mathematics), William Timberlake (Psychological and Brain Sciences), Peter Todd (School of Informatics), James T. Townsend (Psychological and Brain Sciences), Dirk VanGucht (Computer Science), Alessandro Vespignani (School of Informatics, Physics), George von Furstenberg (Economics), J. Michael Walker (Psychological and Brain Sciences), Stanley Wasserman (Psychological and Brain Sciences, Sociology), Arlington Williams (Economics), Wayne Winston (Kelley School of Business), Larry Yaeger (School of Informatics)

**Professors Emeriti** Ivor Davies (School of Education), S. Lee Guth (Psychological and Brain Sciences), Alfred Strickholm (School of Medicine), Charles S. Watson (Speech and Hearing Sciences)

**Associate Professors** Joyce Alexander (School of Education), Thomas Busey (Psychological and Brain Sciences), Joseph Clements (Linguistics, Spanish and Portuguese), Kenneth de Jong (Linguistics), Theodore Frick (School of Education), Michael Gasser (Computer Science), Lisa Gershkoff-Stowe (Speech and Hearing Sciences), Ed Hirt (Psychological and Brain Sciences), Eric Isaacson (Jacobs School of Music),

Yoshihisa Kitagawa (Linguistics), Emilia Martins (Biology), Filippo Menczer (School of Informatics, Computer Science), Jonathan Mills (Computer Science), Javed Mostafa (School of Informatics), Laura Murray (Speech and Hearing Sciences), John Paolillo (School of Informatics), Jonathan Plucker (School of Education), Christopher Raphael (School of Informatics), Gregory J. E. Rawlins (Computer Science), Luis Rocha (School of Informatics), Dennis Senchuk (Philosophy), Bruce Solomon (Mathematics), Olaf Sporns (Psychological and Brain Sciences), Julie Stout (Psychological and Brain Sciences), Frederick Unverzagt (School of Medicine)

**Assistant Professors** Sasha Barab (School of Education), Eli Blevins (School of Informatics), Katy Börner (School of Library and Information Science), Theresa Burnett (Speech and Hearing Sciences), Rowan Candy (Optometry), Damir Cavar (Linguistics), Florin Cutu (Computer Science), Sumit Dhar (Speech and Hearing Sciences), Julia Fox (Telecommunications), Jason Gold (Psychological and Brain Sciences), Dennis Groth (School of Informatics), Thomas James (Psychological and Brain Sciences), Hugh Kelley (Economics), Karen Iler Kirk (Otolaryngology), Youn-Kyung Lim (School of Informatics), Sharlene Newman (Psychological and Brain Sciences), Robert Potter (Telecommunications), Kalpana Shankar (School of Informatics), Jonathan Weinberg (Philosophy), Catharine Wyss (Computer Science, School of Informatics), Chen Yu (Psychological and Brain Sciences)

**Associate Scientist** Gary Kidd (Speech and Hearing Sciences)

**Director of Technology** Ruth Eberle

**Academic Advising** Jody K. Ferguson, Eigenmann Hall 817, (812) 855-4658, ferguson@indiana.edu

## Introduction

The Department of Cognitive Science (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 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.

## Major in Cognitive Science—B.A.

The underlying aim of the program is twofold: (1) to give students a solid grounding in the formal and conceptual tools needed to understand and conduct research in cognitive science; and (2) to foster depth in a particular area. Students must satisfy four requirements. First, they must demonstrate mastery of fundamental skills by completing a set of four coordinated cognitive science core courses. Second, they must concentrate in a particular aspect of cognitive science by completing a sequence of three courses within a particular area of study. Third, they must demonstrate a breadth of knowledge across other contributing areas of cognitive science. Finally, they must complete a senior seminar course that will serve as a capstone for the degree program.

**Requirements** 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 25 College of Arts and Sciences credit hours in the major subject area, students must complete the following:

1. **CORE:** The four-course sequence: Q240, Q250, Q270, and Q320. (NOTE: Credit will not be given for both COGS Q260 and Q320.) For COGS Q320, students may substitute either COGS Q351 and CSCI C212 or CSCI B351 and CSCI C212. Students choosing to use CSCI substitutes must plan enough COGS courses to meet the minimum hours required for a COGS major. See advisor for details.
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** Psychological and Brain Sciences P325, P329, P330, P335, P350, P424, P435, P438, P443; Speech and Hearing Sciences S302, S378.

**Computation** Computer Science C211, C212, C241, C311, C335, C341, C343, B351/Q351 (or their honors equivalents).

**Foundations** Philosophy P310, P312, P320, P360, P366.

**Informatics** Informatics I200, I210 (or Computer Science A201), I211 (or Computer Science A202), I300, I320; Computer Science A346.

**Language** Linguistics L303, L306, L307, L308, L310, L325, L430, L490; Psychological and Brain Sciences P438; Speech and Hearing Sciences S201, S290, S302, S307, S319, S333, S378, S420, S433, S436.

**Logic** Philosophy P250, P251, P350, P352.

**Neuroscience** Cognitive Science Q301; Psychological and Brain Sciences P326, P407, P410, P411, P423, P426.

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.

- BREADTH:** Three ADDITIONAL courses from at least two different departments, outside of the concentration area. Courses from those departments included on the list at the end of this section are preapproved. The cognitive science undergraduate curriculum committee must approve courses not on the list on an individual basis.
- SENIOR SEMINAR:** Students must complete COGS Q400 Senior Seminar in the Cognitive and Information Sciences.

### Major in Cognitive Science—B.S.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

- Writing, same as B.A. degree.
- Mathematics: three courses, with at least one course at the 300 level or above, from the following: MATH M118, M119, M120, any 200 level or higher (includes PSY K300 and equivalent statistics courses).
- Foreign Language: three semesters in the same language, or equivalent proficiency.
- Arts and Humanities: two courses (includes COLL E103 or Honors equivalent).
- Social and Historical Studies: two courses (includes COLL E104 or Honors equivalent).

- Natural and Mathematical Sciences: two courses (includes COLL E105 or Honors equivalent).

### Major Requirements

- CORE:** The four-course sequence: Q240, Q250, Q270, Q320. (Note: Credit will not be given for both COGS Q260 and Q320.) For COGS Q320, students may substitute either COGS Q351 and CSCI C212 or CSCI B351 and CSCI C212. Students choosing to use CSCI substitutes must plan enough COGS courses to meet the minimum hours required for a COGS major. See advisor for details.
- CONCENTRATION:** Three courses in one of the following areas: cognition, computation, informatics, language, logic, and neuroscience. Of these 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** Psychological and Brain Sciences P325, P329, P330, P335, P350, P424, P435, P438, P443, Speech and Hearing Sciences S302, S378.

**Computation** Computer Science C211, C212, C241, C311, C335, C341, C343, B351/Q351 (or their Honors equivalents).

**Informatics** Informatics I200, I210 (or Computer Science A201), I211 (or Computer Science A202), I300, I320; Computer Science A346.

**Language** Linguistics L303, L306, L307, L308, L310, L325, L430, L490; Psychological and Brain Sciences P438; Speech and Hearing Sciences S201, S290, S302, S307, S319, S333, S378, S420, S433, S436.

**Logic** Philosophy P250, P251, P350, P352.

**Neuroscience** Cognitive Science Q301; Psychological and Brain Sciences P326, P407, P410, P411, P423, P426.

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.

- COGS:** Q301 Brain and Cognition.
- COMPUTATION:** Two courses from approved list of courses at the 200-level and above from the Department of Computer Science.
- BREADTH:** Three ADDITIONAL courses from at least two different departments outside of the concentration area. Courses from those departments included on the list at the end of this section are preapproved. The cognitive science undergraduate curriculum committee must approve courses not on the list on an individual basis.

6. **SENIOR SEMINAR:** Students must complete Q400 Senior Seminar in the Cognitive and Information Sciences.
7. **RESEARCH:** At least 6 credit hours from any combination of COGS Q493, Q495, and Q499.

### Minor in Cognitive Science

The minor in cognitive science consists of 19 credit hours, including:

1. **CORE:** The four-course sequence: Q240, Q250, Q270, and Q320.
2. **ELECTIVE:** At least one additional course related to cognitive science, at the 300 level or above, of a minimum of 3 credit hours, from outside the student's major department or program, to be approved by the Cognitive Science Program undergraduate advisor. Note: It is recommended, but not required, that this fifth course be COGS Q301 Brain and Cognition (3 cr.).

### 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 3.3 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

#### Q240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.)

**N & M** 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.

#### Q250 Mathematics and Logic for the Cognitive and Information Sciences (4 cr.) 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 will not be given for both COGS Q250 and INFO I201.

#### Q270 Experiments and Models in Cognition (4 cr.) 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.

#### Q301 Brain and Cognition (3 cr.) 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.

#### Q320 Computation in the Cognitive and Information Sciences (4 cr.) N & M

**P:** One semester of computer programming or equivalent experience, and mastery of two years of high school algebra or the equivalent. **R:** CSCI A201 or C212. Students will develop their computer programming skills and learn to write programs that simulate cognitive processes and run experiments with human subjects. The nature of computation, the relation between computation and intelligence, and a selection of approaches from artificial intelligence will be explored. Credit not given for both Q260 and Q320.

#### Q351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.) 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.

**Q400 Senior Seminar in Cognitive and Information Sciences (2 cr.)** P: Four classes from Q240, Q250, Q260, Q270, and Q301. 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.

**Q450 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.

**Q493 Research in the Cognitive and Information Sciences (1-3 cr.)** P: Consent of instructor. Active participation in research under faculty supervision. May be repeated for a maximum of 6 credit hours.

**Q495 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.

**Q496 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. May be repeated for a total of 6 credit hours. S/F grading.

**Q498 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.

**Q499 Honors Research Project in the Cognitive and Information Sciences (3 cr.)** P: An 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. Those marked with an asterisk (\*) are preapproved to meet concentration requirements. Note that courses taken in the School of Informatics will be outside hours for College of Arts and Sciences students. See advisor for additional breadth course options.

### Computer Science

- \*A201 Introduction to Programming I (4 cr.)  
N & M
- \*A202 Introduction to Programming II (4 cr.)  
N & M
- A247 Network Technologies and Administration (4 cr.)
- A304 Introductory C++ Programming (2 cr.)
- A306 Object-Oriented Programming in C++ (2 cr.)
- \*A346 User-Interface Programming (3 cr.)
- \*C211 Introduction to Computer Science (4 cr.)  
N & M
- \*H211 Introduction to Computer Science, Honors (4 cr.) N & M
- \*C212 Introduction to Software Systems (4 cr.)  
N & M
- \*H212 Introduction to Software Systems, Honors (4 cr.) N & M
- \*C241 Discrete Structures for Computer Science (3 cr.) N & M
- \*H241 Discrete Structures for Computer Science, Honors (3 cr.) N & M
- \*C311 Programming Languages (4 cr.) N & M
- \*H311 Programming Languages, Honors (4 cr.)  
N & M
- \*C335 Computer Structures (4 cr.) N & M
- \*H335 Computer Structures, Honors (4 cr.)  
N & M
- B401 Fundamentals of Computing Theory (3 cr.)  
N & M
- \*C343 Data Structures (4 cr.) N & M
- \*H343 Data Structures, Honors (4 cr.) N & M
- \*B351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.) N & M (cross-listed as COGS Q351)

### School of Informatics

- I101 Introduction to Informatics (3 cr.)
- \*I200 Information Representation (3 cr.)
- \*I210 Information Infrastructure I (4 cr.)
- \*I211 Information Infrastructure II (4 cr.)
- \*I300 Human Computer Interaction (3 cr.)
- \*I320 Distributive Systems and Collaborative Computing (3 cr.)

**Linguistics**

L103 Introduction to the Study of Language  
(3 cr.) **S & H**

L210 Topics in Language and Society (3 cr.)  
**S & H**

\*L303 Introduction to Linguistic Analysis (3 cr.)  
**N & M**

\*L306 Phonetics (3 cr.) **N & M**

\*L307 Phonology (3 cr.) **N & M**

\*L308 Morphology (3 cr.) **N & M**

\*L310 Syntax (3 cr.) **N & M**

\*L325 Semantics (3 cr.) **N & M**

\*L430 Language Change and Variation (3 cr.)  
**S & H**

L431 Field Methods (3 cr.)

L432 Advanced Field Methods (3 cr.)

\*L490 Linguistic Structures (3 cr.)

**Philosophy**

P100 Introduction to Philosophy (3 cr.) **A & H**

P105 Thinking and Reasoning (3 cr.) **A & H**

\*P250 Introductory Symbolic Logic (3 cr.) **N & M**

\*P251 Intermediate Symbolic Logic (3 cr.) **N & M**

\*P310 Topics in Metaphysics (3 cr.) **A & H**

\*P312 Topics in the Theory of Knowledge (3 cr.)  
**A & H**

\*P320 Philosophy and Language (3 cr.) **A & H**

\*P350 Logic of Sets (3 cr.)

\*P352 Logic and Philosophy (3 cr.) **A & H**

\*P360 Introduction to Philosophy of Mind (3 cr.)  
**A & H**

\*P366 Philosophy of Action (3 cr.) **A & H**

**Psychological and Brain Sciences**

P101/P151 Introductory Psychology I (3 cr.)  
**N & M**

or P106 General Psychology, Honors (4 cr.)  
**N & M**

P201 An Introduction to Neuroscience (3 cr.)  
**N & M**

P211 Methods of Experimental Psychology (3 cr.)  
**N & M**

\*P325 Psychology of Learning (3 cr.) **N & M**

\*P326 Behavioral Neuroscience (3 cr.)

\*P329 Sensation and Perception (3 cr.) **N & M**

\*P330 Perception/ Action (3 cr.) **N & M**

\*P335 Cognitive Psychology (3 cr.) **N & M**

P346 Neuroscience (3 cr.)

P349 Cognitive Neuroscience (3 cr.)

\*P350 Human Factors/Ergonomics (3 cr.)  
**N & M**

P405 Elementary Mathematical Psychology  
(3 cr.) **N & M**

\*P407 Drugs and the Nervous System (3 cr.)

\*P410 Development of the Brain and Behavior  
(3 cr.)

\*P411 Neural Bases of Learning and Memory  
(3 cr.)

P417 Animal Behavior (3 cr.) **N & M**

\*P423 Human Neuropsychology (3 cr.)

\*P424 Laboratory in Sensation and Perception  
(3 cr.)

\*P426 Laboratory in Behavioral Neuroscience  
(3 cr.)

P429 Laboratory in Developmental Psychology  
(3 cr.)

P433 Laboratory in Neuroimaging Methods  
(3 cr.)

\*P435 Laboratory in Human Learning and  
Cognition (3 cr.)

\*P438 Language and Cognition (3 cr.) **N & M**

\*P443 Cognitive Development (3 cr.)

P444 Developmental Psychobiology (3 cr.)

P448 Social Judgment and Person Perception  
(3 cr.)

**Speech and Hearing Sciences**

\*S201 Speech Anatomy and Physiology (3 cr.)  
**N & M**

\*S290 Spoken Language Computer Interfaces  
(3 cr.) **N & M**

\*S302 Acoustics for Speech and Hearing  
Sciences **N & M**

\*S307 Cognitive and Communicative Aspects  
of Aging (3 cr.) **N & M**

\*S319 Mathematical Foundation for Speech and  
Hearing Sciences (3 cr.) **N & M**

\*S333 Survey of Children's Language  
Development (3 cr.)

\*S378 Introduction to Psychoacoustics (3 cr.)

\*S420 Phonological Acquisition and Disorders  
in Children (3 cr.)

\*S433 Childhood Language (3 cr.) **N & M**

\*S436 Language Disorders in Children (3 cr.)



# Communication and Culture

## Faculty

**Department Chair** Professor Gregory A. Waller

**Distinguished Professors** Richard Bauman (Folklore and Ethnomusicology), Peter Bondanella (French and Italian)

**Chancellor's Professor** James Naremore (Emeritus)

**Professors** James Andrews (Emeritus), Patricia Hayes Andrews (Emeritus), Robert Ivie, Sumie Jones (East Asian Languages and Cultures), Barbara Klinger, Darlene Sadlier (Spanish and Portuguese), William E. Wiethoff

**Associate Professors** Chris Anderson, Carolyn Calloway-Thomas, Jane Goodman Joan Hawkins, John Louis Lucaites, Yeidy Rivero, Susan Seizer, Jon Simmons, Robert Terrill

**Assistant Professors** Karen Bowdre, Ilana Gershon, Mary Gray, Michael Kaplan, Joshua Malitsky, Phaedra Pezzullo, Ted Striphas

**Director, C121 Public Speaking** Cynthia Duquette Smith

**Director, C122 Interpersonal Communication** Leila Monaghan

**Academic Advising** Tara Kaufman, 1790 E. 10th St., Room 100, (812) 855-7217

## 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, 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. It also brings intercultural and transnational considerations into focus by examining how diversity and differences of various kinds are negotiated across boundaries. 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 show how communication influences public cultures across the globe. 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.

## Major in Communication and Culture

**Requirements** Students must complete the following:

1. A minimum of 30 credit hours in the department, with no more than 6 of those credit hours at the 100 level.
2. C190 and C205.
3. 15 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 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 business, consumer and social advocacy, government, communication research and education, law, 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

Students may complete a minor in the department by meeting the following requirements:

1. A total of 15 credit hours in the department.
2. C190 or C205.
3. 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.

The Department of Communication and Culture will not accept courses completed through Independent Studies in fulfillment of Major or Minor requirements.

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

## 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:

1. be of junior standing or have completed at least 15 hours in the Department of Communication and Culture, and
2. have maintained an overall GPA of 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 the Honors Division of the university.

To graduate with honors in Communication and Culture, students who are accepted into the honors program must take:

1. C399 Reading for Honors (3 credits; 6 credits max.), and
2. 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

**C121 Public Speaking (3 cr.)** Theory and practice of public speaking; training in thought processes necessary to organize speech content; analysis of components of effective delivery and language. Credit not given for both S121 and C121. I Sem., II Sem., SS.

**C122 Interpersonal Communication (3 cr.) 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 San Francisco and Philadelphia, and issues such as gendered language, slang, verbal play, and institutional language.

**C130 Public Speaking, Honors (3 cr.)**  
For outstanding students, in place of C121.

**C190 Introduction to Media (3 cr.) 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.

**C201 Race and the Media (3 cr.) S & H, CSA** 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.

**C202 Media in the Global Context (3 cr.) S & H, CSA** 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.

**C203 Gender, Sexuality, and the Media (3 cr.) 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.

**C204 Topics in Media, Culture, and Society (3 cr.) 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.

**C205 Introduction to Communication and Culture (3 cr.) A & H** Critically examines communication as a cultural practice as it affects the beliefs, attitudes, values, and behaviors of individuals, groups, and publics.

**C223 Business and Professional Communication (3 cr.) S & H R:** C121. Examines organizational communication, with emphasis on skills acquisition. Developed skills include interviewing, group discussion, parliamentary procedure, and public speaking.

**C225 Discussion and Decision Making (3 cr.) S & H** Leadership, participation, and decision making in group settings, including committee, conference, public discussion, and social dimensions of group process. I Sem., II Sem.

**C228 Argumentation and Public Advocacy (3 cr.) A & H R:** C121 or C130. Reasoning, evidence, and argument in public discourse. Study of forms of argument. Practice in argumentative speaking.

**C229 Ways of Speaking (3 cr.) 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.

**C238 Communication in Black America (3 cr.) A & H, CSA** 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.

**C290 Hollywood I (3 cr.) 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.

**C292 Hollywood II (3 cr.) 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.

**C304 Communication and Social Conflict (3 cr.) A & H** Examination of sources and functions of symbolic influence in contemporary society. Emphasis upon developing rhetorical skills for critiquing social conflict.

**C305 Rhetorical Criticism (3 cr.) S & H R:** 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.

**C306 Writing Media Criticism (3 cr.) 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.

**C312 Introduction to Television Criticism (3 cr.) A & H** Study of the form, structure, and meanings of television programs. Historical development of genres and conventions examined in relation to issues of American culture. Credit not given for both T310 and R206.

**C313 Performance as Communicative Practice (3 cr.) 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.

**C314 Communication, Culture, and Social Formations (3 cr.) 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.

**C315 Advertising and Consumer Culture (3 cr.) 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.

**C321 Rhetoric, Law, and Culture (3 cr.) 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.

**C323 Speech Composition (3 cr.) 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.

**C324 Persuasion (3 cr.) 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.

**C326 Authorship in the Media (3 cr.) 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.

**C334 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.

**C335 Production as Criticism (3 cr.) 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.

**C336 Using Popular Culture (3 cr.) S & H** Critical exploration of the form, content, and uses of popular culture in everyday life.

**C337 New Media (3 cr.)** This course aims to help students develop a framework for understanding this dynamic area of social life in the late twentieth century. It compares the “computer revolution” to prior eras of technological change, such as the advent of telephony, radio, and television. It also inquires into the distinctive qualities of computer-mediated communication, focusing on interactions among technological, industrial, regulatory, social, and cultural forces. May be repeated with a different topic for a maximum of 6 credits.

**C339 Freedom of Speech (3 cr.) 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 movement, antiwar protest, obscenity, academic freedom, and symbolic speech. Credit not given for both S339 and C399.

**C340 The Rhetoric of Social Movements (3 cr.) 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.

**C342 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.

**C346 Ethnicity, Class, and the Model U.S. Citizen (3 cr.)** Considers how people’s identities influence the ideals and practice of citizenship. We will focus in particular on identities based on ethnicity and class. Students examine how ethnicity and class shape discourses of citizenship found in the media and in political and legal spheres.

**C360 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.

**C361 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.

**C380 Nonverbal Communication (3 cr.)**  
S & H Provides a conceptual and theoretical foundation for understanding how nonverbal

communication influences perceptions of others and the ways in which nonverbal communication reflects emotions, status, sex roles, etc. The course explores how nonverbal communication facilitates retention, comprehension, and persuasiveness of verbal information, including the ability to detect deceptive communication.

**C382 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 communications field related to student’s academic interests. Student must write a critical analysis paper and be evaluated by a workplace supervisor. May be repeated, but a maximum of 3 credit hours will apply toward the 30 credit hours required for the major. S/F grading.

**C392 Media Genres (3 cr.) 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 credits.

**C393-C394 History of European and American Films I-II (3-3 cr.) A & H, CSB**  
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.

**C398 National Cinemas (3 cr.) A & H**  
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.

**C399 Reading for Honors (3 cr., 6 cr. max.)**  
P: Junior standing and approval of departmental undergraduate studies committee. Readings directed by member of faculty.

**C401 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.

**C406 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.

**C407 Rhetoric and History (3 cr.)** P: Senior standing or consent of instructor. Survey of ancient through contemporary thought on the art of rhetoric; identification of leading trends in the history of rhetoric and the assessment of those trends in light of surrounding context.

**C410 Media Theory (3 cr.)** P: C190 or consent of instructor. Survey of writings, concepts, and movements in media theory.

**C411 Media Industries and Cultural Production (3 cr.)** 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.

**C412 Race, Gender, and Representation (3 cr.)** S & H, CSA 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.

**C413 Global Villages (3 cr.)** 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.

**C414 Topics in Performance and Culture (3 cr.)** 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.

**C415 Topics in Communication and Culture in Comparative Perspective (3 cr.)** 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.

**C417 Power and Violence: Political Systems in Ethnographic Perspective (3 cr.)** 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.

**C420 Topics in Media History (3 cr.)** 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.

**C422 Performance, Culture, and Power in the Middle East and North Africa (3 cr.)** S & H, CSA 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.

**C425 Culture, Identity, and the Rhetoric of Place (3 cr.)** 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.

**C427 Cross-Cultural Communication (3 cr.)** A survey study of national, cultural, and cross-cultural persuasion in theory and practice.

**C430 Native American Communication and Performance (3 cr.)** CSA Survey of communicative patterns in Native American cultures and their realization in performance, including oral performance (e.g., narrative, oratory), ceremonial (e.g., feastdays, powwow), and media (e.g., radio, film). We will also explore the use of performance forms as symbolic resources in literature, photography, and film.

**C432 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.

**C435 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.

**C444 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.

**C445 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.

**C446 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.

**C450 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.

**C460 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.

**C490 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, Web sites, 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.

**C497 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.

**C499 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

## Faculty

**Chairperson** Professor Oscar Kenshur

**College Professor** Douglas Hofstadter

**Distinguished Professors** Willis Barnstone (Emeritus, Spanish and Portuguese), Peter Bondanella (French and Italian, West European Studies), Bruce Cole (Emeritus, Fine Arts)

**Martha C. Kraft Professor of Humanities** Fedwa Malti-Douglas

**Chancellor's Professor** James Naremore (Emeritus, English, Communication and Culture), Anya Peterson Royce (Anthropology)

**Rudy Professor** Giancarlo Maiorino

**Professors** Peter Bondanella (French and Italian, West European Studies), David Hertz (American Studies), Roger Herzel (Theatre and Drama), Douglas Hofstadter (Cognitive Science, Computer Science), Sumie Jones (East Asian Languages and Culture), Eileen Julien (French and Italian, African American and African Diaspora Studies), Oscar Kenshur (English, Philosophy), Giancarlo Maiorino, Fedwa Malti-Douglas (Gender Studies), Bert Breon Mitchell (Director of Lilly Library, Germanic Studies), Anya Peterson Royce (Anthropology), Mihály Szegedy-Maszák (Central Eurasian Studies)

**Associate Professors** Bill Johnston (Second Language Studies, Polish Studies), Paul Losensky (Central Eurasian Studies, Near Eastern Languages and Cultures), Herbert Marks (English, Near Eastern Languages and Cultures, Religious Studies), Rosemarie McGerr (Medieval Studies), Angela Pao

**Assistant Professors** Akinwumi Adesokan, Vivian Nun Halloran, Miryan Segal (Jewish Studies)

**Adjunct Professors** Maryellen Bieder (Spanish and Portuguese), J. Peter Burkholder (Music), Henry Cooper (Slavic Languages and Cultures), Karen Hanson (Rudy Professor of Philosophy, Dean of Hutton Honors College), Dov-Ber Kerler (Germanic Studies, Jewish Studies), Eleanor W. Leach (Ruth N. Halls Professor of Classical Studies), Rosemary Lloyd (French and Italian), William Rasch (Germanic Studies), Jack Rollins (Hutton Honors College), Suzanne Stetkevych (Ruth N. Halls Professor of Near Eastern Languages and Cultures), H. Wayne Storey (French and Italian, Medieval Studies), Bronislava Volkova (Slavic Languages and Literatures), Marc Weiner (Germanic Studies)

**Adjunct Associate Professors** Purnima Bose (English), Fritz Breithaupt (Germanic Studies), Michel Chaouli (Germanic Studies), Deborah Cohn (Spanish and Portuguese), Juan Carlos

Conde (Spanish and Portuguese), Joan Hawkins (Communication and Culture), Barbara Klinger (Communication and Culture), Eric McPhail (French and Italian), Edith Sarra (East Asian Languages and Cultures), Rakesh Solomon (Theatre and Drama), Steve Weitzman (English, Jewish Studies)

**Adjunct Assistant Professors** Patrick Dove (Spanish and Portuguese), Rebecca Manring (India Studies, Religious Studies), Lin Zou

**Professors Emeriti** Salih Altoma (Near Eastern Languages and Cultures), Willis Barnstone (Spanish and Portuguese), Luis Beltrán (Spanish and Portuguese), Ernest Bernhardt-Kabisch (English), Peter Boerner (Germanic Studies), Matei Calinescu (English), Gilbert Chaitin (French and Italian), Claus Clüver, Bruce Cole (Fine Arts), Eugene Eoyang (East Asian Languages and Cultures), Harry Geduld, Kenneth R. R. Gros Louis (English), Ingeborg Hoesterey (Germanic Studies), Yoshio Iwamoto (East Asian Languages and Cultures), Gerald Larson (Religious Studies, India Studies), Merritt Lawlis (English), James Naremore (Communication and Culture), Henry Remak (Germanic Studies, West European Studies), Mary Ellen Solt, Ulrich Weisstein (Germanic Studies), Carl Ziegler (Germanic Studies)

**Director of Undergraduate Studies** Vivian Nun Halloran, Ballantine Hall 914, (812) 855-7070

## 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. Students learn about texts, themes, literary types, and intercultural relations as well as the methods and theories of comparative literary study. Courses also explore 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 among our wide course offerings.

## Major in Comparative Literature

### Requirements

1. General Methods and Theory C205 and C305.
2. One course each from two of the following groups
  - a. Genre C311, C313, C315, C318
  - b. Period C320, C321, C325, C329, C333, C335, C337
  - c. Comparative Arts C251, C252, C255, C256, C310, C355, C358
  - d. Cross-cultural Studies C262, C301, C360

3. One advanced course at the 300 level or above that includes the study of a foreign language literature in the original
4. Six additional courses (18 credits) in Comparative Literature, at least three of which must be at the 300 level or above. For students completing a single major in CMLT, up to two courses in other departments may be substituted in accordance with the guidelines established for the optional concentrations (Literature across Cultures, Literature in European Traditions, and Comparative Arts). Consult the Comparative Literature Handbook and the director of Undergraduate Studies for details. Students completing a double major must consult with advisors in each major regarding stipulations.) C145 and C146 may not be used to fulfill major requirements.

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

### Recommendations for All Majors

Especially recommended for complementary study are courses in English and foreign language literatures, African studies, African American and African Diaspora studies, Asian studies, folklore, history, history and theory of art, history and theory of music, linguistics, philosophy, religion, theatre and drama, and West European studies. 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.

### Minor in Comparative Literature

**Requirements** 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 two at the 300 level or above. (C146 may be used to fulfill requirements for the minor but not the major.)

### Comparative Arts Minor

#### Requirements

- Five comparative arts courses or approved cross-listed courses (minimum of 15 credit hours)
- At least two courses taken at the 300 level or above
- At least two courses taken in comparative literature

**Note:** Students who minor in comparative literature may not also minor in comparative arts. 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.

### Departmental Honors Program

Majors who have maintained a high level of academic achievement 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 or a graduate course may be substituted for one of the honors tutorials. Interested students may obtain detailed information from the Director of Undergraduate Studies.

### 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, Franklin Hall 303, (812) 855-9304.

### 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.

### Course Descriptions

#### *General, Methods, and Theory Courses*

**C100 Freshman Seminar (3 cr.) 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.

**C155 Culture and the Modern Experience: An Interdisciplinary and International Approach (3 cr.) A & H, CSA** 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.

**C200 Honors Seminar (3 cr.) 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.

**C205 Comparative Literary Analysis (3 cr.)**

**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.

**C305 Comparative Approaches to Literature: Theory and Method (3 cr.) A & H P: C205.**

Introduction to modern critical theory based on the study of literary texts and of critical and theoretical works.

**C400 Studies in Comparative Literature (3 cr.)**

**A & H P:** 6 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.

**C405 Senior Seminar in Comparative**

**Literature (3 cr., 6 cr. max.) A & H P:** At least one 300-level comparative literature course or consent of instructor. Selected topics treated in seminar fashion. Recommended for majors. May be repeated once with different topic.

*Genre Courses*

**C216 Science Fiction, Fantasy, and the**

**Western Tradition (3 cr.) 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.

**C217 Detective, Mystery, and Horror**

**Literature (3 cr.) 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.

**C219 Romance and the Western Tradition**

**(3 cr.) A & H** Origins, evolution, conventions, criticism, and theory of the romance, from antiquity to the present; representative texts from Apuleius to modern pulp fiction.

**C311 Drama (3 cr.) A & H P:** 6 credit hours of literature. R: C205 or ENG L202. 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.

**C313 Narrative (3 cr.) A & H P:** 6 credit hours of literature. R: C205 or ENG L202. Historical and analytical study of various forms of narrative literature. Discussion 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.

**C315 Lyric Poetry (3 cr.) A & H P:** 6 Credit

hours of literature. R: C205 or ENG L202. 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.

**C318 Satire (3 cr.) A & H P:** 6 credit hours

of literature. R: C205 or ENG L202. 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.

**C415 Medieval Lyric (3 cr.) A & H, CSA**

**P:** One course in medieval literature or consent of instructor. Medieval religious and secular lyric. Cultural contexts and formal concerns, such as the influence of medieval rhetorical theory and the continuation and transformation of classical poetic conventions.

**C417 Medieval Narrative (3 cr.) A & H, CSA**

**P:** One course in medieval literature or consent of instructor. Medieval literary theory (as it applies to narrative forms) and comparative analysis of works within their cultural contexts. Topics and works vary, but they may include the allegorical narrative, shorter narrative forms, the romance, fabliaux, saint's life, and pulpit literature.

*Period Courses*

**C320 World Literature before 1500 (3 cr.)**

**A & H** 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.

**C321 Medieval Literature (3 cr.) A & H,**

**CSA P:** 6 credit hours of literature. R: C205 or ENG L202. Secular directions in philosophy, scholarship, history, epic, romance, and lyric poetry within medieval Christian tradition. Rise of humanism during Dark Ages; its manifestation in Carolingian and twelfth-century renaissances.

**C325 The Renaissance (3 cr.) A & H,**

**CSA P:** 6 credit hours of literature. R: C205 or ENG L202. Prose fiction, long narrative poems, lyric poems, essays, tracts, and plays written between 1350 and 1650 in Italy, France, Spain, Germany, and England. Such authors as Petrarch, Boccaccio, Chaucer, Machiavelli, More, Castiglione, Rabelais, Montaigne, Shakespeare, Cervantes, and Hobbes.

**C329 The Eighteenth Century (3 cr.) A & H, CSB P:** 6 credit hours of literature. R: C205 or ENG L202. The dominant literary and intellectual trends of the century, such as neoclassicism, rococo, Enlightenment, and preromanticism. Authors such as Pope, Swift, Montesquieu, Richardson, Voltaire, Diderot, Kant, Rousseau, Lessing, and Sterne.

**C333 Romanticism (3 cr.) A & H, CSB P:** 6 credit hours of literature. R: C205 or ENG L202. The rise of romantic tendencies in eighteenth-century Europe; the romantic revolution in early nineteenth-century Western literature. Such authors as Goethe, Chateaubriand, Wordsworth, Byron, Novalis, Hoffmann, Hugo, Pushkin, and Poe.

**C335 Realism, Naturalism, and Symbolism (3 cr.) A & H, CSB P:** 6 credit hours of literature. R: C205 or ENG L202. 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. Such authors as Dickens, Flaubert, Tolstoy, Mallarmé, Ibsen, Hauptmann, Strindberg, Chekhov.

**C337 The Twentieth Century: Tradition and Change (3 cr.) A & H, CSB P:** 6 credit hours of literature. R: C205 or ENG L202. Such authors as Thomas Mann, Proust, Rilke, Pirandello, Joyce, Kafka, Pound, Eliot, Valéry, Lorca, Brecht, Faulkner, Borges, Beckett, and Robbe-Grillet. The search for new forms and a new language to express the twentieth-century writer's views of art and reality.

#### *Comparative Arts*

**C151 Introduction to Popular Culture (3 cr.) A & H, CSB** Explores the scope and methodologies for the serious study of entertainment for mass consumption, including popular theater 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.

**C251 Lyrics and Popular Song (3 cr.) A & H, CSB** 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.

**C252 Literary and Television Genres (3 cr.) 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.

**C255 Modern Literature and the Other Arts: An Introduction (3 cr.) A & H, CSB** Analyzes the materials of literature, painting, and music and the ways in which meaning is expressed through the organization of the materials. 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.

**C256 Literature and the Other Arts: 1870-1950 (3 cr.) A & H, CSB 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.

**C257 Asian Literature and the Other Arts (3 cr.) A & H, CSA** 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.

**C261 Introduction to African Literature (3 cr.) A & H, CSA** 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.

**C355 Literature, the Arts, and Their Interrelationship (3 cr.) A & H P:** C255 or consent of instructor. Discussion of theoretical foundations for study of the relationship of the arts; detailed analysis of specific works illustrating interaction of literature with other arts.

**C357 The Arts Today: From 1950 to the Present (3 cr.) A & H, CSB P:** C255. R: C256. Shared trends in literature, the visual arts, music, dance, and theatre. The heritage of the grotesque and the absurd, dada and surrealism, and constructivism; the new realism. New materials; mixed media and multimedia; environmental and participatory art; happenings; minimal art, conceptual art, antiart.

**C358 Literature and Music: Opera (3 cr.) A & H, CSB 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.

**C361 African Literature and Other Arts (3 cr.) A & H, CSA** Regional, national, or ethnic traditions, including oral and written poetry, theater, fiction, film, and popular culture. Focus varies: literature of Senegal and the

Mande; of Nigeria and Ghana; of Cameroon and the Congo; of East Africa and Southern Africa. May be repeated once with a different topic for a maximum of 6 credit hours.

#### *Cross-Cultural Studies*

**C262 Cross-Cultural Encounters (3 cr.) A & H, CSA** 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.

**C265 Introduction to East Asian Poetry (3 cr.) A & H, CSA** The major poetic modes in East Asian literature, with consistent concern for their historical development and occasional reference to Western traditions.

**C266 Introduction to East Asian Fiction (3 cr.) A & H, CSA** Readings in the major novels of the Far East, such as *Monkey*, *Water Margin*, *Dream of the Red Chamber*, and *The Tale of Genji*, along with studies of the short story, colloquial and literary, as it developed in East Asian literature.

**C301 Special Topics in Comparative Literature (3 cr.) A & H, CSA** 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.

**C340 Women in World Literature (3 cr.) A & H, CSA** Study of literature by women from different ages and societies. Consideration of such issues 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).

**C360 Diasporic Literatures (3 cr.) A & H, CSA** 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.

**C365 Japanese-Western Literary Relations (3 cr.) A & H, CSA** Japanese influences on Western poets and dramatists: color prints, haiku, and Noh plays. The Western impact on Japanese literature: the Japanese adaptation of such movements as romanticism, realism, naturalism, and symbolism, with special emphasis on the Japanese traits that these

movements acquired.

**C370 Arabic-Western Literary Relations (3 cr.) A & H, CSA** Emphasis on Greek influences on early Arabs and Arab influences on medieval Europe. Impact of modern European and American culture on Arabs.

**C375 Chinese-Western Literary Relations (3 cr.) A & H, CSA R:** 6 credit hours of literature. Familiarity with Chinese recommended but not required. An examination of historical contacts between China and the West; an analysis of translations from the Chinese into Western languages; an exploration of the influences of Chinese on Western literature; and a critique of the images of China and the Chinese in Western cultures. May be repeated once.

**C377 Topics in Yiddish Literature (3 cr.) A & H, CSA** 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. May be repeated with a different topic for a maximum of 6 credit hours. Credit given for either C300, C377, or GER Y300 per semester.

**C378 Topics in Yiddish Culture (3 cr.) A & H, CSA** Selected topics on history of Ashkenazic Jews; Old Yiddish and pre-modern 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. May be repeated with a different topic for a maximum of 6 credit hours. Credit given for either C350, C378, or GER Y350 per semester.

**C464 French Language Literature of Africa and the Americas (3 cr.) A & H, CSA** 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*

**C145 Major Characters in Literature (3 cr.) A & H, CSB** Comparative analysis of characters who reappear in literature from different periods and cultures. These include the quester, the lover, the artist, the trickster, the rebel, and the outsider. Readings come from diverse genres and national traditions. Fulfills half of College of Arts and Sciences composition requirement, if taken with ENG W143 (1 cr.). I Sem.

**C146 Major Themes in Literature (3 cr.) A & H, CSB** Comparative analysis of themes and motifs that reappear in literature from different periods and cultures. These include friendship, madness, self-sacrifice, the relationship of parents and children, the relationship of men

and women, and the relationship of individuals and society. Readings come from diverse genres and national traditions. Fulfills half of College of Arts and Sciences composition requirement, if taken with ENG W143 (1 cr.). II Sem.

**C147 Images of the Self: East and West (3 cr.) A & H, CSA** Such considerations as the individual in society, the outcast as hero, and the artistic sensibility examined in selected works of Western and Eastern literature from ancient to modern times.

**C347 Literature and Ideas (3 cr.) A & H, CSB** P: 6 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.

**C445 Traditions of Christian Literature I (3 cr.) A & H, CSA** P: 6 credit hours of literature or religious studies. Imaginative literature of the Christian culture from the second to the twelfth century; relationship to Jewish and classical cultural traditions; emergence of new genres; development of early medieval themes and forms and their transformation in the High Middle Ages.

**C446 Traditions of Christian Literature II (3 cr.) A & H, CSB** P: 6 credit hours of literature or religious studies. 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.

### *Film*

**C291 Studies in Non-Western Film (3 cr.) A & H, CSA** Study of adaptations of literary works, both Asian and Western, by Asian filmmakers. Discussion of traditions and conventions shared by original films with Asian literature and theatre. Concentration either on Japan, India, or China each time course is offered. May be repeated once with a different topic.

**C310 Film and Literature (3 cr.) A & H** 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.

**C490 Individual Studies in Film and Literature (1-3 cr.)** P: Consent of chairperson of film committee. May be repeated once with a different topic. I Sem., II Sem., SS.

**C492 Comedy in Film and Literature (3 cr.) 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*

**C495 Individual Readings in Comparative Literature (2-3 cr., 6 cr. max.)** P: Consent of chairperson. May be repeated for a total of 6 credit hours. I Sem., II Sem., SS.

**C496 Foreign Study in Comparative Literature (3-8 cr.)** P: Consent of chairperson. May not be repeated for credit.

**C499 Studies for Honors (2-6 cr.; 12 cr. max.)** P: Consent of departmental honors committee. Independent reading and research in conjunction with an advanced course in comparative literature or an honors paper or project. I Sem., II Sem. SS.

# Computer Science

## Faculty

**Chairperson** Professor Andrew J. Hanson

**Director of Undergraduate Education**  
Professor Andrew Lumsdaine

**College Professor** Douglas R. Hofstadter

**Oscar R. Ewing Professor** J. Michael Dunn

**Professors** Randall Bramley, R. Kent Dybvig, Geoffrey Fox, Daniel P. Friedman, Dennis Gannon, Steven D. Johnson, David Leake, Daniel Leivant, Michael McRobbie, Paul W. Purdom, Edward L. Robertson, Dirk Van Gucht, David S. Wise

**Professors Emeriti** Stan Hagstrom, Franklin Prosser, George Springer, David E. Winkel

**Associate Professors** Geoffrey Brown, Michael Gasser, Christopher Haynes, Filippo Menczer, Jonathan Mills, Beth Plale, Gregory J. E. Rawlins, Amr Sabry

**Assistant Professors** Kay Connelly, Florin Cutu, Minaxi Gupta, Raquel Hill, Catharine Wyss

**Academic Advising** Laura Hopkins,  
Lindley Hall 225, (812) 855-1502

## Introduction

The Department of Computer Science offers a B.A. degree and an undergraduate minor in Computer Science in the College of Arts and Sciences. Available in the School of Informatics are a B.S. degree and a professional master's program combining the B.S. and M.S. in five years of study, as well as an undergraduate minor in information technology. In addition, the department offers a spectrum of courses (labeled A) for students not majoring in computer science.

## Core Courses

The six core courses of the computer science undergraduate curriculum (labeled C) provide a solid general foundation in computer science. These are C211, C212, C241, C311, C335, and C343. Honors versions (labeled H) of each core course are available in selected semesters.

## Advanced Courses

Computer science courses numbered 300 level or higher and of at least 3 credit hours, excluding Y398 and A courses, are considered "advanced computer science courses."

Most of the department's courses at the 400 level and above are classified into four areas:

1. Foundations (middle digit 0 or 1)
2. Programming languages (middle digit 2)
3. Systems (middle digit 3 or 4)
4. Applications (middle digit 5, 6, 7, or 8)

A middle digit 9 indicates a general course. Courses with a major "programming-in-the-large" component are labeled P. Independent study courses are labeled Y. The remaining computer science major courses are labeled B.

Mathematics M471-M472 may be applied to the computer science major as 400-level "applications" courses. Mathematics M471-M472 may not be treated as "programming-in-the-large" courses.

## Mathematical Science Courses

The phrase "mathematical science courses" refers to Mathematics M212, M213, M301, M303, M311, M312, M343, M348, M365, M371, X384, M391, M405, or M409, or Philosophy P251 or P352.

## Major in Computer Science—B.A.

**Requirements** Students must complete the following:

1. Mathematics M211.
2. One foundations course and one mathematical science course, or two mathematical science courses.
3. All six computer science core courses: C211, C212, C241, C311, C335, and C343 or corresponding H versions.
4. Two additional advanced computer science courses, at least one of which must be at the 400 level and may not be an independent study (Y) course.

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

## Departmental Honors Program

The computer science honors program gives outstanding students the opportunity to pursue a challenging undergraduate program of advanced courses, independent study, and research leading to the B.A. or B.S. degree with honors in computer science.

Computer science majors with a minimum grade point average of 3.3 in computer science courses as well as a minimum overall grade point average of 3.3 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.

## B.A. in Computer Science with 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. Advanced computer science courses must include at least one of the following:
  - a. Y499, leading to an honors thesis.
  - b. A “programming-in-the-large” (P) course.
  - c. A graduate-level computer science course (500 level or above).

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

### Minor in Computer Science

**Requirements** Students must complete a minimum of 15 credit hours in the College of Arts and Sciences and/or the School of Informatics to include the following: C211, C212, C241, and either C335 or C343.

### Minor in Business

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), F300, L201, M300, P300, Z302 and CSCI C211 (computer science majors may substitute CSCI C211 for BUS K201 requirement).

### Major in Computer Science—B.S.

This degree program is in the School of Informatics. See advisor for details.

### Professional Master in Computer Science

This degree program is in the School of Informatics. See advisor for details.

### Minor in Information Technology

This minor is in the School of Informatics. See advisor for details.

### Course Descriptions

**A110 Introduction to Computers and Computing (3 cr.)** N & M P: One year of high school algebra or MATH M014. Basic principles of computers and software. Social and lifestyle effects of information technology. Emphasis on problem-solving techniques. Productivity software skills are taught using real-world projects. Lecture and laboratory. Credit given for only one of A106, A110, or A111.

**A111 A Survey of Computers and Computing (1.5 cr.)** P: one year of high school algebra or MATH M014, and some prior computing experience. Survey of computing concepts, with emphasis on problem-solving techniques. Experience in a variety of popular applications software for tasks such as word processing, Web browsing, spreadsheet calculations, and databases. Lecture and laboratory. Half semester. Credit given for only one of A106, A110, or A111.

**A112 Programming Concepts (1.5 cr.)** P: A110, A111, or equivalent computing experience. Introduction to programming for users of

computer systems. Emphasis on problem-solving techniques. Lecture and laboratory. Half semester.

**A113 Data Analysis Using Spreadsheets (1.5 cr.)** P: A110, A111, or equivalent.

An introduction to data analysis using spreadsheets, including both scientific and business applications. Elementary statistical concepts and their applications to data analysis. Emphasis on problem-solving techniques. Lecture and laboratory.

**A114 Introduction to Databases (1.5 cr.)**

P: CSCI A110, A111, or equivalent. Introduction to database design concepts. Entering and modifying data, accessing data using visual tools and SQL, building database applications using forms and application development tools. Emphasis on problem-solving techniques. Lecture and laboratory. Half semester.

**A115 Using the World Wide Web (1.5 cr.)**

P: A110, A111, or equivalent computing experience. Browsing (surfing) the Web, information retrieval, and information gathering. Web page authoring. Introduction to network terminology and social implications. Emphasis on problem-solving techniques. Lecture and laboratory. Half semester. Credit given for only one of A115 or A148.

**A190 Excursions into Computing (3 cr.)**

For non-science majors. This course exposes students to information technology in everyday life and work. Use of computers in everyday problem solving. Labs include hands-on experience with computer applications packages. No credit toward a major in computer science.

**A201 Introduction to Programming I (4 cr.)** N & M P: Two years of high school mathematics or MATH M014.

Fundamental programming constructs, including loops, arrays, classes, and files. General problem-solving techniques. Emphasis on modular programming, user-interface design, and developing good programming style. Not intended for computer science majors.

**A202 Introduction to Programming II (4 cr.)** N & M P: A201 or A304.

Advanced programming techniques; user-defined functions and types; recursion versus iteration; parameter-passing mechanisms. Classic abstract data types and algorithms. Programming style. Object-oriented programming. May be used in place of C212 to satisfy computer science major requirements.

**A216 Digital Multimedia Concepts and Technologies (3 cr.)** N&M P: A110, A111,

or equivalent computing experience. In-depth introduction to the technologies of digital hardware and software relevant to efficient multimedia communication methods. Lectures

focus on computational foundations, underlying concepts, and digital methods. Laboratory provides direct experience with concepts presented in lecture, using latest available digital tools to create direct and Web-based multimedia content. Lecture and laboratory.

### **A290 Adventures in Computing**

**(1-2 cr.)** Exploration for non-majors of topics in computing and computer science. Prerequisites, if any, vary by topic. Generally, a basic background in high school mathematics is sufficient. Lecture and laboratory format. No credit toward a major in computer science.

### **A304 Introductory C++ Programming (2 cr.)**

**P:** Programming experience. Topics include aspects of C++ that are not object-oriented, basic data structures, standard libraries, and UNIX tools for project management.

### **A306 Object-Oriented Programming in C++**

**(2 cr.) P:** A201, A304, A597, or C212. Topics include objects, classes, encapsulation, inheritance, polymorphism, templates, and exceptions.

### **A338 Network Technologies and**

**Administration (4 cr.) P:** A110, EDUC W200, or equivalent computer literacy. Introduction to network principles and current network technology, both hardware and software. Network administration tools and techniques. Laboratory provides practical experience.

### **A346 User-Interface Programming (3 cr.)**

**P:** A202, A306, A597, C212, or equivalent experience. Learn to prototype and build graphical user interfaces for computer applications. Contemporary software design methodology. Students design and implement prototype interfaces to applications provided by the instructor. Extensive use is made of both commercial and experimental software tools.

### **A348 Mastering the World Wide Web (3-4 cr.)**

**P:** Two semesters of programming experience, or equivalent, and some knowledge of operating systems. Project-oriented course leading to ability to maintain a fully functional Web site. Topics include Internet network protocols and Web programming, server administration, protocols, site design, and searching and indexing technologies.

### **C102 Great Ideas in Computing (3 cr.)**

**P:** None. Survey of great ideas in computing in the modern world. Explores how people use computing tools to realize their ideas. Emphasis on the impact of modern technology and the use of hardware and software to create solutions to everyday problems. Lecture and laboratory.

### **C211 Introduction to Computer Science (4 cr.)**

**N & M C:** MATH M118 or higher required; MATH M211 recommended. A first course in computer science for those intending

to take advanced computer science courses. Introduction to programming and to algorithm design and analysis. Using the SCHEME programming language, the course covers several programming paradigms. Credit given for only one of C211 or H211. Lecture and laboratory.

### **H211 Introduction to Computer Science,**

**Honors (4 cr.) N & M C:** MATH M118 or higher required; MATH M211 recommended. Honors version of C211. Credit given for only one of H211 or C211.

### **C212 Introduction to Software Systems**

**(4 cr.) N & M P:** C211 or H211. Design of computer software systems and introduction to programming in the environment of a contemporary operating system. Topics include a modern object-oriented programming language; building and maintaining large projects; and understanding the operating system interface. Lecture and laboratory.

### **H212 Introduction to Software Systems,**

**Honors (4 cr.) N & M P:** C211 or H211. Honors version of C212. Credit given for only one of H212 or C212.

### **C241 Discrete Structures for Computer**

**Science (3 cr.) N & M P:** C211, and MATH M118 or higher (MATH M211 recommended). Induction and recursive programs, running time, asymptotic notations, combinatorics and discrete probability, trees and lists, the relational data model, graph algorithms, propositional and predicate logic.

### **H241 Discrete Structures for Computer**

**Science, Honors (3 cr.) N & M P:** H211 or C211. Honors version of C241. Credit given for only one of H241 or C241.

### **C311 Programming Languages (4 cr.)**

**N & M P:** C335 or H335. **P or C:** C343 or H343. Systematic approach to programming languages. Relationships among languages, properties and features of languages, and the computer environment necessary to use languages. Lecture and laboratory.

### **H311 Programming Languages, Honors (4 cr.)**

**N & M P:** H335. **P or C:** H343. Honors version of C311. Credit given for only one of H311 or C311.

### **C335 Computer Structures (4 cr.) N & M**

**P:** C212 or H212. **P or C:** C241 or H241. Structure and internal operation of computers. The architecture and assembly language programming of a specific computer are stressed, in addition to general principles of hardware organization and low-level software systems. Lecture and laboratory.

### **H335 Computer Structures, Honors (4 cr.)**

**N & M P:** C212 or H212. **P or C:** H241. Honors version of C335. Credit given for only one of H335 or C335.

**C343 Data Structures (4 cr.)** N & M P: C212 or H212. P or C: C241 or H241. R: C335 or H335. Systematic study of data structures encountered in computing problems, structure and use of storage media, methods of representing structured data, and techniques for operating on data structures. Lecture and laboratory.

**H343 Data Structures, Honors (4 cr.)** N & M P: H212 or C212. P or C: H241. R: H335. Honors version of C343. Credit given for only one of H343 or C343.

**B351 Introduction to Artificial Intelligence and Computer Simulation (3 cr.)** N & M (COGS Q351) P: C211 or COGS Q350. 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, vision, heuristics, production systems, speech perception, and natural language understanding. Credit given for only one of B351 or COGS Q351.

**Y390 Undergraduate Independent Study (1-3 cr.)** P: Instructor's permission. Independent research based on existing literature or original work. A report, in the style of a departmental technical report, is required. May be repeated but credit not given for more than 6 credit hours of any combination of Y390, Y391, Y398, Y499, C390, and C391.

**Y391 Undergraduate Independent System Development (1-3 cr.)** P: Instructor's permission. The student designs, programs, verifies, and documents a project assignment. Prior to enrolling, the student must arrange for an instructor to supervise the course activity. May be repeated but credit not given for more than 6 credit hours of any combination of Y390, Y391, Y398, Y499, C390, and C391.

**Y398 Internship in Professional Practice (3-6 cr.)** P: Sophomore standing and approval of the department. Students receive credit for selected career-related, full-time work. Evaluation by employer and faculty member. Does not count toward distribution requirements. Total credit cannot exceed 6 hours for any combination of computer science courses Y390, Y391, Y398, Y399, C390, and C391.

**Y399 Project in Professional Practice (3-6 cr.)** P: Two of C311, C335, C343, or honors versions; and approval of the department. The student designs, programs, verifies, and documents a project assignment selected in consultation with an employer and the department. Total credit cannot exceed 6 hours for any combination of computer science courses Y390, Y391, Y398, Y399, C390, and C391.

**B401 Fundamentals of Computing Theory (3 cr.)** N & M P: C241. P or C: C212. Fundamentals of formal language theory, computation models and computability, the limits of computability and feasibility, and program verification.

**B403 Introduction to Algorithm Design and Analysis (3 cr.)** N & M P: C241 and C343, or honors equivalents, and MATH M216 or M212. Algorithm design methodology. General methods for analysis of algorithms. Analysis of the performance of specific algorithms, such as those for searching and sorting.

**P415 Introduction to Verification (3 cr.)** N & M P: C311. Tools and techniques for rigorous reasoning about software and digital hardware. Safety, reliability, security, and other design-critical applications. Decision algorithms. Projects involving the use of automated reasoning, such as model checkers, theorem provers, and program transformation.

**P423 Compilers (4 cr.)** N & M P: C311 or H311. Compiler design and construction, including lexical analysis, parsing, code generation, and optimization. Extensive laboratory exercises.

**P436 Introduction to Operating Systems (4 cr.)** N & M P: C311, C335, C343, or honors equivalents. Organization and construction of computer systems that manage computational resources. Topics include specification and implementation of concurrency, process scheduling, storage management, device handlers, mechanisms for event coordination. Lecture and laboratory.

**P438 Introduction to Computer Networks (4 cr.)** Foundations of computer networks. Networking hardware technology such as Ethernet, ATM, wireless. Networking protocols (TCP/IP), routing, error correcting. Network services such as DNS, Web servers, virtual private networks (VPN), open SSL. Introduction to performance analysis of Web traffic patterns.

**B441 Digital Design (4 cr.)** N & M P: C335 or H335. Organization and logic design of digital systems. Course presents a structured design philosophy, emphasizing hardware and microprogrammed control. Boolean algebra, hardware building blocks, circuit synthesis, microprogramming. In the laboratory, students build, study, and debug a working minicomputer from elementary hardware components. Lecture and laboratory.

**P442 Digital Systems (4 cr.)** N & M P: B441. Elements of computer architecture construction of hardware systems, emphasizing a combination of components to form systems, and applications of general principles of computing to digital implementation. Lecture and laboratory.



**B443 Introduction to Computer Architecture (3 cr.) N & M P:** C335 and C343, or honors versions. P or C: C311 or H311. Principles of processors, control units, and storage systems. Registers, buses, microprogramming, virtual storage. Relationship between computer architecture and system software.

**B461 Database Concepts (3 cr.) N & M P:** C241, C335, C343, or honors versions. Introduction to database models and systems: hierarchical, network, relational, and object-oriented; database design principles; structures for efficient data access; query languages and processing; database applications development; views; security; concurrency; recovery. Students participate in a project to design, implement, and query a database, using a standard database system. Credit given for only one of B461 or B561.

**P465-P466 Software Engineering for Information Systems I-II (3-3 cr.) N & M P:** C335 and C343, or honors versions. P or C: B461. Analysis, design, and implementation of information systems. Project specification. Data modeling. Software design methodologies. Software quality assurance. Supervised team development of a real system for a real client.

**B481 Interactive Graphics (4 cr.) N & M P:** C343 or H343, MATH M301 or M303. Computer graphics techniques. Introduction to graphics hardware and software. Two-dimensional graphics methods, transformations, and interactive methods. Three-dimensional graphics, transformations, viewing geometry, object modeling, and interactive manipulation methods. Basic lighting and shading. Video and animation methods. Credit given for only one of B481 or B581.

**B490 Seminar in Computer Science (1-3 cr.)** Special topics in computer science. May be repeated up to a total of 6 credit hours.

**Y499 Honors Research (1-12 cr.) P:** Approval of departmental honors committee. Credit not given for more than 6 credit hours of any combination of Y390, Y391, Y398, Y499, C390, and C391. I Sem., II Sem., SS.

# Criminal Justice

## Faculty

**Chairperson** Marla Sandys

**Professors** Ellen Dwyer, Harold Pepinsky, Leon Pettiway, Roger Levesque

**Associate Professors** Steven Chermak, Stephanie Kane, Mary Lee Luskin, William Oliver, Philip Parnell, William Alex Videmore, Steve Russell, Kip Schlegel, Arvind Verma

**Assistant Professors** Veronica Herrera, Richard Spano, Jody Sundt

**Senior Lecturer** William Head

**Academic Advising** Tara Wargel, Sycamore Hall 336, (812) 855-9662

## 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, history, political science, anthropology, sociology, geography, and psychology. The degree is designed for students interested in studying justice-related issues, including law.

## Major in Criminal Justice

**Requirements** Students must complete the following:

1. At least 27 credit hours in criminal justice, including P100, P200, P202, P290, and K300 (or a substitute approved by the department; see undergraduate advisor).
2. Two 400-level courses in criminal justice, and two electives. The electives must be at the 300- or 400-level. Only one of the electives may be taken from the list of Approved Optional Courses; the remaining elective must be in criminal justice.

Majors may substitute a course in statistical methods from another department of the College of Arts and Sciences, but in that case no courses from the list of Approved Optional Courses may count toward the major.

Students must complete the degree requirements of the College of Arts and Sciences including the requirement for a minimum of 25 College of Arts and Sciences credit hours in the major subject area.

## Minor in Criminal Justice

### Requirements

1. P100, P200, and P202.
2. Two courses in criminal justice at the 300-400 level to be taken on the Bloomington campus.
3. At least 9 credit hours of the above courses must be taken in residence on the Bloomington campus.

### Approved Optional Courses

Note that courses taken in the School of Journalism or the School of Public and Environmental Affairs will be outside credit hours for College of Arts and Sciences students.

#### African American and African Diaspora Studies

A382 Black Community, Law, and Social Change (3 cr.) **S & H**

#### Anthropology

E405 Principles of Social Organization (3 cr.)

#### Economics

E308 Survey of Public Finance (3 cr.) **S & H**

#### History

A325-A326 American Constitutional History (3-3 cr.) **S & H**

#### Philosophy

P250-P251 Symbolic Logic I-II (3-3 cr.) **N & M**

P352 Logic and Philosophy (3 cr.) **A & H**

P342 Problems in Ethics (3 cr.) **A & H**

P345 Problems in Social and Political Philosophy (3 cr.) **A & H**

#### Political Science

Y302 Public Bureaucracy in Modern Society (3 cr.) **S & H**

Y303 Formation of Public Policy in the U.S. (3 cr.) **S & H**

Y304 Constitutional Law (3 cr.) **S & H**

Y305 Constitutional Rights and Liberties (3 cr.) **S & H**

Y308 Urban Politics (3 cr.) **S & H**

Y311 Democracy and National Security (3 cr.) **S & H**

#### Psychological and Brain Sciences

P319 Psychology of Personality (3 cr.) **S & H**

P320 Social Psychology (3 cr.) **S & H**

P324 Abnormal Psychology (3 cr.) **S & H**

P434 Community Psychology (3 cr.)

P460 Women: A Psychological Perspective (3 cr.) **S & H**

#### Religious Studies

R336 Religion in Modern America (3 cr.) **A & H**

#### Sociology

S210 The Economy, Organizations, and Work (3 cr.) **S & H**

S316 The Family (3 cr.) **S & H**

S320 Deviant Behavior and Social Control (3 cr.) **S & H**

S326 Law and Society (3 cr.) **S & H**

S335 Race and Ethnic Relations (3 cr.) **S & H**

#### School of Journalism

J300 Communications Law (3 cr.)

J410 The Media as Social Institutions (3 cr.)

#### School of Public and Environmental Affairs

V373 Human Resources Management in the Public Sector (3 cr.)

V376 Law and Public Policy (3 cr.)

V432 Labor Relations in the Public Sector (3 cr.)

## Area Certificate in Criminal Justice

**Requirements** The certificate may be awarded to students who complete bachelor's degrees in other schools as well as departmental requirements for a major in criminal justice.

### 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, P202, P290, and K300, and who have a grade point average of 3.3 or higher, 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 3.500 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

#### P100 Introduction to Criminal Justice (3 cr.)

**S & H P:** Freshman or sophomore standing. 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. I Sem., II Sem.

#### P150 Introductory Topics in Criminal Justice

**(3 cr.) S & H** Introduction to a specific topic related to crime and justice. 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. Credit will not count toward requirements of the major or minor.

**P200 Theories of Crime and Deviance (3 cr.)**

**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. I Sem., II Sem.

**P202 Alternative Social Control Systems (3 cr.)**

**S & H** Structure and operation of institutions, such as family, religion, education, and mass media, that create norms and socialize individuals. Interaction of these with one another and with the criminal justice system. I Sem., II Sem.

**P250 Issues in Criminal Justice (3 cr.) 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.

**P281 Internship Transfer Hours in Criminal Justice (1-3 cr.)** This course is 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 will not count toward requirements of the major or the minor. Students may complete no more than a maximum of 6 credit hours for any combination of P281 and P481.

**P290 The Nature of Inquiry (3 cr.)**

Introduction to research methodology, nature of scientific inquiry, research design, basic research methods, and presentation of research findings. I Sem., II Sem., SS.

**K300 Techniques of Data Analysis (3 cr.) N & M**

P: MATH M014 or equivalent. R: 3 credit hour mathematics course approved for College of Arts and Sciences mathematics requirement. K300 is the second half of a research methods-data analysis sequence. It 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 the following: K300, SOC S371, ECON E370 or S370, MATH/PSY K300 or K310, or SPEA K300.

**P300 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.

**P301 Police and Contemporary Society**

**(3 cr.) 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.

**P302 Courts and Criminal Justice (3 cr.) S & H**

Structure, organization, composition, functions, and procedures of courts in the United States. Role of lawyers and judges in the criminal justice process.

**P303 Corrections and Criminal Justice (3 cr.)**

**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.

**P304 Probation and Parole (3 cr.)**

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.

**P305 Deviant Images/Deviant Acts (3 cr.)**

**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.

**P306 Drugs and Society (3 cr.) 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.

**P320 Foundations of Criminal Investigation**

**(3 cr.)** 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.

**P330 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.

**P340 Law and Society: The Cross-Cultural**

**Perspective (3 cr.) 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.

**P360 Psychology and the Law (3 cr.) 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.

**P370 Legal Aspects of Criminal Justice Systems I (3 cr.)** P: P100 or consent of instructor. 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. I Sem.

**P371 Legal Aspects of Criminal Justice Systems II (3 cr.)** P: P100 or consent of instructor. Fundamental legal problems of criminal justice system processes. Emphasis on pretrial and trial phases of American system procedures. II Sem.

**P375 American Juvenile Justice System (3 cr.)** 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. I Sem.

**P380 Dispute Management (3 cr.)** 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.

**P381 History of Social Control in the United States (3 cr.)** 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.

**P399 Reading for Honors (6 cr. max.)** P: Approval of departmental honors advisor. May be repeated once for a maximum of 6 credit hours. II Sem.

**P411 Criminal Justice Management (3 cr.)** 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.

**P412 Sex, Drugs, AIDS, and Criminal Law (3 cr.)** 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.

**P413 Police-Community Relations (3 cr.)** 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.

**P414 Adolescents and the Law (3 cr.)** S & H 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.

**P415 Crime and Madness (3 cr.)** 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.

**P416 Capital Punishment (3 cr.)** Consideration of issues raised by the use of the death penalty in the United States. Emphasis on critical thinking and open dialogue.

**P417 Urban Crime Patterns (3 cr.)** 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.

**P418 Street Crime (3 cr.)** Examination of a variety of street crimes. Consideration of acts so labeled, their incidence, participants, context, and manner of commission.

**P419 Race, Class, and Crime (3 cr.)** S & H 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.

**P420 Violence in the Black Community (3 cr.)** S & H 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.

**P421 Crime Prevention: Theory and Practice (3 cr.)** Analysis of criminal behavior and victimization from the perspective of environmental criminology. Examination of situational techniques that may be applied for their prevention.

**P422 Crime in the Mass Media (3 cr.)** S & H Examination of the role of the media generally and in the criminal justice system in particular. Consideration of the construction of media

images, images of crime and criminal justice in various mediums, and the ways in which the media affect beliefs about crime and criminal justice.

**P423 Sexuality and the Law (3 cr.) 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.

**P425 Women and the Criminal Justice System (3 cr.) P:** P290, K300. The extent of participation and the role of women in all aspects of the criminal justice system are examined.

Topics covered include women as defendants, offenders, prisoners, prostitutes, and victims (rape and domestic violence), and women as professionals in the system—law enforcement officers, lawyers, judges, and correction and parole officers. Readings are drawn from a variety of disciplines and sources, and professionals from criminal justice agencies may participate in relevant class discussions.

**P426 Juvenile Delinquency (3 cr.)** 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?”

**P427 Girls, Violence, and Antisocial Behavior (3 cr.)** Investigates the causes and consequences of girls’ involvement in antisocial behavior, in particular violent offenses, and potential intervention and treatment.

**P430 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.

**P435 Minorities, Crime, and Social Policy (3 cr.) S & H**

Examines reasons for the overrepresentation of historically disadvantaged U.S. racial and ethnic minorities in the criminal justice system. Provides flexible forum for the discussion of these subgroups as processed from pre-arrest through death row: e.g., law enforcement, courts, corrections, parole, and theoretical attempts to explain the phenomenon.

**P437 American Indian Justice Policy (3 cr.)**

Contemporary issues of United States policy toward American Indian nations viewed in historical context and through the lens of United States law including, but not limited to, American Indian citizenship, gaming, burial protection, religious freedom, and the status of

individual American Indians within the criminal justice system.

**P439 Seminar in Corrections (3 cr.) P:** P290, K300. Seminar on selected topics in corrections, correctional theory, or pertinent current issues.

**P444 Victimization (3 cr.) 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.

**P450 Pleas, Trials, and Sentences (3 cr.)**

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.

**P457 Seminar on White-Collar Crime (3 cr.)**

**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.

**P460 Public Control of Deviant Behavior (3 cr.) P:** P290, K300 or PSY P324, or consent of instructor. Description and etiology of selected deviant behavior patterns of a criminal or quasi-criminal nature. I Sem.

**P461 Lethality: Homicide and Self-Destruction (3 cr.)** 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.

**P462 Child Abuse and Neglect (3 cr.) S & H**

**P:** P200 and senior standing, or consent of instructor. Cultural, societal, and personal components that lead to child abuse. Approaches to treatment within a typology of abusers.

**P471 Comparative Study of Criminal Justice Systems (3 cr.) S & H P:** P290, K300.

Comparison of the American criminal justice system with those of other federated nations and of selected unitary states.

**P481 Field Experience in Criminal Justice (3 or 6 cr.) P:** Junior standing, completion of core requirements, and approval of project.

Field experience with directed readings and writing. Credit will not count toward requirements of the major or the minor.

Students may complete no more than a maximum of 6 credit hours for any combination of P281 and P481.

**P482 The Family and Formal Control Systems in America (3 cr.) 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.

**P493 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.

**P495 Individual Readings and Projects (1-6 cr.)**  
P: P290, K300 and consent of chairperson. Individual study project under guidance of faculty member or committee. Credit will not count towards 400-level requirements of the major. May be repeated once for a maximum of 6 credit hours. I Sem., II Sem., SS.

**P499 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. I Sem., II Sem.

## East Asian Languages and Cultures

### Faculty

**Chairperson** Robert Eno

**Professors** Sumie Jones, Gregory Kasza, Michael Robinson, Richard Rubinger, Natsuko Tsujimura, Robert Campany (Religious Studies), Roger L. Janelli (Folklore and Ethnomusicology), Jean Robinson (Political Science), Lynn Struve (History)

**Associate Professors** Stephen Bokenkamp, Thomas Keirstead, Hyo-Sang Lee, Jennifer Liu, Edith Sarra, Yasuko Ito Watt, Laurel Cornell (Gender Studies, Sociology), Charles Greer (Geography)

**Assistant Professors** Sara Friedman (Anthropology, Gender Studies), Ho-Fung Hung (Sociology), Scott Kennedy, Scott O'Bryan, Gardner Bovingdon (Central Eurasian Studies), Ethan Michelson (Sociology), Aaron Stalnaker (Religious Studies), Marvin Sterling (Anthropology), Michiko Suzuki, Lin Zou

**Senior Lecturer** Sue Tuohy (Folklore and Ethnomusicology)

**Lecturer** Zhen Chen

**East Asian Librarian** Wen-ling Diana Liu

**Academic Advising** Goodbody Hall 202, (812) 855-3493

### Introduction

The Department of East Asian Languages and Cultures (EALC) is a multi-disciplinary and multi-cultural 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. All majors are required to contact their faculty advisors at least once a semester. There is a language minor in Japanese, Chinese, or Korean, and a minor in East Asian studies, which 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.

## Major in Language and Culture

**Purpose** The major in language and culture emphasizes language training through the third-year level in one of the East Asian languages (Chinese, Japanese, or Korean). In addition to language study, EALC majors take courses on the society's culture, including in-depth study in one of three subject areas, according to the student's primary interest: Literature and Linguistics; Thought, Religion, and Art; or History and Society. (It is also possible to design an individualized subject area in accordance with a student's special interests or goals, depending on course availability, in consultation with the departmental advisor.) 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 25 credit hours in department-approved courses, including:

1. Three years of Chinese, Japanese, or Korean language (or the equivalent). The first semester of a first-year language course (i.e., C101, J101, K101) is not credited towards the major.
2. At least three culture courses (9 credit hours) above the 100 level. Two of these must be at the 300-400 level, chosen from the same subject area. The subjects areas are: Literature and Linguistics; Thought, Religion, and Art; or History and Society. Preferably, these two courses will be on the same East Asian society as the student's language course work. Though it does not count toward the subject area requirement, one semester of fourth-year language may be counted as the third required culture course. For courses by subject area, see the list below.

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 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.

**Requirements** A minimum of 25 credit hours in department-approved courses, including:

1. Two years of Chinese, Japanese, or Korean (or the equivalent). The first semester of a first-year language course (i.e., C101, J101, or K101) is not credited towards the major.
2. At least five culture courses (15 credit hours) above the 100 level, including course work on at least two culture areas (China, Japan, Korea). Three of the culture courses must be at the 300-400 level, selected from among the subject areas listed below.

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.

**Requirements** 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

Students may minor in Chinese, Japanese, or Korean language. A minimum of 15 credit hours in the chosen language is required, including the completion of the third year. At least 6 credit hours must be completed in this department; the remaining credit hours may be earned either by taking course work or by meeting the requirements for special credit. Culture courses may not count toward the language minor.

## Minor in East Asian Studies

Students must complete 15 credit hours from courses taught in the department or cross-listed under East Asian Studies (below), excluding language courses and courses at the 100 level. At least 6 credit hours taken toward the minor must be at the 300 level or above.

## Program for Teacher Certification

A program for secondary teacher certification in modern East Asian languages 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, (812) 856-8510.

## Policy on Academic Advising

Students are encouraged to maintain close contact with the departmental academic advisor in planning their courses. Faculty mentoring is available in the department; students are strongly encouraged to choose a mentor (in consultation with the academic advisor).

## 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.

## Policy on Special Credit

Students may earn special credit (maximum of 16 credits) in EALC languages if they place into one of our language courses and meet all the following criteria.

1. Language competence must be based upon academic work at an accredited American high school.
2. Language competence must be validated by a proficiency examination administered by EALC.
3. Students must successfully complete a language course at the placement level with a grade of C or higher.

When a student has fulfilled all three criteria, the student must complete an application for credit in the department office; credit is not given automatically. This credit applies both to graduation credit and toward majors and minors. The first semester of first-year language does not count toward the major. Native or near-native language users are not eligible for special credit.

## Departmental Honors Program

To apply for departmental honors, a student must first complete 15 credit hours in one of our majors. As a rule, the student must have and maintain a grade point average of at least 3.5 in the major and 3.3 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).

### 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, Franklin Hall 303, (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 contact the departmental office 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*

#### **C101 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.



**C102 Elementary Chinese II (4 cr.)** P: Grade of C or higher in C101, or equivalent proficiency. Continuation of C101. II Sem.

**C103 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.

**C104 Advanced Elementary Chinese II (4 cr.)** P: Grade of C or higher in C103, or equivalent proficiency. Continuation of C103. II Sem.

**C201 Second-Year Chinese I (4 cr.)** P: Grade of C or higher in C102, 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.

**C202 Second-Year Chinese II (4 cr.)** P: Grade of C or higher in C201, or equivalent proficiency. Continuation of C201. II Sem.

**C301 Third-Year Chinese (3 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.

**C302 Third-Year Chinese II (3 cr.)** P: Grade of C or higher in C301, or equivalent proficiency. Continuation of C301. II Sem.

**C306-C307 Literary Chinese I-II (3-3 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 arts. This course does not satisfy the College of Arts and Sciences foreign language requirement.

**C311 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.

**C312 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.

**C320 Business Chinese (2-3 cr.; max. 4 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.

**C330 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.

**C401 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.

**C402 Fourth-Year Chinese II (3 cr.)** P: Grade of C or higher in C401, or equivalent proficiency. Continuation of C401. II Sem.

**C425 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.

**C431 Readings in Modern Chinese Literature (3 cr.) A & H** P: Grade of C or higher in C402, or consent of instructor. Selected readings in modern Chinese plays, stories, and essays.

**C450 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.

**C451 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.

**C452 Advanced Classical Chinese II (3 cr.)** P: Grade of C or higher in C451, or consent of instructor. Continuation of C451.

*Japanese Language and Literature***J101 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.

**J102 Elementary Japanese II (4 cr.)** P: Grade of C or higher in J101, or equivalent proficiency. Continuation of J101. II Sem.

**J201 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.

**J202 Second-Year Japanese II (4 cr.)** P: Grade of C or higher in J201, or equivalent proficiency. Continuation of J201. II Sem.

**J301 Third-Year Japanese I (3 cr.)** P: Grade of C or higher in J202, or equivalent proficiency. Primary emphasis on reading skills. Conversation stressed in drill sections. I Sem.

**J302 Third-Year Japanese II (3 cr.)** P: Grade of C or higher in J301, or equivalent proficiency. Continuation of J301. II Sem.

**J311 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.

**J312 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.

**J401 Fourth-Year Japanese I (3 cr.)** P: Grade of C or higher in J302, or equivalent proficiency. Emphasis on advanced reading skills. I Sem.

**J402 Fourth-Year Japanese II (3 cr.)** P: Grade of C or higher in J401, or equivalent proficiency. Continuation of J401. II Sem.

**J421 Introduction to Japanese Linguistics (3 cr.)** 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.

**J425 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.

**J431 Readings in Modern Japanese Literature (3 cr.)** A & H P: Grade of C or higher in J402, or equivalent proficiency. Selected reading in modern Japanese plays, novels, and essays.

**J441 Readings in Japanese Scholarly Materials (3 cr.)** 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.

**J451 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.

**J461-J462 Literary Japanese I-II (3-3 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.

**J491 Humanities Topics in Japanese (3 cr.)** A & H, CSA 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.

**J492 Historical and Cultural Topics in Japanese (3 cr.)** S & H, CSA 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*

**K101 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.

**K102 Elementary Korean II (4 cr.)** P: Grade of C or higher in K101, or equivalent proficiency. Continuation of K101. II Sem.

**K201 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.

**K202 Second-Year Korean II (4 cr.)** P: Grade of C or higher in K201, or equivalent proficiency. Continuation of K201. II Sem.

**K301 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.

**K302 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.

**K401 Fourth-Year Korean I (3 cr.)** P: Grade of C or higher in EALC K302, or equivalent proficiency. Emphasis on advanced reading skills, featuring authentic writings such as newspaper editorials, essays, movie scenarios, and TV news.

**K402 Fourth-Year Korean II (3 cr.)** P: Grade of C or higher in EALC K401, or equivalent proficiency. Continuation of K401, completing the fourth year of Korean language study.

**K431 Readings in Modern Korean Literature I (3 cr.)** A & H P: Grade of C or higher in K402, or equivalent proficiency. Selected readings from modern Korean literature, excluding Sino-Korean literature. Emphasis on contemporary prose and poetry exemplifying the development of Korean national literature.

**K432 Readings in Modern Korean Literature II (3 cr.)** A & H P: Grade of C or higher in K402, or equivalent proficiency. Selected readings from modern Korean literature, excluding Sino-Korean literature. Focus on literature of the colonial era (1910-1945).

#### *East Asian Culture*

Many of the culture courses offered by the department require no knowledge of Chinese or Japanese. These courses are open to all students of the university regardless of their major and without prerequisites. Some of these courses satisfy the culture studies requirement and distribution requirement.

**E100 East Asia: An Introduction (3 cr.)** A & H, CSA 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.

**E101 The World and East Asia (3 cr.)** S & H, CSA Explorations of interactions between East Asia and other regions of the world. Depending on instructor, focus may be on Asian-American experiences, East Asia in world history, mutual perceptions in literary or media images, or political, social, and economic relations in modern times. May be repeated once with a different topic for a maximum of 6 credit hours.

**E110 Popular Culture in East Asia (3 cr.)** A & H, CSA 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.

**E160 The Daoist Body (3 cr.)** A & H, CSA, TFR 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.

**E180 Cross-Cultural Experiences of War: East Asia and the United States (3 cr.)** S & H, CSA, TFR 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.

**E201 Issues in East Asian Literature (3 cr.)** A & H, CSA 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.

**E202 Issues in East Asian Traditions and Ideas (3 cr.)** A & H, CSA 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.

**E203 Issues in East Asian Cultural History (3 cr.)** S & H, CSA 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.

**E204 Issues in East Asian Society (3 cr.) S & H, CSA** 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.

**E231 Japan: The Living Tradition (3 cr.) A & H, CSA** An introduction into the patterns of Japanese culture: society, history, visual arts, literary masterpieces, performing arts, and living religious traditions.

**E232 China: The Enduring Heritage (3 cr.) A & H, CSA** Chinese culture and its modern transformations. Intellectual, artistic, and literary legacies of the Chinese people.

**E233 Survey of Korean Civilization (3 cr.) A & H, CSA** 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.

**E251 Traditional East Asian Civilizations (3 cr.) S & H, CSA** 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 E251 or HIST H237.

**E252 Modern East Asian Civilization (3 cr.) S & H, CSA** 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 E252 or HIST H207.

**E270 Japanese Language and Society (3 cr.) A & H, CSA** 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.

**E271 Twentieth-Century Japanese Culture (3 cr.) A & H, CSA** Cultural modes in twentieth-century Japan: traditional arts (e.g., tea ceremony, flower arrangement, puppet plays, haiku poetry) and modern arts (e.g., Western-inspired theater, existential fiction, cinema).

**E300 Studies in East Asian Literature (3 cr.) A & H, CSA** Selected issues and problems of importance to the understanding of East Asian literature or linguistics. May be repeated with a different topic for a maximum of 6 credit hours.

**E301 Chinese Language and Culture (3 cr.) A & H, CSA** 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.

**E302 Geographic Patterns in China (3 cr.) S & H, CSA** P: Junior status or one of the following: E100, E251, E256, or GEOG G110. 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.

**E303 Korean Folk and Elite Cultures (3 cr.) A & H, CSA** Introduction to Korean culture and society from earliest times to the present, including oral and written literature, religion, social customs, and performing arts.

**E305 Korean Language and Culture (3 cr.) S & H, CSA** A survey of cultural, conceptual, and philosophical patterns, and the structure of Korean society, as reflected by the Korean language.

**E316 Computer Enhanced Language Learning (3 cr.)** 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.

**E321 Traditional Japanese Literature (3 cr.) A & H, CSA** Introduction to major works of Japanese literature from its golden age to the early modern period. Studying English translations, students pay special attention to issues of gender, narration, and the connections between literature and the political, cultural, and religious discourses that were part of the texts' originating context.

**E322 Modern Japanese Literature (3 cr.) A & H, CSA** 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.

**E331 Traditional Chinese Literature (3 cr.)**

**A & H, CSA** 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.

**E332 Chinese Literature since 1300 (3 cr.)**

**A & H, CSA** 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.

**E333 Studies in Chinese Cinema (3 cr.)**

**A & H, CSA** Critical and historical perspectives on Chinese cinema from the 1930s to the 1990s, including Taiwan and Hong Kong. Lectures and readings on the silent era, melodrama, musical, minority film, adaptation, the fifth generation, ideology, sexuality, urban cinema, and women's cinema.

**E350 Studies in East Asian Society (3 cr.)**

**S & H, CSA** 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.

**E351 Studies in East Asian Thought (3 cr.)**

**A & H, CSA** 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.

**E352 Studies in East Asian History (3 cr.)**

**S & H, CSA** 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.

**E354 Society and Education in Japan (3 cr.)**

**S & H, CSA** Survey of social change in Japan, with a focus on educational institutions, patterns of learning, educational thought, and the spread of literacy.

**E371 Twentieth-Century Chinese Literature (3 cr.)**

**A & H, CSA** Twentieth-century Chinese literature in translation, with readings from Liu O, Mao Tun, Lao She, and selected contemporary authors from China and Taiwan.

**E372 Japanese Fiction and Culture (3 cr.)**

**A & H, CSA** 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.

**E374 Early Chinese Philosophy (3 cr.)**

**A & H, CSA** 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 not given for both E374 and PHIL P374.

**E384 East Asian Nationalism and Cultural Identity (3 cr.)**

**S & H, CSA** 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.

**E385 Asian Americans: Cultural Conflict and Identity (3 cr.)**

**S & H, CSA** 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.

**E386 United States-East Asian Relations (3 cr.)**

**S & H, CSA** 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 relationship.

**E390 Contemporary Chinese Politics (3 cr.)**

**S & H, CSA** 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.

**E392 Chinese Foreign Policy (3 cr.)**

**S & H, CSA** 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.

**E393 China's Political Economy (3 cr.)**

**S & H, CSA** 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.

**E394 Business and Public Policy in Japan (3 cr.) S & H, CSA** A study of the historical evolution and contemporary dynamics of Japanese business, with emphasis on the role of government policy in regulating and promoting business activity. Topics will include government, business, and postwar economic growth in Japan; labor-management relations; economic interests and political power; and U.S.-Japanese trade relations.

**E395 Japan in World Trade and Politics (3 cr.) S & H, CSA** 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.

**E473 History of Japanese Theatre and Drama (3 cr.) A & H, CSA** 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*

**E495 Individual Readings (1-3 cr.)** Repeatable with permission of undergraduate advisor. May be repeated once for a maximum of 6 credit hours.

**E496 Foreign Study (East Asian Exchange Programs) (cr. arr.) 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.

**E497 Overseas Study Tour (3 cr.) A & H, CSA** 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.

**E498 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.

**H399 Reading for Honors (15 cr. max.)** P: Approval of departmental honors advisor. Readings for the superior students in preparation for work on a research project

(H499). Number of credits and texts must be approved by instructor. I Sem., II Sem.

**H499 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**

### *Literature and Linguistics*

EALC C425 Teaching Chinese Language

EALC C431 Readings in Modern Chinese Literature **A & H**

EALC C450 Chinese Writing and Rhetoric

EALC E300 Studies in East Asian Literature

EALC E301 Chinese Language and Culture **A & H, CSA**

EALC E305 Korean Language and Culture **S & H, CSA**

EALC E321 Traditional Japanese Literature **A & H, CSA**

EALC E322 Modern Japanese Literature **A & H, CSA**

EALC E331 Traditional Chinese Literature **A & H, CSA**

EALC E332 Chinese Literature since 1300 **A & H, CSA**

EALC E333 Chinese Cinema **A & H, CSA**

EALC E371 Twentieth-Century Chinese Literature **A & H, CSA**

EALC E372 Japanese Fiction and Culture **A & H, CSA**

EALC E473 History of Japanese Theatre and Drama **A & H, CSA**

EALC J421 Introduction to Japanese Linguistics **N & M**

EALC J425 Teaching Japanese Language

EALC J431 Readings in Modern Japanese **A & H, CSA**

EALC J451 Readings in Japanese Newspapers and Journals

EALC J491 Humanities Topics in Japanese **A & H, CSA**

EALC K431 Readings in Modern Korean Literature I **A & H**

EALC K432 Readings in Modern Korean Literature II **A & H**

CMLT C365 Japanese-Western Literary Relations **A & H, CSA**

CMLT C375 Chinese-Western Literary Relations **A & H, CSA**

THTR T468 Non-Western Theatre and Drama **A & H, CSA**

### *Thought, Religion, and Art*

EALC E303 Korean Folk and Elite Cultures **A & H, CSA**

EALC E351 Studies in East Asian Thought **A & H**

EALC E374 Early Chinese Philosophy **A & H, CSA**

FINA A360 Topics in East Asian Art **A & H, CSA**  
 FINA A464 Early Chinese Art and Archaeology **S & H, CSA**  
 FINA A466 Early Chinese Painting **S & H, CSA**  
 FINA A467 Later Chinese Painting **S & H, CSA**  
 FOLK F305 Asian Folklore/Folklife/Folk Music **A & H, CSA**  
 REL R350 East Asian Buddhism **A & H, CSA**  
 REL R357 Religions in Japan **A & H, CSA**  
 REL R369 The Taoist Tradition **A & H, CSA**  
 REL R450 Topics in the Buddhist Tradition **A & H**  
 REL R452 Topics in East Asian Religions **A & H, CSA**  
 REL R469 Topics in Taoism and Chinese Religion **A & H, CSA**

*History and Society*

EALC E302 Geographic Patterns in China **S & H, CSA**  
 EALC E350 Studies in East Asian Society **S & H**  
 EALC E352 Studies in East Asian History **S & H**  
 EALC E354 Society and Education in Japan **S & H, CSA**  
 EALC E384 East Asian Nationalism and Cultural Identity **S & H, CSA**  
 EALC E385 Asian Americans: Cultural Conflict and Identity **S & H, CSA**  
 EALC E386 United States-East Asian Relations **S & H, CSA**  
 EALC E390 Contemporary Chinese Politics **S & H, CSA**  
 EALC E392 Chinese Foreign Policy **S & H, CSA**  
 EALC E393 Chinese Political Economy **S & H, CSA**  
 EALC E394 Business and Public Policy in Japan **S & H, CSA**  
 EALC E395 Japan in World Trade and Politics **S & H, CSA**  
 EALC J441 Readings in Japanese Scholarly Materials **S & H**  
 EALC J492 Historical and Cultural Topics in Japanese **S & H, CSA**  
 HIST G357 Premodern Japan **S & H, CSA**  
 HIST G358 Early Modern Japan **S & H, CSA**  
 HIST G369 Modern Japan **S & H, CSA**  
 HIST G372 Modern Korea **S & H, CSA**  
 HIST G380 Early China **S & H, CSA**  
 HIST G382 China: The Age of Glory **S & H, CSA**  
 HIST G383 China: The Later Empires **S & H, CSA**  
 HIST G385 Modern China **S & H, CSA**  
 HIST G387 Contemporary China **S & H, CSA**  
 POLS Y333 Chinese Politics **S & H, CSA**  
 POLS Y334 Japanese Politics **S & H, CSA**

**Other courses that may count toward the majors:**

CMLT C257 Asian Literature and the Other Arts **A & H, CSA**  
 CMLT C265 Introduction to East Asian Poetry **A & H, CSA**  
 CMLT C266 Introduction to East Asian Fiction **A & H, CSA**  
 CMLT C291 Studies in Non-Western Film **A & H, CSA**  
 EALC C401-C402 Fourth-Year Chinese I-II  
 EALC E201 Issues in East Asian Literature **A & H, CSA**  
 EALC E202 Issues in East Asian Traditions and Ideas **A & H, CSA**  
 EALC E203 Issues in East Asian Cultural History **S & H, CSA**  
 EALC E204 Issues in East Asian Society **S & H, CSA**  
 EALC E231 Japan: The Living Tradition **A & H, CSA**  
 EALC E232 China: The Enduring Heritage **A & H, CSA**  
 EALC E233 Survey of Korean Civilization **A & H, CSA**  
 EALC E251 Traditional East Asian Civilization **S & H, CSA**  
 EALC E252 Modern East Asian Civilization **S & H, CSA**  
 EALC E270 Japanese Language and Society **A & H, CSA**  
 EALC E271 Twentieth-Century Japanese Culture **A & H, CSA**  
 EALC E316 Computer Enhanced Language Learning  
 EALC E497 Overseas Study Tour **A & H, CSA**  
 EALC J401-J402 Fourth-Year Japanese I-II  
 EALC K401-K402 Fourth-Year Korean I-II  
 FINA A262 Introduction to Japanese Art and Culture **S & H, CSA**  
 HIST H208 American-East Asian Relations **S & H, CSA**

# Economics

## Faculty

**Chairperson** Gerhard Glomm

**Rudy Professors of Economics** Pravin Trivedi, George von Furstenberg

**Chancellor's Professor** Roy Gardner

**Professors** Michael Alexeev, Robert Becker, William Becker, Edward Buffie, Fwu-Ranq Chang, Gerhard Glomm, Michael Kaganovich, Eric Leeper, James Walker, Arlington Williams

**Associate Professors** Elyce Rotella, Willard Witte

**Assistant Professors** Rubiana Chamrbagwala, Juan Carlos Escanciano, Kim Huynh, David Jacho-Chavez, Yoon-Jin Lee, Ricardo Lopez, Brian Peterson, Rusty Tchernis, Konstantin Tyurin, Todd Walker

**Clinical Assistant Professor** Mary Beth Camp

**Lecturers** Peter Olson, James Self

**Academic Advising** Wylie Hall 105, (812) 855-1021

## Introduction

The Department of Economics (ECON) deals with problems of social and individual choice in situations of scarcity. The field of economics has a coherent body of theory for analyzing such situations which has been applied to many current economic and social problems. These theories have also been extensively tested against empirical evidence. Courses in economics provide students with an understanding of economic theory and its application in a variety of areas.

**Note:** Throughout the listing of major requirements, minor requirements, and course prerequisites, any course may be replaced by the honors equivalent. Also, students in the Liberal Arts and Management Program may substitute approved sections of L316 (LAMP Junior Seminar) for E370.

## Major in Economics

**Purpose** The economics major provides students with the basic theoretical understanding and statistical tools necessary to understand society's role in economic decision making. The major prepares students for graduate or professional schools or the general job market.

### Requirements

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. At least three additional economics courses numbered above E322. E370, E496, and Y398 cannot be used to meet this requirement.
6. A total of at least 27 credit hours of economics, including at least 18 credit hours in courses at the 300-400 level. Approved sections of L316 can be included in this total. E496, Y398, and E175 cannot be included in this total.

## Minor in Economics

**Requirements** 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. At least one additional economics course 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. Approved sections of L316 may be included in this total. E496, Y398, and E175 cannot be included in this total.

## Interdepartmental Major in Economics and Mathematics

**Purpose** The interdepartmental major in economics and mathematics is designed to enable students to model economic questions mathematically, and to analyze and solve those models.

**Requirements** 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, M471, M472); or probability and statistics (M366\*, M463, M464, M465, M466, M467, M468).

**\*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.

3. Statistics: the sequence Mathematics M360-M366, or 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 take Mathematics M360, M366, M371, M463, M464, and one course from M466, M467, 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 in mathematics.

### 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. Also, students in the Liberal Arts and Management Program may substitute approved sections of L316 (LAMP Junior Seminar) for E370.

#### Requirements

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

1. Mathematics requirements: Finite Mathematics M118 and Calculus M119 or M211 (These courses do not count toward the 42 credit hours required for the major.)
2. Economics E201, E202, E321, and at least three additional economics courses. Two of these three courses must be numbered above E321. The following courses cannot be used to meet this requirement: E175, E370, E496, Y398.

At least 18 credit hours in political science to include the following:

1. One course chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405
2. 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.)
3. Statistics requirement: ECON E370 or POLS Y395

### Special Considerations

1. Students meeting requirements 1-3 above with a total of 39 credit hours will be allowed to use 3 credit hours toward the major from preapproved sections of COLL E104 (Topics) courses. A list of preapproved sections of COLL E104 (Topics) 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.

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 (E175, E370, E496, and Y398 cannot be used to meet this requirement.)
2. One course chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405
3. Another 6 credit hours in political science in courses not used in numbers 1 or 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.)

**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

Students with records of distinction may be eligible for the degree of B.A. with honors in economics. The honors program in economics recognizes those students with marked potential to excel in the study of economics and who desire more intensive contact with

faculty than is available in the classroom and who desire some discretion to pursue topics that interest them.

Students who have completed E201, E202, E370, E321, E322, and have earned a GPA of 3.300 or higher may be admitted to the honors program. Requirements for a B.A. with honors in economics are:

1. A GPA of 3.500 or higher in economics courses upon graduation.
2. At least 6 credits in economics courses numbered E390 through E490. Credit in E391 Undergraduate Readings in Economics must be approved in advance by the honors director.
3. Presentation of an undergraduate honors project approved by the honors director. Three to 6 hours of credit may be earned for preparation of the honors project (with permission of the honors director) by registering for E499.

## Course Descriptions

### **E175 Economics for Educators (3 cr.)**

Designed for students preparing to be teachers. Covers basic concepts and analytical techniques in both microeconomics and macroeconomics. Emphasis is placed on active learning exercises, discussion and analysis of current events, group problem solving and other instructional techniques useful in primary and secondary education. Does not count toward a major or minor in economics.

### **E201 Introduction to Microeconomics (3 cr.)**

**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.

### **E202 Introduction to Macroeconomics (3 cr.)**

**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.

### **S201 Introduction to Microeconomics:**

**Honors (3 cr.) S & H** Designed for students of superior ability. Covers same core materials as E201 and substitutes for E201 as a prerequisite for other courses. I Sem.

### **S202 Introduction to Macroeconomics:**

**Honors (3 cr.) S & H P:** S201 or E201. Designed for students of superior ability. Covers same core material as E202 and substitutes for E202 as a prerequisite for other courses. II Sem.

### **E303 Survey of International Economics (3 cr.)**

**S & H P:** E201-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 vs. flexible exchange rates. Students who have taken E333 may not enroll in E303 for credit. Only 6 credit hours from E303, E331, and E332 may be counted toward a major in economics.

### **E304 Survey of Labor Economics (3 cr.) S & H**

**P:** E201 and E202. Economic problems of the wage earner in modern society; structure, policies, and problems of labor organizations; employer and governmental labor relations. Credit given for only one of E304 or E340.

### **E305 Money and Banking (3 cr.) S & H**

**P:** E201-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. Credit given for only one of E305 or E350.

### **E308 Survey of Public Finance (3 cr.) 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.

### **E309 Topics in Economics (3 cr.) S & H**

**P:** E201 and E202. Examination and analysis 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 twice for credit with different topics.

### **E321 Intermediate Microeconomic Theory**

**(3 cr.) S & H P:** E201 and MATH M119 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.

### **S321 Intermediate Microeconomic Theory:**

**Honors (3 cr.) S & H P:** E201 and MATH M119 or M211. 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.

### **E322 Intermediate Macroeconomic Theory**

**(3 cr.) S & H P:** E202 and E321. National income accounting; theory of income, employment, and price level. Countercyclical and other public policy measures.

**S322 Intermediate Macroeconomic**

**Theory: Honors (3 cr.) S & H P:** E202 and E321. 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 the following: E322, S322, E422, BUS G301 or G409.

**E327 Game Theory (3 cr.) 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.

**E331 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.

**E332 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.

**E337 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. Credit given for only one of E337 or E495.

**E341 Economics of Labor Market (3 cr.)**

**P:** E370 or S370, and E321. Analysis of the functioning of labor markets with theoretical, empirical, and policy applications in determination of employment and wages in the U.S. economy. Credit given for only one of E341 or E441.

**E347 Women and the Economy (3 cr.) P:** E321.

Description and analysis of the position of women in the U.S. economy. Emphasis is placed on using microeconomic theories to explain women's labor force behavior; sex differentials in earnings and occupations; discrimination; economic issues related to marriage, divorce, fertility, and mortality; institutional and governmental policies that affect women's economic behavior.

**E351 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.

**E359 Economic History of the United States (3 cr.) S & H P:** E321.

Economic development and institutional change in the U.S. from colonial times to the present. Timing, pace, and sources of economic growth; structural change; economic activity; industrialization; government intervention; and income distribution. Credit given for only one of E359 or E409.

**E361 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.

**E362 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.

**E364 Environment and Resource Economics (3 cr.) 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. Credit given for only one of E364 or E463.

**E370 Statistical Analysis for Business and Economics (3 cr.) N & M P:** MATH M118 or similar course emphasizing probability concepts.

**P or C:** E201 or E202 and MATH M119. 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. E270, S270, I Sem., II Sem., SS. Credit given for only one of the following: ECON E270, S270, E370, S370, CJUS K300, MATH/PSY K300, K310; SOC S371; or SPEA K300. I Sem., II Sem., SS.

**S370 Statistical Analysis for Business and Economics: Honors (3 cr.) N & M**

**P:** MATH M118 or similar course emphasizing probability concepts. **P or C:** E201 or E202 and MATH M119. Designed for students of superior ability. Covers same core material as E370 and substitutes for E370 as a prerequisite for other courses. Credit given for only one of S270, E270, E370, or S370.

**E382 The Digital Economy (3 cr.)** P: E321. Studies the economics of information goods. Topics include macroeconomic productivity and the information revolution, pricing information goods, lock-in and switching costs, bundling information goods, network externalities, strategy and the internet, digital auction markets, public policy issues, and current topics in the information economy.

**E385 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.

**E386 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.

**E390 Undergraduate Seminar in Economics (3 cr.)** P: E321. Discussion and analysis of contemporary economic problems. Different topics offered each semester. May be repeated twice for credit. Papers and written assignments ordinarily required. I Sem.

**E391 Undergraduate Readings in Economics (1-6 cr.)** P: E321, or consent of instructor. Individual readings and research. Maximum of 6 credit hours count toward degree. Restricted to majors in economics.

**E425 Financial Economics (3 cr.)** P: E321 and E370 strongly recommended. Modern financial markets; theories and empirical evidence. Present value, modern portfolio theory, risk and return, the capital asset pricing model, arbitrage pricing theory, the efficient markets hypothesis, bubbles, noise and market anomalies, options and derivative securities, and the economic function of derivatives.

**E427 Seminar in Experimental Economics (3 cr.)** P: E321 and E370 or consent of instructor. 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.

**E471 Econometric Theory and Practice I (3 cr.)** P: E370 or consent of instructor. Emphasis is on the classical linear regression model and that probability and statistical theory play in its formulation and use. Special topics include point and interval estimation, hypothesis testing, extensions of multiple regression, and computer calculation of least squares estimators and test statistics. Credit given for only one of E372 or E471.

**E472 Econometric Theory and Practice II (3 cr.)** P: E471. Emphasis is on the matrix formulation and computer estimation methods for single and multiple equation classical regression models using economic and business data. Attention is given to the assumptions required for testing a single coefficient, sets of coefficients, and the complete regression model. Special topics include heteroscedasticity, multicollinearity, errors in variables, autocorrelation, and system identification.

**E490 Advanced Undergraduate Seminar in Economics (3 cr.)** Open to juniors and seniors by special permission; preference given to honors students. Discussion of contemporary economic problems. Tutorial sections limited to twenty students each.

**E496 Foreign Study in Economics (3-8 cr.; once only) 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.

**E499 Reading and Research for Honors (3-6 cr.)** P: approval of departmental honors advisor. Research and preparation of senior honors project. Maximum of 6 credit hours count toward degree.

**Y398 Internship in Professional Practice (1-6 cr.)** P: junior standing; approval of major department. Students receive credit for selected, career-related, full-time work. Evaluation by employer and faculty sponsor. Credit may not be included in 27 credit hours required for major. Maximum of 6 credit hours count toward degree.

# English

## Faculty

**Chairperson Professor** George Hutchinson

**Associate Chairperson** Kathy O. Smith

**Distinguished Professors** Susan Gubar, Scott Russell Sanders

**Chancellor's Professors** Judith H. Anderson, Anthony Ardizzone, Robert Fulk

**Culbertson Chair** John Schilb

**Tarkington Chair** George Hutchinson

**Ruth N. Halls Professor** Deidre Lynch

**Professors** Christine R. Farris, Raymond Hedin, Christoph Irmscher, Karma Lochrie, Richard Nash, David J. Nordloh, Alvin H. Rosenfeld, Maura Stanton, Stephen M. Watt, Oscar Kenshur (Comparative Literature), John A. McCluskey Jr. (African American and African Diaspora Studies), Jack D. Rollins (Hutton Honors College), Dror Wahrman (History)

**Associate Professors** Purnima Bose, Catherine Bowman, Richard Cecil, Linda Charnes, Edward Comentale, Jonathan Elmer, Mary Favret, Jennifer Fleissner, Paul Gutjahr, Patricia Ingham, Joshua Kates, De Witt Douglas Kilgore, Ivan Kreilkamp, Joan Pong Linton, Deidre Lynch, Joss Marsh, Alyce Miller, Andrew H. Miller, Ranu Samantrai, Kathy O. Smith, Janet Sorensen, Samrat Upadhyay, Nicholas Williams, Barbara Klingler (Communication and Culture), Herbert Marks (Comparative Literature)

**Assistant Professors** Michael Adams, Dana Anderson, Judith Brown, Yoonmee Chang, Margo Crawford, Shannon Gayk, Ellen MacKay, Maurice Manning, Shane Vogel, Crystal Wilkinson, Marion Frank-Wilson (Wells Library), John A. Walsh (Wells Library)

**Director, Graduate Studies** Ranu Samantrai, Ballantine 442, (812) 855-1543

**Director, Undergraduate Studies** Paul Gutjahr, Ballantine 442, (812) 855-9532

**Director, English Honors Program** Edward Comentale, Ballantine Hall 461, (812) 855-1395

**Director, Composition** Christine R. Farris, Ballantine Hall 447, (812) 855-1430

**Director, Basic Writing and Special Programs** Kathy O. Smith, Ballantine Hall 404, (812) 855-1430

**Director, Creative Writing** Catherine Bowman, Ballantine Hall 466, (812) 855-7967

**Coordinator, Creative Writing Pedagogy** Romaine Rubinas Dorsey, Ballantine 460, (812) 855-4038

**Academic Advising** Mary K. Rothert, Ballantine Hall 442, (812) 855-9532

## 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, Native American literature, and world literary cultures in English.

## Major in English

**Requirements** Students must complete 30 credit hours in English above the 100 level, including L202, L371, and one 300-level course appropriate to each of four periods in the history of literatures in English—beginnings through the sixteenth century; sixteenth through eighteenth centuries; the nineteenth century; 1900 to the present. 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 related courses listed at the end of this section.

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

**Recommendations** The department recommends that majors considering graduate work in English take elective courses in a variety of periods of English and American literature. Especially recommended are courses in Chaucer (L305); Shakespeare (L313-L314); Milton (L318); the major figures of nineteenth-century American literature (L351-L352); and 400-level senior seminars. For advice in planning a course of study, students should consult their departmental advisor and the department's pamphlet, "Designing an English Major." Each semester, the department publishes detailed descriptions of courses to be offered the following semester.

## Foreign Language Recommendations

Students who expect to do graduate work in English are advised to take substantial work in two foreign languages. French, German, or Latin are commonly required by graduate schools.

## 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:

- a. L202 Literary Interpretation.
- b. L371 Critical Practices.
- c. One 300-level course appropriate to each of four periods in the history of literatures in English—beginnings through the sixteenth century; sixteenth through eighteenth century; the nineteenth century; 1900 to the present.

**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:

- a. A150 Survey of the Culture of Black Americans.
- b. A355 Afro-American History I or A356 Afro-American History II.
- c. A379 Early Black American Writing or A380 Contemporary Black American Writing.
- d. Three courses from among the following:
  - A249 Afro-American Autobiography
  - A384 Blacks in American Drama and Theatre 1945–Present
  - A479 Contemporary Black Poetry
  - A480 The Black Novel
  - A493 Senior Seminar in African American and African Diaspora Studies

**Minor in English**

**Requirements** 15 credit hours in English above the 100 level, including:

1. L202 Literary Interpretation.
2. Departmentally approved courses representing two of the following periods in the history of literatures in English—beginnings through the sixteenth century; sixteenth through eighteenth centuries; the nineteenth century; 1900 to the present.
3. Two 200- to 400-level electives, at least one of them at the 300 level or above.
4. At least 9 credit hours of these courses must be taken on the Bloomington campus.

**Note:** The following courses are not automatically approved for inclusion in the minor: W202, W205, and courses completed through Independent Studies.

**Departmental Honors Program**

Outstanding students are eligible for admission to the English honors program at the end of their sophomore year. The program consists of independent reading, research, and writing with tutorial instruction. During the junior year, the honors candidate typically takes one junior

honors seminar (L399) and appropriate course work in an area of concentration. 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 W110, W131, W143, or W170 may not receive or retain Indiana University special credit in composition.

**J101 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.

**J102 Introduction to College Composition (3 cr.)** P: Consent of department. For Groups students only. A further introduction to the writing process; continuation of J101.

**W101 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.

**X101 Pre-Composition (3 cr.)** An introduction to the writing process.

*W130 is not an in-class course on the Bloomington campus, but is available for transfer credit only.*

**W130 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.

**W131 Elementary Composition (3 cr.)** Offers instruction and practice in the reading, writing, and critical thinking skills required in college. Emphasis is on written assignments that require synthesis, analysis, and argument based on sources.

**W143 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.

**W170 Projects in Reading and Writing (3 cr.)** An alternative to W131, this freshman composition course offers a challenging sequence of projects in reading and writing. Topics and approaches will vary by section;

the focus, however, will be on projects that encourage sustained inquiry into complex problems or significant issues. Credit given for only one of W170 or W131.

**W202 English Grammar Review (1 cr.)**

This 1 credit, eight-week course will provide 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 will be assumed or required. No authorization is required for this course. Does not count in the major or minor.

**W231 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.

**W240 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.

**W270 Argumentative Writing (3 cr.)**

P: Completion of the English composition requirement. Offers instruction and practice in writing argumentative essays about complicated and controversial issues. The course focuses on strategies for identifying issues, assessing claims, locating evidence, deciding on a position, and writing papers with clear assertions and convincing arguments.

**W280 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.

**W321 Advanced Technical Writing (3 cr.)**

P: W231 or permission of the instructor. Instruction in preparing technical proposals and reports, with an introduction to the use of graphics.

**W350 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*

**W103 Introductory Creative Writing (3 cr.)**

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.

**W203 Creative Writing (3 cr.)** P: Completion of English composition requirement; English W103 or permission of Director, Creative Writing. Exploratory course in the writing of poetry and/or fiction. May be repeated with a different topic for a maximum of 6 credit hours.

**W301 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.

**W303 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.

**W311 Writing Creative Nonfiction (3 cr.)**

P: Submission of acceptable manuscripts 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.

**W381 The Craft of Fiction (3 cr.)** P: W203,

W301, 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.

**W383 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.

**W401 Advanced Fiction Writing (3 cr.)** P: W301

or permission of instructor, plus submission of acceptable manuscript to instructor in advance of registration. May be repeated once for credit.

**W403 Advanced Poetry Writing (3 cr.)** P: W303

or permission of instructor, plus submission of acceptable manuscript to instructor in advance of registration. May be repeated once for credit.

**W410 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.

*English Language***G205 Introduction to the English Language (3 cr.)**

P: Acquaints the student with contemporary studies of the nature of language in general and of the English language in particular. I Sem.

**G302 Structure of Modern English (3 cr.)**

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.

**G405 Studies in English Language (3 cr.)**

P: G205 or equivalent. Topics will vary from semester to semester.

*Literature***E301 Literatures in English to 1600 (3 cr.) A & H**

The historical study of literature in English for the period 450 to 1600.

**E302 Literatures in English, 1600-1800 (3 cr.)**

A & H Representative study of British and American literature of the sixteenth through the eighteenth centuries in the context of transatlantic cultural developments.

**E303 Literatures in English, 1800-1900 (3 cr.)**

A & H Representative study of nineteenth-century British and American literature in the context of transatlantic cultural developments.

**E304 Literatures in English, 1900-Present (3 cr.) 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. Focus on themes associated with modernity and cross-cultural contacts.

**L141-L142 Introduction to Writing and the Study of Literature I-II (4-4 cr.) A & H P:**

For L142: L141 or equivalent in another department. Texts selected thematically in the first semester and according to genre or mode (comedy, tragedy, prose fiction, satire, epic, romance, fantasy, etc.) in the second semester provide a subject for expository writing of increasing complexity. Course meets four periods per week; at least five essays are written each semester.

**L198 Freshman Literature (3 cr.) A & H**

Basic survey of literary masterpieces, open only to students who have received advanced placement in literature.

**A202 Literary Interpretation—Advance College Project (3 cr.) A & H** For high school students capable of college-level work. Development of 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. **Note:** Advance College Project A202 will not count toward the English major or satisfy the intensive writing requirement.

**L202 Literary Interpretation (3 cr.) A & H**

P: Completion of the English composition requirement. Development of 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.

**L203 Introduction to Drama (3 cr.) A & H**

Representative significant plays to acquaint students with characteristics of drama as a type of literature. Readings will include plays from several ages and countries.

**L204 Introduction to Fiction (3 cr.) A & H**

Representative works of fiction; structural techniques in the novel. Novels and short stories from several ages and countries.

**L205 Introduction to Poetry (3 cr.) A & H**

Kinds, conventions, and elements of poetry in a selection of poems from several historical periods.

**L206 Introduction to Prose (Excluding Fiction) (3 cr.) A & H**

Varieties of nonfictional prose, such as autobiography, biography, and the essay. Representative works from several periods and countries.

**L207 Women and Literature (3 cr.) A & H**

Issues and approaches to the critical study of women writers and their treatment in British and American literature.

**L208 Topics in English and American**

**Literature and Culture (3 cr.) 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.

**L210 Studies in Popular Literature and Mass**

**Media (3 cr.) 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.

**L213-L214 Literary Masterpieces I-II (3-3 cr.)**

**A & H** Literary masterpieces from Homer to the present. Aims at thoughtful, intensive reading; appreciation of aesthetic values; enjoyment of reading.



**L220 Introduction to Shakespeare (3 cr.)**

**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.

**L230 Introduction to Science Fiction (3 cr.)**

**A & H** Study of the kinds, conventions, and theories of science fiction. Course may include both literature (predominantly British and American) and film.

**L240 Literature and Public Life (3 cr.) A & H**

A 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.

**L241 American Jewish Writers (3 cr.) A & H, CSA**

Introduction to the works of selected American Jewish writers such as Saul Bellow, Bernard Malamud, Cynthia Ozick, and Philip Roth.

**L249 Representations of Gender and Sexuality (3 cr.) A & H**

**A & H** A study of literary and cultural presentations of gender and sexuality that traces their historical evolution, illuminates issues and problems, or studies the conventions of their depictions.

**L295 American Film Culture (3 cr.) A & H**

Film in relation to American culture and society. Topic varies. Works of literature may be used for comparison, but the main emphasis will be on film as a narrative medium and as an important element in American culture.

**L305 Chaucer (3 cr.) A & H** Chaucer's work, with special emphasis on *The Canterbury Tales*.

**L306 Middle English Literature (3 cr.) 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.

**L307 Medieval and Tudor Drama (3 cr.) A & H**

Drama from its beginnings in Medieval England through contemporaries of the early Shakespeare.

**L308 Elizabethan and Seventeenth-Century Drama (3 cr.) A & H**

English drama from Shakespeare's time to the closing of the theaters in 1642 and beyond.

**L309 Elizabethan Poetry (3 cr.) A & H**

Major Elizabethan poets, with special attention to Spenser.

**L313 Early Plays of Shakespeare (3 cr.) A & H**

Close reading of at least seven early plays of Shakespeare. May not be taken concurrently with L220.

**L314 Late Plays of Shakespeare (3 cr.) A & H**

Close reading of at least seven later plays of Shakespeare. May not be taken concurrently with L220.

**L317 English Poetry of the Early Seventeenth Century (3 cr.) A & H**

Major poets in England, 1600-1660.

**L318 Milton (3 cr.) A & H**

Poetry and prose of John Milton, with special attention to *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*.

**L320 Restoration and Early Eighteenth-Century Literature (3 cr.) A & H**

Representative literary works from 1660 to the mid-eighteenth century, studied within their social context.

**L327 Later Eighteenth-Century Literature (3 cr.) A & H**

Representative literary works from the mid-eighteenth century to 1800, studied within their social context.

**L328 Restoration and Eighteenth-Century Drama (3 cr.) A & H**

Development of English Drama from Puritan closing of playhouses into the nineteenth century.

**L332 Romantic Literature (3 cr.) 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.

**L335 Victorian Literature (3 cr.) A & H**

Major poetry and prose, 1830-1900, studied against the social and intellectual background of period.

**L345 Twentieth-Century British Poetry (3 cr.)**

**A & H** Modern poets, particularly Yeats, Eliot, Auden; some later poets may be included.

**L346 Twentieth-Century British Fiction (3 cr.)**

**A & H** Modern fiction, its techniques and experiments, particularly Joyce, Lawrence, and Woolf; some later novelists may be included.

**L347 British Fiction to 1800 (3 cr.) A & H**

Forms, techniques, and theories of fiction as exemplified by such writers as Defoe, Richardson, Fielding, Smollett, and Sterne.

**L348 Nineteenth-Century British Fiction (3 cr.) A & H**

Forms, techniques, and theories of fiction as exemplified by such writers as Scott, Dickens, Eliot, and Hardy.

**L350 Early American Writing and Culture to 1800 (3 cr.) A & H**

Examination of 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.

**L351 American Literature 1800-1865 (3 cr.)**

**A & H** American writers to 1865, with emphasis on Emerson, Hawthorne, Melville, Thoreau, and Whitman.

**L352 American Literature 1865-1914 (3 cr.)**

**A & H** American writers, 1865-1914: Twain, Dickinson, James, and two or three additional major writers.

**L354 American Literature since 1914 (3 cr.)**

**A & H** American writers since 1914: Faulkner, Hemingway, Eliot, Frost, and two or three additional major writers.

**L355 American Fiction to 1900 (3 cr.) A & H**

Survey of representative nineteenth-century American novels, with emphasis on works of Cooper, Hawthorne, Melville, Twain, James, and Dreiser.

**L356 American Poetry to 1900 (3 cr.) A & H**

Includes the work of Bradstreet, Taylor, the fireside poets, Poe, Emerson, Whitman, Dickinson, and Crane.

**L357 Twentieth-Century American Poetry (3 cr.) A & H**

American poetry since 1900, including such poets as Pound, Eliot, Frost, Stevens, Williams, and Lowell.

**L358 Twentieth-Century American Fiction (3 cr.) A & H**

American fiction since 1900, including such writers as Dreiser, Lewis, Fitzgerald, Hemingway, Faulkner, and Bellow.

**L360 American Prose (Excluding Fiction) (3 cr.) A & H**

Prose forms such as autobiography, biography, the essay, and historical writing.

**L363 American Drama (3 cr.) A & H**

Main currents in American drama to the present.

**L364 Native American Literature (3 cr.) A & H, CSA**

A survey of 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.

**L365 Modern Drama: Continental (3 cr.) A & H**

Special attention to Ibsen, Strindberg, Chekhov, Pirandello, Brecht, Beckett, and the theater of the absurd.

**L366 Modern Drama: English, Irish, American, and Post-Colonial (3 cr.) A & H**

Shaw, Synge, O'Neill, and other significant dramatists, such as Harold Pinter, Edward Albee, August Wilson, Athol Fugard, and Wole Soyinka.

**L367 Literature of the Bible (3 cr.) A & H**

Hebrew Bible and New Testament with emphasis on questions of reading and interpretation.

**L369 Studies in British and American**

**Authors (3 cr.) 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 will vary from semester to semester. May be repeated once for credit.

**L371 Critical Practices (3 cr.) A & H**

P: L202 with grade of C- or higher. Study of and practice in using contemporary critical methodologies; can be focused on specific topics.

**L373 Interdisciplinary Approaches to English and American Literature (3 cr.) 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.

**L374 Ethnic American Literature (3 cr.)**

**A & H, CSA** Literature about the American ethnic experience, selected from works by African American, Jewish American, Italian American, Irish American, Native American, Asian American, Hispanic American, and other ethnic authors.

**L375 Studies in Jewish Literature (3 cr.)**

**A & H, CSA** 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.

**L378 Studies in Women and Literature (3 cr.)**

**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.

**L380 Literary Modernism (3 cr.) 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.

**L381 Recent Writing (3 cr.) 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.

**L383 Studies in British or Commonwealth Culture (3 cr.) 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.

**L384 Studies in American Culture (3 cr.)**

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.

**L389 Feminist Literary and Cultural Criticism (3 cr.) 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.

**L390 Children's Literature (3 cr.) 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.

**L391 Literature for Young Adults (3 cr.) 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.

**L395 British and American Film Studies (3 cr.)**

A & H Intensive study of specific topics related to film narratives; emphasis on American or British film as a cultural phenomenon. Topic varies.

**L396 Studies in African American Literature and Culture (3 cr.) A & H, CSA**

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).

**Y398 Professional Practice in English (1-6 cr.)**

(S/F grading) P: Major standing, 12 credit hours in English at 200 level or above, including L202, good academic standing, approval of Department of English. 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.

**L399 Junior Honors Seminar (3 cr.)**

P: Approval of department's Honors Director or by permission of instructor. May be repeated once for credit.

**L450 Seminar: British and American Authors (3 cr.)**

Intensive study of a major author or a school of closely related authors.

**L460 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.).

**L470 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.).

**L480 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.

**L495 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.

**L498 Internship in English (1-3 cr.) (S/F**

grading) P: Major standing, minimum GPA of 3.000, 12 credit hours in English at 200 level or above (including L202), prior arrangement with faculty member or editor. 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.

**L499 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**

A379 Early Black American Writing (3 cr.)

A & H, CSA

A380 Contemporary Black American Writing

(3 cr.) A & H, CSA

A479 Contemporary Black Poetry (3 cr.) A & H

A480 The Black Novel (3 cr.) A & H, CSA

**Folklore and Ethnomusicology**

F430 Folklore and Related Disciplines (3 cr.)

**S & H** Topic approval by director of undergraduate studies required.**Linguistics**L103 Introduction to the Study of Language (3 cr.) **S & H****Theatre and Drama**

T453-T454 Playwriting I-II (3-3 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 Science

**Faculty****Director** Bruce Douglas (Geological Sciences)**Distinguished Professors** Gary Hieftje (Chemistry), Ronald Hites (Public and Environmental Affairs, Chemistry)**Rudy Professor** Emilio Moran (Anthropology)

**Professors** Simon Brassell (Geological Sciences), Keith Clay (Biology), C. Susan Grimmond (Geography), Hendrik Haitjema (Public and Environmental Affairs), Ellen Ketterson (Biology), Theodore Miller (Public and Environmental Affairs), Craig Nelson (Biology), David Parkhurst (Public and Environmental Affairs), Mark Person (Malcolm and Sylvia Boyce Chair, Geological Sciences), Lisa Pratt (Geological Sciences), Sara Pryor (Geography), J. C. Randolph (Public and Environmental Affairs), Scott Robeson (Geography), Hans Peter Schmid (Geography), Maxine Watson (Biology), Jeffrey White (Public and Environmental Affairs)

**Associate Professors** Debera Backhus (Public and Environmental Affairs), James Bever (Biology), Chris Craft (Public and Environmental Affairs), Tom Evans (Geography), Diane Henshel (Public and Environmental Affairs), Claudia Johnson (Geological Sciences), Vicky J. Meretsky (Public and Environmental Affairs), Greg Olyphant (Geological Sciences), Flynn Picardal (Public and Environmental Affairs), Chen Zhu (Geological Sciences)

**Assistant Professors** Constance Brown (Geography), Kelly Caylor (Geography), Heather Reynolds (Biology), Todd Royer (Public and Environmental Affairs), Phillip Stevens (Public and Environmental Affairs)

**Professors Emeriti** Bennet Brabson (Physics), George Ewing (Chancellor's Professor, Chemistry), Erle Kauffman (Geological Sciences), Noel Krothe (Geological Sciences), Lee Suttner (Geological Sciences), Donald Whitehead (Biology)

**Introduction**

The B.S. in Environmental Science (B.S.E.S.) is a joint degree program between 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, a concentration area, and a senior research project providing advanced hands-on experience. The B.S.E.S. degree program is intended to instill an appreciation of the integrated nature of the discipline and supply a level of expertise in one area. Recognition of these areas of expertise comes in the form of a concentration designation (General, Atmospheric Science, Ecosystem Science, Hydrology and Water Resources, Mathematical Modeling, Surficial Processes, or Pollution Control Technologies and Remediation).

### Major in Environmental Science—B.S.

**Purpose** The B.S. in environmental science is designed to provide a scientific background with both breadth and depth to prepare students for professional science-related employment and/or advanced study at the graduate level. Students must complete a set of fundamental skills and distributions requirements, a core curriculum, and a concentration in a particular branch of environmental science.

#### Fundamental Skills and Distribution

(variable credit hours depending on course selection)

1. Writing: English Composition (ENG W131, W231) and Intensive Writing (IW); senior research thesis within major fulfills IW requirement.
2. Mathematics: Major fulfills requirement.
3. Public speaking: Select one course from CMCL C121, C122, C205, C223, C225, C228, C229, or THTR T115 or T120.
4. Foreign language: Student must complete the study of a single foreign language through the second semester of the first year of college-level course work. All or part of the requirement may be fulfilled by performance on placement examinations.
5. One Topics/Freshman Seminar course from Arts and Humanities or from Social and Historical Studies; the course chosen for this requirement may be used in partial fulfillment of requirement 6 below if the course selected carries the Arts and Humanities designation.
6. Arts and Humanities: Two courses chosen from the College of Arts and Sciences Bulletin "Table of Approved Distribution Courses by Department"; COLL E103 may fulfill one of these two courses.
7. Social and Historical Studies: One course with an emphasis on economics or political science, selected from ECON E201, E202, E364, POLS Y103, or Y313.

8. Social and Historical Studies: One course with an emphasis on public policy, selected from SPEA V263, V371, V376, V499, or V472.
9. Natural and Mathematical Sciences: Major fulfills requirement.

#### Core Requirements (60-62 credit hours)

1. BIOL L111 and L473.
2. CHEM C117, C118 and R340 or C117, R340, and N330 or C117, R340, and A314. Note that CHEM C341 or SPEA E464 may be substituted for CHEM R340. Students who did not earn at least a B- in high school chemistry should contact the B.S.E.S. program director and the Department of Chemistry Undergraduate Placement Office to determine the appropriate starting course.
3. Computing: CSCI A202, or GEOG G250, or SPEA E325. Any one of these three courses may be selected.
4. SPEA E262.
5. GEOG G304.
6. GEOL G225 and G329. G329 is offered only at the IU Geological Field Station in Montana and should be taken during the summer following the fourth semester of enrollment. Students with certain needs can substitute two of the following courses for G329: BIOL L465 Advanced Field Biology, SPEA E442 Habitat Analysis—Terrestrial, and SPEA E443 Habitat Analysis—Aquatic.
7. MATH M211, M212, and M343. Pending enrollments, a special section of M343 for environmental sciences may be offered.
8. PHYS P221 and P222.
9. Statistics: MATH K300 or GEOG G488 or MATH M365 or SPEA K300.
10. Environmental science senior research: Guided by a faculty member, each student undertakes a project closely related to his or her concentration (see below). Completion of oral and written reports provides valuable experience and fulfills the university's intensive writing requirement. Students should enroll in the appropriate course within the faculty supervisor's department.

#### Concentration (minimum of 18 credit hours)

Whereas the core curriculum provides each student with a solid background in the basic subjects pertinent to the environmental sciences, the concentration is aimed at preparing students for graduate study or professional employment in specific fields. A partial list of the available topics includes atmospheric sciences, applied ecology, earth-system science, energy production, environmental toxicology, global environmental change, surface-groundwater systems, numerical modeling, and oceanic sciences. Additional or alternative topics

can be defined in order to fit specific needs or opportunities. Programs include 18 credit hours of course work selected by students in consultation with a faculty advisor, active in the field in which they have chosen to concentrate, and two additional faculty members. Each program is then approved by the B.S.E.S. Program Committee.

### **Department Honors Program**

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.

## **Film Studies**

Students interested in taking film classes, as well as students seeking to major or minor with an emphasis in Film Studies at IUB, should look for film course listings under the heading for the Department of Communication and Culture. The Film Studies Program, its courses, and its faculty have been integrated into the Department of Communication and Culture under the rubric of Media Studies.

For more information please contact Barbara Klinger, Director of Film and Media Resources, Department of Communication and Culture, (812) 855-1072; [klinger@indiana.edu](mailto:klinger@indiana.edu).

# Fine Arts

## Faculty

**Director and Chair, Studio Art** Professor Georgia Strange

**Chair, Art History** Professor Janet Kennedy

**Chancellor's Professor** Patrick McNaughton

**Distinguished Professors** Bruce Cole (Emeritus), Rudolph Pozzatti (Emeritus)

**President's Outstanding Faculty Awardees** William Itter, W. Eugene Kleinbauer (Emeritus), Bonnie Sklarski

**Herman Frederic Lieber Awardee** Georgia Strange

**Rudy Professor of Fine Arts** Robert Barnes (Emeritus)

**Ruth N. Halls Professors** Sarah Burns, Jeffrey A. Wolin

**Professors** Ed Bernstein, Barry Gealt, Janet Kennedy, Randy Long, Patrick McNaughton, Bonnie Sklarski, Georgia Strange

**Associate Professors** Paul Brown, Wendy Calman, Shehira Davezac, Michelle Facos, Adelheid Gealt, Betty Jo Irvine, Eve Mansdorf, Tim Mather, James Nakagawa, James Reidhaar

**Assistant Professors** Christyl Boger, John Bowles, Margaret Dolinsky, Christiane Gruber, Nicole Jacquard, Giles Knox, Arthur Liou, Martha MacLeish, Galo Moncayo Asan, Althea Murphy-Price, Diane Reilly, Leslie Sharpe, Malcolm Mobutu Smith, Mariana Tres, Julie Van Voorhis, Caleb Weintraub, Michael Wsol

**Visiting Assistant Professor** Shoji Satake

**Faculty Emeriti** Robert Barnes, Tom Coleman, Jean-Paul Darriau, Molly Faries, John Goodheart, William Itter, Jerald Jacquard, W. Eugene Kleinbauer, Marvin Lowe, Susan Nelson, Rudolph Pozzatti, Budd Stalnaker, Joan Sterrenburg

**Lecturers** Jenny El-Shamy, Tim Kennedy, Laura Nguyen, Judy Stubbs

**Academic Specialist** Betsy Stirratt

**Associate Scholars** Diana Gros Louis, Diane Pelrine

**Academic Advising** Nell Weatherwax, Fine Arts 127, (812) 855-1693

## Introduction

The School of Fine Arts (FINA) offers students a number of 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.

## 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.

**Requirements** Students must complete at least 30 credit hours in art history, including the following:

1. The survey courses A101-A102.
2. 24 credit hours above the 200 level, including at least four courses at the 300 level and at least three courses at the 400 level. (A160 or one 200-level major course may be substituted for one 300-level course.) The 300- and 400-level courses should be distributed among at least four of the following different areas of art history: ancient, medieval, Renaissance and baroque, modern, Asian, African/Oceanic/pre-Columbian, or art theory.

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 15 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 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 courses and a maximum of 42 credit hours in art history will count toward the 122 credit hours required for the B.A. degree.

## Minor in History of Art

**Requirements** Students must complete five courses in art history, with at least three courses at the 300 or 400 level. Courses must be completed with a C- or higher. At least two of these courses must be taken 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. To be considered, a student must maintain a minimum grade point average of 3.500 in history of art and a minimum 3.300 overall GPA. The core of the program is an honors thesis, A499, normally written during the senior year under the supervision of a faculty member in history of art. This course work is in addition to the 30 credit hours required of the regular major.

Eligible and interested students should consult the chairperson of the history of art honors program.

### 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, Franklin Hall 303, (812) 855-9304.

### 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.

**Requirements** Students must complete at least 33 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, computer art, and printmaking. The three-dimensional disciplines are: ceramics, fibers, metalworking and jewelry design, and sculpture.)
4. 12 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. Art history courses A101 or A160, and A102.
6. Two courses in art history 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 122 credit hours required for the B.A. degree.

### Minor in Studio Art

**Requirements** Students must complete five courses in studio with a C– or higher, including:

1. F100.
2. F101 or F102.
3. Three additional courses in studio art above the 100 level (two of which must be completed on the Bloomington campus).

### Major in Studio—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.

**Requirements** 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, computer art, and printmaking. The three-dimensional disciplines are: ceramics, fibers, metalworking and jewelry design, and sculpture.)
4. Additional credit hours, prescribed by the director of the area in which the degree is taken, to total 62 credit hours of studio work, including both two-dimensional and three-dimensional disciplines.
5. Final portfolio review (G400).
6. Art history courses A101 or A160, and A102.
7. Two courses in art history at the 300-400 level.

Students must complete the 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.”

### 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 a portfolio consisting of representative work from each area (e.g., painting, sculpture, etc.) for which transfer credit is desired. It should include both studies and finished work. Some studio areas accept slides or photographs in lieu of actual objects. The portfolio should be as complete as possible.

### Double Major in History of Art and Studio Art

**Requirements** 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.

### Course Descriptions

#### *Courses for the Nonmajor*

**H100 Art Appreciation (3 cr.) 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. I Sem. II Sem.

**A108 Art of the Western World (3 cr.) S & H** Western art from ancient Greece through the present day, focusing on major artists and artwork of western culture, stressing underlying social, cultural, and historical circumstances for each period. Does not count toward the fine arts major. Credit given for only one of A108 or H100.

**H150 History of Comic Book Art (3 cr.) A & H** The history of comic art and its influence on our culture. Does not count towards the fine arts major.

**A234 Renaissance Florence (3 cr.) A & H, CSA** A survey of the interrelationships between Florentine artistic and literary culture between 1300 and 1530. Major emphasis on Boccaccio, Giotto, Masaccio, Donatello, Lorenzo de' Medici, Leonardo da Vinci, Guicciardini, Machiavelli, and Michelangelo.

**A290 Architecture for Planet Earth (3 cr.) 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.

### *History of Art*

#### **Introductory Courses**

**A101 Ancient and Medieval Art (3 cr.) S & H** A survey of major styles and monuments in art and architecture from prehistoric times to the end of the Middle Ages. I Sem.

**A102 Renaissance through Modern Art (3 cr.) S & H** A survey of major artists, styles, and movements in European and American art and architecture from the fifteenth century to the present. II Sem.

**A150 African, New World, and Oceanic Art (3 cr.) S & H** Arts of the non-Western world outside the Orient.

**A160 Introduction to East Asian Art (3 cr.) A & H, CSA** A survey of major monuments, artists, and movements in Chinese and Japanese art.

**A200 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.

#### **Classical Art**

**A206 (CLAS C206) Classical Art and Archaeology (3 cr.) A & H, CSA** 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.

**A210 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.

**A214 Art and Life in Ancient Rome (3 cr.) S & H, CSA** Thematic exploration of the art and architecture of ancient Rome with a focus on the relationship between art and society during the imperial period.

**A310 Topics in Ancient Art (3 cr.) 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.

**A311 The Art of the Classical Age of Greece (3 cr.) S & H, CSA** Architecture, sculpture, and painting in the fifth and fourth centuries B.C.

**A312 The Art of the Roman Empire from Augustus to Constantine (3 cr.) S & H** Emphasis on architecture and sculpture, with some consideration of wall painting.

**A313 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.

**A314 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.

**A316 Ancient Art from Alexander the Great to Augustus (3 cr.) A & H** The visual arts flourished under Alexander the Great and the Hellenistic Kings that succeeded him; some of our best-known Greek artworks, such as the Laocoon, the Victory of Samothrace, and the Great Altar at Pergamon, were created during this period. This period also saw the rise of Rome as an important Mediterranean power. This course will survey the architecture and art (including sculpture, painting, mosaics, and minor arts) of the Hellenistic and Roman Republican periods.

**A410 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 6 credit hours.

**A412 (CLAS C412) The Art and Archaeology of the Aegean (3 cr.) A & H** P: junior standing. R: one course in ancient art or archaeology. 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.

**A413 (CLAS C413) The Art and Archaeology of Greece (3 cr.) A & H** P: junior standing. R: one course in ancient art or archaeology. 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.

**A414 (CLAS C414) The Art and Archaeology of Rome (3 cr.) A & H** P: junior standing. R: one course in ancient art or archaeology. 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.

**A415 Roman Painting (4 cr.) 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 79 A.D.

**A416 Greek Architecture (4 cr.)** P: A412, A413, or consent of instructor. The development of Greek architecture from the ninth to the first century B.C.

**A417 Roman Sculpture (4 cr.) S & H** P: A101, A312, A314, A414, or consent of instructor. Analytical survey of Roman sculpture from the late Republic through the early fourth century A.D. Emphasis on historical reliefs, portraiture, and sarcophagi.

**A418 Roman Architecture (4 cr.)** P: A312, A414, A416, or consent of instructor. The formation and development of Roman architecture from the second century B.C. to the middle of the fourth century A.D.

### Medieval Art

**A226 Survey of Medieval Art (3 cr.) A & H, CSA** Origins and development of the architecture, and especially the sculpture and painting, of the period from Constantine the Great (300 A.D.) to the fall of Constantinople in 1453 in the Byzantine East and the beginning of the Renaissance in the Latin West.

**A321 Early Medieval Art (3 cr.) S & H, CSA** Survey of western European art from the barbarian migrations (fourth century) until the Romanesque (eleventh century), with emphasis on the age of Charlemagne (768-814).

**A322 Romanesque and Gothic Art (3 cr.) 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.

**A323 Illuminated Manuscripts in the Middle Ages: Form, Function, and Audience (3 cr.)**

**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.

**A324 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.

**A325 Medieval Architecture (3 cr.) S & H**

A survey of architecture from the early Christian period to the Renaissance, combining a consideration of the historical aspects of building in economic terms, the planning and execution of monuments, and the question of style in architecture.

**A329 Topics in Medieval Art (3 cr.) A & H**

Special topics in the history and study of Medieval art. May be repeated for a total of 6 credits.

**A421 Early Christian Art (4 cr.) S & H**

Intensive analysis of major monuments of Christian art from its origins to the seventh century in both the Latin West and the Greek East.

**A423 Romanesque Art (4 cr.) 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.

**A424 Gothic Art (4 cr.) S & H** Origins and development of the architecture, sculpture, and painting of the Gothic period, from the twelfth to the fifteenth century in England, France, Germany, and Italy. Emphasis on the cathedral.

**A425 Byzantine Art (4 cr.) S & H P:** A101 or consent of instructor. The development of Byzantine art and architecture from the seventh to fifteenth century, including Russia, Serbia, and Italy.

**A426 The Medieval City (4 cr.) 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****A231 The Age of Giants: Art in the Time of Leonardo and Michelangelo (3 cr.) A & H,**

**CSA** 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.

**A233 Renaissance and Baroque Art in Italy**

**1250-1700 (3 cr.) S & H, CSA** 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.

**A330 Art of Renaissance and Baroque (3 cr.)**

**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.

**A331 Fourteenth- and Fifteenth-Century Art in Italy (3 cr.) S & H**

Survey of painting, sculpture, and architecture.

**A332 Sixteenth- and Seventeenth-Century Art in Southern Europe (3 cr.) S & H P:**

A102. Beginnings of baroque style and the pictorial traditions, which spread from Italy to Spain and France.

**A333 From Van Eyck to Vermeer (3 cr.) 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.

**A334 High Renaissance and Mannerism: Italian Art, 1490-1590 (3 cr.) S & H**

Painting, sculpture, and architecture in Italy, 1490-1590. Course work and lectures will center around the works of major artists active in Florence, Rome, and Venice (such as Michelangelo, Raphael, and Titian). Students will learn to analyze art critically in relation to its socio-economic and religious context.

**A335 Baroque Art in Italy, 1580-1700 (3 cr.)**

**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, socio-economic conditions, and religion on artistic practice.

**A337 Age of Rubens and Rembrandt (3 cr.) S & H, CSA P:** A102. Baroque art in northern Europe of the sixteenth and seventeenth century, emphasizing the art and culture of the Netherlands.

**A432 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 (Pontormo, Rosso, Bronzino, Parmigianino) and the warm, painterly naturalism of Venice (Giorgione, Titian).

**A436 Italian Art of the Fifteenth Century (4 cr.) 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.

**A437 Early Netherlandish Painting (4 cr.) S & H** Flemish, French, and German painting of the fifteenth century.

#### **Art of the Modern World**

**A340 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. Credit given for only one of A350 and A340.

**A341 Nineteenth-Century European Art (3 cr.) 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.

**A342 Twentieth-Century Art (3 cr.) S & H, CSB 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.

**A345 American Art to 1913 (3 cr.) S & H** American architecture, sculpture, painting, photography, and graphics from seventeenth century to the Armory Show of 1913. Credit given for only one of the following: A345, A343, or Herron H345.

**A346 Roots and Revolution: Early Twentieth-Century Mexican Art (3 cr.) A & H, CSA** Critical analysis of painting, printmaking, and photography of Mexico from 1890 to 1950 in terms of political and cultural phenomena.

**A347 Picasso (3 cr.) A & H** A survey of the different phases of Picasso's career, the artistic milieu in which he worked, and the critical approaches that have been taken to his art.

**A348 American Architecture (3 cr.) 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.

**A349 Dada and Surrealism (3 cr.) A & H** An examination of the Dada Surrealism project, in particular the critique of established forms of art making; also the historical background, intellectual sources, and social and political goals of the two movements.

**A440 Nineteenth-Century Painting (4 cr.) CSB P:** any 300-level course in art history, or consent of instructor. Major painters of the romantic era in western Europe. Focus on cultural and intellectual milieu of each artist.

**A441 Nineteenth-Century Painting II (4 cr.) CSB 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.

**A442 Twentieth-Century Art 1900-1924 (4 cr.) CSB P:** A341 or A342. European artists and movements of the first part of the twentieth century: symbolism, fauvism, expressionism, cubism, etc., for painting, and art nouveau, de Stijl, Bauhaus, Sullivan, and early Wright for architecture.

**A443 History of 20th Century Photography (4 cr.) 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.

**A445 American Art to 1860 (4 cr.) 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.

**A446 American Art, 1860-1900 (4 cr.) P:** A341, A342, or consent of instructor. History of art in the United States from the end of the Civil War to the turn of the twentieth century.

**A447 Modernism and Anti-Modernism in American Art, 1900-1945 (4 cr.) 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.

**A449 Twentieth-Century Art, 1925-1970 (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.

**A450 History of Photography (4 cr.)** 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.

**A480 Russian Art (3 cr.)** S & H, CSA 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.

#### **Art of Africa, Oceania, and Pre-Columbian America**

**A250 Introduction to African Art (3 cr.)** A & H, CSA 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.

**A350 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. Credit given for only one of A340 or A350.

**A351 Art of the South Pacific (3 cr.)** S & H, CSA 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.

**A352 Art of Eastern and Southern Africa (3 cr.)** S & H, CSA 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.

**A356 Art of Central Africa (3 cr.)** A & H, CSA 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.

**A452 Art of Pre-Columbian America (3-4 cr.)** S & H, CSA Survey of precontact arts of the Americas south of the Rio Grande. Emphasis on sculptural, architectural, and ceramic arts of ancient Mexico and Peru.

**A453 Art of Sub-Saharan Africa I: Arts of Africa's Western Sudan (4 cr.)** S & H, CSA 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.

**A454 Art of Sub-Saharan Africa II: Arts of the West African Coast (4 cr.)** S & H, CSA 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.

**A455 Art, Craft, and Technology in Sub-Saharan Africa (4 cr.)** CSA History of arts of utility with emphasis on their technological and contextual setting.

**A458 Topics in the Ethnographic Arts (3 cr.)** 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**

**A262 Introduction to Japanese Art and Culture (3 cr.)** S & H, CSA 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.

**A327 Survey of Islamic Art (3 cr.)** S & H, CSA Architecture, sculpture, and painting of Islam from its origins in the Fertile Crescent to the nineteenth century.

**A360 Topics in East Asian Art (3 cr.)** A & H, CSA 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.

**A464 Art and Archaeology of Early China (4 cr.)**

**S & H, CSA** 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.

**A466 Early Chinese Painting (4 cr.) S & H,**

**CSA** Chinese painting and pictorial art from the Bronze Age to the end of the Sung dynasty (1279 A.D.): 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.

**A467 Later Chinese Painting (4 cr.) S & H,**

**CSA** Chinese painting from the Yuan dynasty (1279-1368 A.D.) 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**

**A276 Eye of the Beholder: Art and Perception**

**(3 cr.) 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.

**A471 Art Theory I (4 cr.) 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.

**A472 Art Theory II (4 cr.) 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 credits.

**A473 Art Theory III (4 cr.) 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.

**A474 Art Theory IV (4 cr.) 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.

**General**

**A300 Topics in Art History (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.

**A372 History of Portraiture (3 cr.) S & H**

Interpretive analysis of portraiture from ancient Egypt to the seventeenth century in western Europe.

**A390 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.

**A391 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.

**A396 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.

**Y398 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.

**A400 Senior Seminar (4 cr.)** Intensive

examination of selected topics in art history. Open only to art history majors or with consent of instructor. May be repeated once with a different topic.

**A476 History of Print (4 cr.) 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, Glotzius, Rembrandt, Goya, etc.

**A481 The Worlds of Art History: Academic, Museum, Commercial (4 cr.)** P: Art History juniors and seniors. An introduction for art history majors to the three main realms of the professional art historian: Academia (colleges and universities), Museums, and Commerce (galleries, auction houses, appraisal, and corporate work). Exploration of the various ways in which art historical skills and knowledge prepare one for interesting and rewarding careers. Field trips required.

**A490 Topics in Art History (4 cr., 12 cr. max.)** 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.

**A495 Readings and Research in Art History (1-4 cr., 8 cr. max.)** P: Consent of instructor. May be repeated for a total of 8 credit hours.

**A499 Senior Honors Thesis (3 cr.)** P: Approval of departmental honors committee.

## Studio

### Introductory Courses

**F100 Fundamental Studio—Drawing (3 cr.)** 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.

**F101 Fundamental Studio—3D (3 cr.)** 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.

**F102 Fundamental Studio—2D (3 cr.)** 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.

**N110 Introduction to Studio Art for Nonmajors (3 cr.)** A & H Introduces nonmajors to the elements and principles of visual language. Students will explore drawing, two-dimensional and three-dimensional design. Development of compositional skills that will result in a more sensitive visual aesthetic and sensibility. For nonmajors who are exploring practice in the visual arts.

### Ceramics

**S260 Ceramics I (3 cr.)** A & H P: F100, F101, and F102. A limited introduction to handbuilding, throwing, glaze mixing, and glaze application, including lectures on basic ceramic techniques. Critiques of student work.

**S361 Ceramics II (3 cr.)** A & H P: S260. Continued practice in forming and glazing, with the emphasis on wheel throwing, surface decoration, and kiln firing techniques. Lectures and critiques. May be repeated once.

**S461 Ceramics III (cr. arr.)** P: 6 credit hours in ceramics or consent of the instructor. Further practice in ceramic techniques. Lectures and critiques. Topics vary with the instructor and/or year. Consult the online *Schedule of Classes* for current information on content. May be repeated for credit with different topics and/or instructor for a total of 20 credit hours.

**S462 B.F.A. Ceramics (cr. arr.)** P: Consent of the instructor. Continuing opportunity for extensive practice in ceramic studio techniques. Body preparation. May be repeated for a total of 60 credit hours.

**S469 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.

**R478 History of Ceramics (3 cr.)** Study of the history of ceramics of the world, covering Near Eastern, Greek, Chinese, Japanese, and American ceramics. Emphasis on the historical development of pottery and individual cultures, as well as how one culture's pottery has influenced another. No credit in history of art.

### Digital Art

**N130 Digital Imagery for Nonmajors (3 cr.)** Introduces nonmajors to the fundamental practice of employing digital imagery in art production. Covers Photoshop, issues of scanning, resolution, content creation, image optimization and digital output. The class is also a survey on contemporary imaging artist, and helps students relate art and technology to the visual culture in which they reside.

**T230 Computer Art: Survey and Practice (3 cr.)** 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.

**T320 Video Art (3 cr.)** A & H P: F100, F101 or F102; 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.

**T330 Interactive Multimedia (3 cr.)** P: FINA T230. Study of the principles and fundamental techniques for creating multimedia projects that explore their potential for critical artistic expression. Examines the production issues that are specific to “on-screen” interactive venues. Tools such as Flash, Dreamweaver, and other supporting programs will be covered.

**T338 Special Topics in Digital Media (3 cr.)** Special topics in computer-related art production. May be repeated for a maximum of 6 credit hours.

**T340 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.

**T420 Digital Video (3 cr.)** P: FINA 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.

**T430 Advanced Multimedia (3 cr.)** P: FINA T330. Covers a broad range of aesthetic and conceptual issues relating to digital material and electronic interactivity. Students develop experimental narratives based on digital multimedia, video, hypertext or the incorporation of object-based media such as kinetic sculpture and installation. Group research and presentations on related topics are required.

**T439 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.

**T440 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, web sites and alternative spaces.

### Drawing

**S200 Drawing I (3 cr.)** 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.

**S301 Drawing II (3 cr.)** 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.

**S401 Drawing III (cr. arr.)** P: S301. Advanced drawing. Continuation of S301. May be repeated for a total of 20 credit hours.

**S403 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 3-D mass conception, bone and muscle description, and joint description. Students draw from the skeleton, plaster cadaver casts, and the human figure.

**S405 B.F.A. Drawing (cr. arr.)** Concentrated tutorial in the drawing craft. Craftsmanship, content, and personal style are stressed. May be repeated for a total of 60 credit hours.

### Textiles

**S220 Textile Design I (3 cr.)** A & H P: F100, F101, and F102, or consent of instructor. An introduction to image making with fiber processes. This survey course investigates a variety of materials and processes with the emphasis on their expressive potential. The surface design techniques include textile printing with stamps and solid and resist dyed techniques. Constructed techniques include loom weaving and hand-manipulated fiber structures.

**S321 Textile Design II – Woven and Constructed (3 cr.)** A & H P: S220.

An exploration of constructed textiles using loom and non-loom techniques. Students will have the opportunity to explore and master several techniques in depth and investigate the creative potential of each. Specific technique and project choices, selected from a broad range of historical and contemporary approaches, will be presented each semester. May be repeated for a maximum of 6 credit hours.

**S325 Textile Design II – Printed and Dyed (3 cr.)** A & H P: S220. An exploration of methods of applying dyes and pigments in pre-woven cloth with emphasis on the development of personal images. Specific projects, changing each semester, will offer new approaches to applying color, texture, and construction to fabric. Students will have the opportunity to explore and master several techniques in depth and to investigate the potential of each. May be repeated once for credit.



**S412 B.F.A. Printed and Dyed Textile Design (cr. arr.)** Directed study in textiles. May be repeated for a total of 60 credit hours.

**S421 Textile Design III – Woven and Constructed (cr. arr.)** P: S321. A continued exploration of woven and constructed textiles with an emphasis on independent investigation and production. May be repeated for a maximum of 20 credit hours.

**S422 B.F.A. Textile Design (cr. arr.)** Directed intensive study in textile design. May be repeated for a total of 60 credit hours.

**S425 Textile Design III – Printed and Dyed (cr. arr.)** P: S325. A continued exploration of printed and dyed textiles with an emphasis on independent investigation and production. May be repeated for a total of 20 credit hours.

### Graphic Design

**S250 Introduction to Design Practice (3 cr.)** 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.

**S351 Typography and the Integration of Imagery (3 cr.)** A & H P: S250 and consent of instructor. Studies in visual communication concentrating on typography as it relates to other design elements in practical design application. Processes include idea development and computer refinement.

**S352 Production for the Graphic Designer (3 cr.)** 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.

**S451 Graphic Design Problem Solving (cr. arr.)** 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.

**S452 B.F.A. Graphic Design (cr. arr.)** 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.

**S459 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

**S280 Metalsmithing and Jewelry Design I (3 cr.)** A & H P: F100, F101, and 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.

**S381 Metalsmithing and Jewelry Design II (3 cr.)** A & H P: S280 Extensive drawing, designing, and model making for exploring forms and ideas in metal and mixed media, either as jewelry, hollow ware, flatware, boxes, or small-scale sculpture. Focuses on techniques of angle raising, repoussé and chasing, forging of flatware, stone setting, and lost-wax casting. May be repeated for a maximum of 6 credit hours.

**S481 Metalsmithing and Jewelry Design III (cr. arr.)** P: S381. Improves and expands knowledge and skill in metalsmithing and jewelry design. Advanced techniques include patination of metals, surface embellishments, stone setting, chain making, and advance metal finishing. Guidance toward developing a personal artistic aesthetic and philosophy. May be repeated for a total of 20 credit hours.

**S482 B.F.A. Metalsmithing and Jewelry Design (cr. arr.)** P: B.F.A. major, formal review of work. Directed study in metal leading to the development of a professional portfolio and a B.F.A. exhibition. May be repeated for a total of 60 credit hours.

**S485 B.F.A. Metalsmithing Seminar (1 cr.)** P: B.F.A. major. Weekly or bi-weekly seminar that includes critiques of students' work, discussion of special topics, slide lectures, technical demonstrations, visiting artist lectures, and special research projects. May be repeated for a total of 10 credit hours.

### Painting

**S230 Painting I (3 cr.)** 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.

**S331 Painting II (3 cr.)** 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.

**S431 Painting III (cr. arr.)** P: S331. Advanced course in painting. Continuation of S331. May be repeated for a total of 20 credit hours.

**S432 B.F.A. Painting (cr. arr.)** 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.

**S439 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

**N198 Introduction to Photography for Nonmajors (3 cr.)** A & H For those who use automatic and snapshot cameras but do not require darkroom expertise. Covers basic camera operation, film choice, composition, color, lighting, visual communication, and aesthetics. Considers journalism, commercial, and fine art photography. Also discusses home video and new imaging technology. A 35mm camera required. Assignments completed on slide film.

### S291 Fundamentals of Photography (3 cr.)

A & H Basic practice of camera operation, exposure calculation, exposing, printing, and enlarging monochrome photographs. Guidance toward establishment of a personal photographic aesthetic.

**S392 Intermediate Photography (3 cr.)** 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.

**S490 Advanced Photography I (3 cr.)** P: S392 and consent of instructor. May be repeated for a total of 60 credit hours.

### S491 Advanced Photography II (cr. arr.)

P: S392 and consent of instructor. May be repeated for a total of 20 credit hours.

**S492 B.F.A. Photography (cr. arr.)** May be repeated for a total of 60 credit hours.

### Printmaking

**S240 Basic Printmaking Media (3 cr.)** A & H P: F100, F101, and F102; or consent of instructor. 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.

**S341 Printmaking II—Intaglio (3 cr.)** A & H P: S240. Advanced study with emphasis on intaglio. Problems in pictorial composition and drawing stressed.

**S343 Printmaking II—Lithography (3 cr.)** A & H P: S240. Advanced study with emphasis on lithography. Problems in pictorial composition and drawing stressed.

**S344 Printmaking II—Silk Screen (3 cr.)** A & H P: S240. Advanced study with emphasis on silk screen. Problems in pictorial composition and drawing stressed.

### S441 Printmaking III—Intaglio (cr. arr.)

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.

**S442 B.F.A. Printmaking (cr. arr.)** Directed study in printmaking. May be repeated for a total of 60 credit hours.

### S443 Printmaking III—Lithography (cr. arr.)

P: S343. Advanced work in lithography for qualified students. Also open for non-M.F.A. printmaking students on the graduate level. May be repeated for a total of 20 credit hours.

### S444 Printmaking III—Silk Screen (cr. arr.)

P: S344. Advanced work in silk screen for qualified students. Also open for non-M.F.A. printmaking students on the graduate level. May be repeated for a total of 20 credit hours.

### S445 Relief Printmaking Media (1-3 cr.)

A & H 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.

### S449 B.F.A. Printmaking Seminar (1 cr.)

P: Open to B.F.A. printmakers only. Required each semester. Special projects, critiques, and artists lectures, related to the field of printmaking. Historical, technical, and conceptual issues will be discussed. May be repeated with different topics for a total of 10 credit hours.

### Sculpture

#### S270 Sculpture I (3 cr.)

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.

**S271 Introduction to Figurative Sculpture (3 cr.) 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.

**S371 Sculpture II (3 cr.) A & H** Development of skills in both traditional and contemporary sculpture methodology. Rotating semester topics include figurative sculpture, casting, steel/wood construction, 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 once.

**S471 Sculpture III (cr. arr.)** 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.

**S472 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.

**S479 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

**G400 B.F.A. Final Review (no credit)**  
Final portfolio review for B.F.A. program.

**U400 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.

**U401 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.

**U402 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.

**R408 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.

**U450 Independent Studio Projects (cr. arr.; 12 cr. max.)** Individual studio projects under guidance of faculty member or committee. Does not fulfill a specific course requirement for a fine arts major.

# Folklore and Ethnomusicology

## Faculty

**Chairperson** Distinguished Professor Richard Bauman

**Director, Folklore Institute** Distinguished Professor Richard Bauman

**Director, Ethnomusicology Institute** Portia Maultsby

**College Professor** Henry Glassie

**Distinguished Professors** Richard Bauman, Linda Dégh (Emerita)

**Laura Boulton Professor** Ruth Stone

**Professors** Mary Ellen Brown (Emerita), Sandra K. Dolby, Hasan El-Shamy, William Hansen (Emeritus, Classical Studies), Roger L. Janelli, George List (Emeritus, Ethnomusicology), Portia Maultsby, John H. McDowell

**Associate Professors** Mellonee Burnim, John W. Johnson, Gregory Schrempf, Beverly J. Stoeltje (Anthropology)

**Assistant Professors** Judah Cohen (Jewish Studies), Jason Jackson, Daniel Reed, David Shorter, Pravina Shukla

**Adjunct Professors** John Bodnar (History), Raymond DeMallie (Anthropology), Anya Peterson Royce (Anthropology)

**Adjunct Associate Professor** Stephanie C. Kane (Criminal Justice), Iris Rosa (African American and African Diaspora Studies)

**Adjunct Assistant Professors** Michael Evans (Journalism), Jane E. Goodman (Communication and Culture), Lynn M. Hooker (Hungarian Studies), Charles Sykes (Music, African American and African Diaspora Studies)

**Associate Scholar** Inta Gale Carpenter

**Academic Specialist** Alan Burdette

**Senior Lecturer** Sue Tuohy

**Lecturer** Fernando Orejuela

**Academic Advising** 504 N. Fess Avenue, (812) 855-0389

## Introduction

Folklore and ethnomusicology study explores the ways in which people make use of tradition in daily life as well as in times of crisis, celebration, and change. It explores the dynamics of tradition and creativity in society. Combining the perspectives of the humanities and social sciences, folklorists examine processes of individual creativity and of communication in diverse social and cultural settings throughout the world. Folklorists study the ways in which human beings seek understanding and involvement through the shaping of tradition to fit new and challenging circumstances. Students use ethnographic, literary, historical,

and cultural studies methods to understand higher the meanings and uses of folklore forms in rural, urban, past, and present settings.

The undergraduate program in the Department of Folklore and Ethnomusicology (FOLK) reflects the breadth of folklore study and its links to the arts, area studies, and other cultural disciplines. Courses offer analyses of the forms and occasions of folklore performance, the folklore of specific countries and regions, theories and methods of inquiry, human diversity and worldview, and the relevance of folklore study to other fields. Ethnomusicology, the study of music in culture, is a special concentration within the folklore department. Many courses fulfill distribution and culture studies requirements. There are opportunities for direct student-faculty contact through individual and collaborative research projects such as fieldwork projects, specially designed readings courses, practical experience through internships in arts and cultural organizations, and team research. Students may make use of the department's state-of-the-art laboratory for sound-video analysis and production.

## Major in Folklore

**Purpose** The major provides students with a liberal arts background, preparing them 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 director plan an individualized program of study. Majors may focus on either ethnomusicology or folklore, a specific world area, or on such tracks as cultural conservation, and documentation of artistic performance.

**Requirements** Students must complete a minimum of 30 credit hours in folklore and ethnomusicology courses, including:

1. Two 300-level courses.
2. F401.
3. F497.
4. One additional 400-level course.
5. A maximum of 6 credit hours at the 100 level.
6. A maximum of two approved courses from other disciplines for students completing a single major in folklore. Students completing a double major must consult with advisors in each major regarding stipulations.

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 folklore are the same as those of the single major.

### Minor in Folklore

Students must complete at least 15 credit hours in folklore and ethnomusicology courses, including:

1. One 300-level course.
2. F401.
3. Three additional courses with no more than two at the 100 level.

### Course Descriptions

**Note:** Prerequisites for any 300- or 400-level course will be indicated in the online *Schedule of Classes* when the course is offered. If no prerequisite or special permission is indicated, the student may assume none is required.

#### F101 Introduction to Folklore (3 cr.) 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.

#### F111 World Music and Culture (3 cr.) 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.

#### F121 Introduction to Folklife (3 cr.) A & H

The idea of folk culture provides a critical and historical means for evaluating and comprehending the human condition in the modern world. Through looking at folk cultures from different places, internationally, and by examining the ways in which culture is made manifest, especially on the landscape, in architecture and arts, this course provides an introduction to the idea of folklife.

#### F131 Introduction to Folklore in the United States (3 cr.) 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.

#### F205 Folklore in Video and Film (3 cr.)

**A & H, TFR** 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.

#### F210 Myth, Legend, and Popular Science (3 cr.)

**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.

#### F215 Health and Morbidity in Traditional Cultures (3 cr.) 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 (Moslem, Christian, and Jewish). A student may conduct research on a traditional community in any part of the world.

#### F225 Forms of Commemoration (3 cr.) 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.

#### F230 Music in Social Movements (3 cr.)

**S & H** Examines music in socio-political 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.

#### F235 Personal Narratives: A Course in Folklore and Literature (3 cr.) 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.

#### F252 Folklore and the Humanities (3 cr.)

**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.

#### F253 Folklore and the Social Sciences (3 cr.)

**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.

#### F290 Myth, Ritual, Symbol (3 cr.) 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.

**F301 African Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F305 Asian Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F307 Middle Eastern Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F308 Middle Eastern and Arab Mythology (3 cr.) 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 and Moslem groups. (Other groups may be selected for the student's research. Arabic language may be selected on individual basis for reading/research).

**F312 European Folklore/Folklife/Folk Music (3 cr.) A & H, CSB** 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.

**F315 Latin American Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F320 Pacific Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F351 North American Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F352 Native American Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F353 Native American Film and Video (3 cr.) S & H, CSA** 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 response to both mediums critically.

**F354 African American Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F356 Chicano Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F358 Jewish Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F360 Indiana Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F361 Traditional Arts Indiana: Documenting Indiana Traditions (3 cr.) CSA** 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.

**F363 Women's Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F364 Children's Folklore/Folklife/Folk Music (3 cr.) A & H, CSA** 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.

**F369 Aliens, Psychics, and Ghosts (3 cr.) 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.

**F389 Hip-Hop Music and Culture (3 cr.) A & H, CSA P:** Junior or senior standing. Examines rap music as artistic and sociological phenomena with emphasis on its historical and political contexts. Discussions include the coexistence of various rap styles, their appropriation by the music industry, and controversies resulting from the exploitation of hard core rap as a commodity for national and global consumption.

**F400 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.

**F401 Methods and Theories (3 cr.) 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.

**F402 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.

**F403 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.

**F404 Topics in Folklore/Folklife/Folk Music (3 cr.) 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.

**F405 Studying Ethnomusicology (3 cr.) 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.

**F410 Multimedia in Ethnomusicology (3 cr.) 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.

**F420 Forms of Folklore/Folklife/Folk Music (3 cr.) 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.

**F430 Folklore and Related Disciplines (3 cr.) 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.

**F440 Folklife and Material Culture Studies (3 cr.) 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.

**F450 Music in Religious Thought and Experience (3 cr.)** 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.

**F492 Traditional Musical Instruments (3 cr.)**

**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.

**F494 Transcription and Analysis of Traditional Music (3 cr.)**

**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.

**F497 Advanced Seminar (3 r.)** **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.

**Related Courses**

*African American and African Diaspora Studies*

A112 Black Music of Two Worlds (3 cr.)

**A & H, CSA**

A290 Sociocultural Perspective of Afro-American Music (3 cr.) **A & H, CSA**

A392 Afro-American Folklore (3 cr.) **A & H, CSA**

A489 Rap Music (3 cr.) **A & H, CSA**

A496 Black Religious Music (3 cr.) **A & H, CSA**

*Central Eurasian Studies*

U450 Turkish Oral Literature (3 cr.) **A & H**

*Classical Studies*

C205 Classical Mythology (3 cr.) **A & H, CSA**

C405 Comparative Mythology (3 cr.) **A & H**

## French and Italian

### Faculty

**Chairperson** Professor Andrea Ciccarelli

**Distinguished Professor** Peter Bondanella

**Rudy Professor** Rosemary Lloyd

**Professors** Julia Bondanella, Eileen Julien, Jacques Merceron, Emanuel Mickel, Sonya Stephens, H. Wayne Storey

**Associate Professors** Guillaume Ansart, Julie Auger, Laurent Dekydtspotter, Margaret Gray, Eric MacPhail, Barbara Vance

**Assistant Professors** Marco Arnaudo, Patrick Bray, Jérôme Brillaud, Oana Panaité, Kevin Rottet, Massimo Scalabrini, Rebecca Wilkin

**Lecturer** Kelly Sax

### Academic Advising French

Professor Emanuel Mickel, Ballantine Hall 621, (812) 855-8253

**Academic Advising Italian** Assistant Professor Massimo Scalabrini, Ballantine Hall 634, (812) 855-8044

### Introduction

The Department of French and Italian (FRIT) offers majors in both French and Italian leading to the B.A. degree. Information concerning placement and proficiency tests can be found in this bulletin by referring to "Foreign language, placement" in the index.

**Note:** No credit in the minor will be given for those courses listed in this bulletin as carrying no credit toward the major.

### Secondary Teacher Certification

Candidates for teaching certification should consult their academic advisor and the School of Education Undergraduate Program Bulletin. Students wishing to combine their French or Italian major with another discipline should consult with the undergraduate advisors.

### Major in French

**Requirements** Students must complete 29 credit hours in French courses above F100-F150 including:

1. F313
2. 6 credit hours from F305, F306, F361, F362, F363, F375
3. At least 11 credit hours in fourth-year courses, including at least two 3 credit hour courses taken on the Bloomington campus, exclusive of F495

The departmental course offerings permit French majors to emphasize French language courses, F313-F314, F315-F316, F474, F475; French literature courses, F305, F306, F375, F410 through F459; Francophone civilization courses, F361-F362, F363, F460 through F464; or any combination of the above.



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

### Minor in French

- 6 credit hours of F250/F255/F265 (3 credit hours) and F300 (3 credit hours).
- 9 credit hours of 300- and 400-level courses, including:
  - one course from the following: F305, F306, F361, F362, F363, or F375; and
  - one course from the following: F313, F315, or F316.

### Major in Italian

**Requirements** Students must complete 27 credit hours in Italian courses above M100-M150, including at least:

- 7 credit hours in fourth-year courses.
- One 3 credit hour fourth-year course taken on the Bloomington campus, exclusive of M495.

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

### Minor in Italian

**Requirements** At least 15 credit hours of course work past the second semester, including:

- M200 and M250.
- Two courses from among M300, M301, M305, M307, M308 (M315 and M316 may be substituted for M300 and M301).
- One course at the 400 level.

### Fields Related to French and Italian

English, German, Greek, Latin, Romanian, Russian, Spanish, archaeology, comparative literature, economics, fine arts, history, international studies, library science, linguistics, mathematics, music, philosophy, psychology, sociology, speech, theatre and drama, West European studies.

Students are reminded that they may combine a major in French or Italian with a business minor; see "Business Minor" in the "Index."

### 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 honors advisor.

### 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, see "Overseas Study Programs" in this bulletin or contact the Office of Overseas Study, Franklin Hall 303, (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 weekly French table and a French/Francophone film series each semester. Social and cultural events, such as an annual Mardi Gras party, are also organized by its members. For more information, please consult the departmental website at [www.indiana.edu/~frithome/undergrads/frhouse.shtml](http://www.indiana.edu/~frithome/undergrads/frhouse.shtml).

### 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. For further information see [www.indiana.edu/~frithome/undergrads/circolo.shtml](http://www.indiana.edu/~frithome/undergrads/circolo.shtml).

### Course Descriptions

*Courses in French Language, Literature, and Civilization*

**F100 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.

**F115 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.

**F125 Studies in French Culture (3 cr.) 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 in French major. May be repeated with a different topic for a total of 6 credit hours.

**F126 Studies in French Civilization (3 cr.)**

**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.

**F150 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, F169, or F491.

**F169 Elementary French II: Reading and Writing (4 cr.)**

**P:** F100. Introduction to French structures necessary for reading selected texts of a general nature. Not intended for students who wish to develop aural comprehension or to speak French. Cannot be used in French major. Credit given for only one of F115, F150, F169, or F491.

**F200-F250 Second-Year French I-II: Language and Culture (3-3 cr.)**

**P:** F150 or equivalent. Grammar, composition, conversation coordinated with the study of cultural texts. Credit given for only one of the following third-semester courses: F200, F205, or F219; and for only one of the following fourth-semester courses: F250, F255, F265, or F269.

**F205-F255 Second-Year French I-II:**

**Communicative Skills (3-3 cr.)** Continued study of grammatical structures with emphasis on active skills: speaking and writing. Readings and reports on contemporary cultural topics. Recommended for French majors. Credit given for only one of the following third-semester courses: F205, F200, or F219; and for only one of the following fourth-semester courses: F255, F250, F265, or F269.

**F219-F269 Second-Year French I-II:**

**Reading and Writing (3-3 cr.)** **P:** F169 or F150. Continuation of F169, with reading of additional texts and review of grammatical structures and vocabulary; written work including translation and résumés. Cannot be used in French major. Credit given for only one of the following third-semester courses: F219, F200, or F205; and for only one of the following fourth-semester courses: F269, F250, F255, or F265.

**F265 Accelerated Second-Year French (3 cr.)**

An accelerated treatment of material covered in both F200 and F250. Grammar, composition, and conversation coordinated with readings of short texts. Open only to incoming freshmen and to students who have completed F115. Students who complete F265 cannot also receive credit for F200, F205, F219, F250, F255, or F269.

**F296 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.

**F300 Reading and Expression in French**

**(3 cr.) A & H P:** F250, F255, 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.

**S300 Reading and Expression in French-Honors**

**(3 cr.) A & H P:** F250, F255, 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.

**F303 Theater and the Essay: Form, Themes,**

**and Ideas (3 cr.) A & H P:** F250, F255, F269, F300, or equivalent. Dramatists such as Corneille, Racine, Molière, Beaumarchais, and Sartre; essayists and philosophes such as Descartes, Pascal, Voltaire, Diderot, and Camus. Readings in French. Lectures and discussion in English. No credit for French major. Credit given for only one of F303 or F305.

**F304 Novel and Poetry: Form, Themes, and**

**Ideas (3 cr.) A & H P:** F250, F255, F269, F300, or equivalent. Novelists such as Balzac, Flaubert, and Proust; readings in anthologies stressing sixteenth-, nineteenth-, and twentieth-century poetry. Readings in French. Lectures and discussion in English. No credit for French major. Credit given for only one of F304 or F306.

**F305 Théâtre et essai (3 cr.) A & H P:**

F300 or equivalent. Drama and literature of ideas. Dramatists such as Corneille, Racine, Molière, Beaumarchais, and Sartre; essayists and philosophes such as Descartes, Pascal, Voltaire, Diderot, and Camus. Lectures and discussion in French. Credit given for only one of F305 or F303.

**F306 Roman et poésie (3 cr.) 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. Credit given for only one of F306 or F304.

**F310 Topics in French Literature in**

**Translation (3 cr.) A & H, CSB** Readings in English translation of novels, plays, essays, and poetry or other works that reflect a specific topic chosen by the instructor. No credit for French major.

**F311 Contemporary France: Film and Culture (3 cr.) A & H, CSB** Political, social, and cultural aspects (including film) of contemporary France. No credit for French major. Credit given for only one of F311 or F461.

**F313 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.

**F314 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.

**F315 Phonetics and Pronunciation (3 cr.) P:** F250. Five meetings per week: three lectures on problems of pronunciation and phonetic transcription, and two oral practice sessions.

**F316 Conversational Practice (3 cr.) P:** F250 or F255. Three meetings per week plus optional listening comprehension and oral practice in the language laboratory. Development of communicative and speaking skills.

**F317 French in the Business World (3 cr.) 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*.

**F333 Intensive Writing in French Culture (3 cr.) CSB** Emphasis on one topic, genre, or period. Fulfills both foreign culture and intensive writing requirements. No credit for French major.

**F350 The Writer and Public Issues in Twentieth-Century France (3 cr.) A & H, CSB** The modern writer's view and treatment of issues such as anti-Semitism, feminism, colonialism, capital punishment, criminal justice, Marxism, militarism, and pacifism. No credit for French major.

**F361 Introduction historique à la civilisation française I (3 cr.) A & H, CSA P:** F300 or equivalent. Readings related to the political and social development of France; background to a further study of French society and literature up to the French Revolution.

**F362 Introduction historique à la civilisation française II (3 cr.) A & H, CSB P:** F300 or equivalent. Readings related to the political and social development of France; background to a further study of French society and literature from the French Revolution.

**F363 Introduction à la France moderne (3 cr.) A & H, CSB P:** F300 or equivalent. The development of French culture and civilization in the twentieth century, with an emphasis on the events that shaped modern France, illustrative works of literature, the problem of Paris, and the structure of daily life.

**F375 Thèmes et perspectives littéraires (3 cr.) A & H, CSB 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 once for a maximum of 6 credit hours.

**F396 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.

**F399 Reading for Honors (12 cr. max.) 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, 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.

**F401 Structure and Development of French (3 cr.)** 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.

**F402 Introduction to French Linguistics (3 cr.) P:** F313 or F314 or consent of instructor. Introduction to the structure of the French language: phonology, morphology, and syntax.

**F410 French Literature of the Middle Ages (3 cr.) A & H, CSA** Introduction to Old French language and major literary works. Readings may be broadly representative of the period or reflect a particular thematic concern.

**F413 French Renaissance (3 cr.) A & H** Rabelais, Montaigne, the Pleiade, and others.

**F423 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.

**F424 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.

**F435 Enlightenment Narrative (3 cr.) 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.

**F436 Voltaire, Diderot, and Rousseau (3 cr.) 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.

**F443 Great Novels of the Nineteenth Century (3 cr.) A & H**  
Novelists such as Stendhal, Balzac, Flaubert, and Zola.

**F445 Nineteenth-Century Drama (3 cr.)**  
Survey of the important movements in nineteenth-century theatre: romanticism, realism and naturalism, symbolism.

**F446 Great Poetry of the Nineteenth Century (3 cr.) A & H**  
Poets such as Hugo, Desbordes-Valmore, Baudelaire, Rimbaud, and Mallarmé.

**F450 Colloquium in French Studies—Tradition and Ideas (3 cr.) A & H, CSA**  
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.

**F451 Colloquium in French Studies—Literature and Arts (3 cr.) A & H, CSB**  
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.

**F452 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.

**F453 Le Roman au 20e siècle I (3 cr.) A & H, CSB**  
Ecrivains tels que Gide, Alain-Fournier, Proust, Colette, Bernanos, Céline, Sartre, Malraux.

**F454 Le Roman au 20e siècle II (3 cr.)**  
Ecrivains tels que Camus, Queneau, Butor, Robbe-Grillet, Vian, Duras.

**F456 La Poésie au 20e siècle (3 cr.) A & H**  
Richness and diversity of twentieth century French poetry: poets such as Chérid, Apollinaire, Valéry, les surréalistes, Ponge, Saint-John Perse.

**F459 Le Théâtre au 20e siècle (3 cr.) A & H, CSB**  
Precursors of the non-realistic theater; playwrights to be included are Jarry, Apollinaire, and Cocteau. Surrealism; plays by Vitrac. Theater of ideas; playwrights are Anouilh, Giraudoux, Sartre. Theater of the absurd; playwrights are Beckett, Adamov, Arrabal, Ionesco, and Genet. Lectures and discussions in French.

**F460 La francophonie nord-américaine (3 cr.) A & H**  
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.

**F461 La France contemporaine: cinéma et culture (3 cr.) CSB**  
France since 1945: political, social, economic, and cultural aspects (including film). Course conducted in French. Credit given for only one of F311 or F461.

**F463 Civilisation française I (3 cr.) CSA**  
French civilization from medieval period through seventeenth century: art, architecture, music, thought.

**F464 Civilisation française II (3 cr.) CSB**  
French civilization from eighteenth century to contemporary period: art, architecture, music, thought.

**F467 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.

**F472 Contrastive Study of French and English (2 cr.) P:** F313-F314. A systematic study of the differing ways in which French and English express a given thought or relationship.

**F474 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.

**F475 Le Français oral: cours avancé (2 cr.)**  
P: F316 or equivalent.

**F495 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.

**F496 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. May be taken once only. Does not count as F400-level course in residence for major.

**F499 Reading for Honors (12 cr. max)**  
P: Approval of departmental honors committee. Does not count as F400-level course in residence for major.

*Courses in Italian Language, Literature, and Civilization*

**M100 Elementary Italian I (4 cr.)** Introduction to contemporary Italian conversation, grammar, reading, and elementary writing. Credit given for only one of the following: M100, M110, M115, or M491.

**M110 Italian Language for Opera Lovers (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.

**M115 Accelerated Elementary Italian (4 cr.)**  
P: Consent of department. An accelerated treatment of material covered in both M100 and M150 designed for superior students and students with previous language training. Credit given for only one of M115 and M100; credit given for only one of M115 or M150.

**M150 Elementary Italian II (4 cr.)**  
P: M100. Introduction to contemporary Italian conversation, grammar, reading, and elementary writing. Credit given for only one of the following: M110, M115, M150, or M491.

**M200 Intermediate Italian I (3 cr.)** P: M110, M115, M150, or equivalent. Intermediate study of contemporary Italian conversation, grammar, reading, and writing. Introduction to brief literary texts.

**M222 Topics in Italian Culture (3 cr.) A & H, CSA** 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. No credit for Italian major.

**M234 Florence in Florence (3 cr.) A & H, CSA** 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. Offered only through the Overseas Study summer program in Florence. Variable topic. No credit for Italian major.

**M235 Rome, the City and the Myth (3 cr.) A & H, CSB** 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. No credit for Italian major.

**M250 Intermediate Italian II (3 cr.)** P: M200 or equivalent. Intermediate study of contemporary Italian conversation, grammar, reading, and writing continued. Increased attention to the reading of literary texts.

**M300 Italian Conversation and Diction (3 cr.)**  
P: M250 or consent of instructor. For those who wish to acquire fluency in spoken Italian. Students who have taken M315 or M316 cannot also receive credit for M300.

**M301 Italian Reading and Expression (4 cr.)**  
P: M250 or consent of instructor. Introduces students to reading and discussing literary texts in Italian. Designed to improve students' written and oral proficiency in Italian, and to prepare them for subsequent 300-level work in Italian language, literature, and culture. Conducted entirely in Italian.

**M305 Civiltà italiana moderna (3 cr.) A & H, CSB** Interdisciplinary survey of modern Italian culture (history, art, music, film, and literature) from national unification to the present. Conducted in Italian.

**M306 Italian Short Stories from the Political Unification to the Present (3 cr.) A & H, CSB** Explores the Italian short narrative from the political unification of Italy (1861) to modernity. Analysis of short stories and tales by authors such as Banti, Primo Levi, Verga, Pirandello, Arrigo Boito, Elsa Morante, Calvino, and others. Class will be conducted in Italian.

**M307 Masterpieces of Italian Literature I (3 cr.) A & H, CSA** P: M301 or consent of instructor. To 1800.

**M308 Masterpieces of Italian Literature II (3 cr.)**

**A & H, CSB** P: M307 or consent of instructor. From 1800 to present.

**M333 Dante and His Times (3 cr.) A & H, CSA** Study of the cultural history, philosophy, theology, and poetics of the thirteenth century relating to Dante's works. Lectures, readings, and discussions dealing with Provençal poetry, courtly love, the origin of the sonnet, the poets before Dante. Dante's major works, *The New Life* and *The Divine Comedy*, will be analyzed and discussed. All readings in English. No credit for Italian major.

**M334 Power and Imagination in Renaissance Italy (3 cr.) A & H, CSA** Interdisciplinary approach to the interrelationship of Florentine Renaissance literature, social thought, and culture. Figures studied will include Alberti, Boccaccio, Cellini, Guicciardini, Machiavelli, Michelangelo, and Italian humanists. No credit in Italian.

**M340 Sex and Society in Boccaccio (3 cr.)**

**A & H, CSA** Close reading and intertextual study of Boccaccio's *Decameron* in its historical, economic, cultural, and literary contexts, with special attention to the formation of ideals and values in human society. Taught in English. No credit for Italian major.

**M345 Literature of Italian Renaissance Art (3 cr.) A & H, CSA**

A survey of the literature dealing with art in the Italian Renaissance in a variety of literary genres, including works by Michelangelo, da Vinci, Vasari, Alberti, Cennini, and Cellini. No credit for Italian major.

**M390 Studies in the Italian Film (3 cr.) A & H, CSB**

In-depth analysis of a major Italian art form as Italian culture. Emphasis on specific directors (Fellini, Pasolini, Visconti, Wertmüller, Bertolucci) or problems (literature and film, neorealism, politics and ideology, film comedy). May be repeated for a maximum of 6 credit hours with different topics.

**M391 Hollywood Italians (3 cr.) 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 Italy; ethnic stereotyping; and Hollywood Italian gangsters, Romeos, and Palookas. No credit for Italian major.

**M396 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.

**M403 Italian Renaissance Literature (3 cr.)**

**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.

**M435 Theatre Workshop (3 cr.) P:**

Junior or senior standing. A general survey on the development of Italian theatre from the Renaissance to our time. Several works will be read and discussed either entirely or in part. As a special project, students will stage and act in an assigned play or drama.

**M445 Risorgimento (3 cr.) A & H, CSA**

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.

**M446 Nineteenth-Century Italian Literature (3 cr.) 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.

**M450 Seminar in Italian Literature (up to 6 cr.)**

**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.

**M453 Twentieth-Century Italian Literature and Culture (3 cr.) 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. Credit given for only one of M453 or M454.

**M455 Readings in the Italian Cinema (3 cr.)**

**A & H P:** Any film course, or consent of instructor, and reading knowledge of Italian. Analysis of specific movements, topics, or directors in Italian cinema. Attendance of film series for M390 required. Subject may vary with each listing and is identified in the online *Schedule of Classes*. May be repeated once for credit.

**M456 Il Decadentismo Italiano (3 cr.) 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.

**M463 Contemporary and Popular Italian Culture (3 cr.) A & H, CSB**

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.

**M474 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. Credit given for only one of M474 or M465.

**M495 Individual Readings in Italian Literature (2-3 cr.)**

P: M200-M250 or consent of instructor. May be repeated.

**M496 Foreign Study In Italian (3-8 cr.)**

P: Consent of chairperson or undergraduate advisor for Italian. 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. May be repeated with different topics up to a maximum of 8 credit hours. Does not count as M400-level course in residence for major.

**M499 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***F491 Elementary French for Graduate Students (4 cr., undergrad.; 3 cr., grad.)**

Introduction to structures 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. Credit given for only one of F491 or any French course at the 100 level.

**F492 Readings in French for Graduate Students (4 cr., undergrad.; 3 cr., grad.)**

P: F491 or consent of department. Continuation of language and reading development from F491. Open with consent of the instructor to undergraduates who have already completed the B.A. language requirement in another language. Credit given for only one of F492 or any of the following: F150, F169, F200, F205, or F219.

**M491 Elementary Italian for Graduate Students (4 cr.)**

Introduction to the structures 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. Credit given for only one of M491 and any Italian course at the 100 level.

**M492 Readings in Italian for Graduate Students (4 cr.)**

P: M491 or consent of department. Continuation of language and reading development from M491. Open with consent of the instructor to undergraduates who have already completed the B.A. language requirement in another language. Credit not given for both M492 and either of the following: M150 or M200.

# Gender Studies

## Faculty

**Chair** Professor Suzanna Walters

**Martha C. Kraft Professor of Humanities**  
Fedwa Multi-Douglas (Adjunct, School of Law)

**Peg Zeglin Brand Chair** Helen Gremillion  
(Adjunct, Anthropology, American Studies,  
Cultural Studies)

**Director of Graduate Studies**  
Helen Gremillion

**Founding Professor** M. Jeanne Peterson  
(Emerita, History)

**Professors** Judith Allen (History), Fedwa  
Multi-Douglas (Adjunct Law), Suzanna Walters  
(Adjunct, Sociology, Communication and  
Culture), Rick Wilk (Anthropology)

**Associate Professors** Laurel Cornell (Gender  
Studies, Sociology), Helen Gremillion, Anne  
Pyburn (Anthropology), Stephanie Sanders  
(The Kinsey Institute)

**Assistant Professors** Marlon Bailey (African  
American and African Diaspora Studies), Lessie  
Frazier, Sara Friedman (Anthropology), Colin  
Johnson (Adjunct, American Studies), Brenda  
Weber (Adjunct, English)

**Lecturer** Jennifer Maher

## Affiliate Faculty

**Professors** Ellen Ketterson (Biology),  
Rosemary Lloyd (French and Italian), M. Jeanne  
Peterson (Emerita, History), Jean C. Robinson  
(Political Science), Susan Williams, Walter W.  
Foskett (School of Law), William Yarber (Rural  
Center for AIDS/STD Prevention)

**Associate Professors** Purnima Bose (English),  
Maria Bucur-Deckard (History), Wendy Gamber  
(History), Patricia Ingham (English), Stephanie  
Kane (Criminal Justice), Ranu Samantrai  
(English), Margaret “Peg” Sutton (School of  
Education)

**Assistant Professors** Elizabeth Armstrong  
(Sociology), Claudia Breger (Germanic Studies),  
Mary Gray (Communication and Culture),  
Marissa Moorman (History), Wesley Thomas  
(Anthropology)

**Visiting Assistant Professor** Kirsten Sword  
(History)

**Academic Advising** Memorial Hall West 216,  
(812) 856-4910

## 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.

## Major in Gender Studies—B.A.

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 non-profit sector. Graduates can pursue occupations in human resources management, 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 organizations.

**Requirements** 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 27 credit hours, including the following:

1. Required courses: G101 Gender, Culture and Society, and G300 Gender Studies: Core Concepts and Key Debates
2. May choose 3 out of the following 6 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. Must take a course fulfilling the international/non-western requirement (denoted by \* above)
4. Of the 21 credit electives majors must include the following:
  - One class at the 200 level
  - Three classes at the 300 or 400 level
  - One additional class at the 400 level

Additional electives to meet the 27 credit hour requirement are freely chosen by the student.

Joint-listed Gender Studies courses count toward these requirements. Students may petition up to one course outside the department for credit for the major and should confirm eligibility of such a course with their advisor. Courses are judged relevant if, in both their titles and their content, they substantially address gender-related issues or analyses.

## Minor in Gender Studies

### Requirements

An undergraduate minor in Gender Studies requires a total of 15 credit hours which must be in the department and distributed as follows:

1. Six credit hours at the 100 level
2. Six credit hours at the 200 or 300 level
3. Three credit hours at the 400 level
4. Must take at least one course with an international/non-western emphasis (See list in major)

Joint-listed Gender Studies courses count toward these requirements. Students may petition up to one course outside the department for credit for the minor and should confirm eligibility of such a course with their advisor. Courses are judged relevant if, in both their titles and their content, they substantially address gender-related issues or analyses.

### 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 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 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 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 advising office, Memorial Hall West 216, (812) 856-4910.

## Course Descriptions

### **G101 Gender, Culture, and Society (3 cr.) 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.

### **G102 Sexual Politics (3 cr.) S & H**

Investigation of cross-cultural meaning for the term "sexual politics," from Kate Millet'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.

### **G104 Topics in the Study of Gender (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.

### **G105 Sex, Gender and the Body (3 cr.) 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.

### **G205 Themes in the Study of Gender (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.

### **G206 Gay Histories, Queer Cultures (3 cr.)**

**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.

### **G215 Sex and Gender in Cross Cultural**

**Perspective (3 cr.) S & H, CSA** 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.

### **G225 Gender, Sexuality, and Popular Culture**

**(3 cr.) A & H, CSA** 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.

### **G230 Gendered Relations (3 cr.) S & H**

Examines ways in which gender plays a role in relationships and how relationships may foster gendered behavior in these contexts: family/home, schools, sexual relationships, workplaces, and broader society. The course explores evolutionary, biological, and social-historical theories regarding female/male roles and their manifestations in divergent settings.

### **G235 Scientific Understandings of Sex**

**and Gender (3 cr.) 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.

### **G290 History of Feminist Thought and**

**Practice (3 cr.) 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.

**G300 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.

**G302 Topics 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.

**G303 Knowledge and Sex (3 cr.) 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 impact upon areas of knowledge during the twentieth century are assessed.

**G304 Constructions of Masculinities (3 cr.)**  
An interdisciplinary examination of what constitutes masculinity as particularly demonstrated in fiction and film from the 1950s to the present.

**G310 Representation and the Body (3 cr.) A & H**  
Analysis of scholarship concerned with “the body,” “sexed bodies,” “corporeality,” “body politics,” and the significance of worldwide bodily rituals used to mark sexual difference. Dualistic and disembodied categories through which the body is “culturally thought” receive scrutiny, including exteriority/interiority and sex/gender distinctions prevalent in discussions of the body.

**G325 Technologies of Gender (1-3 cr.) 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.

**G335 Explaining Sex/Gender Differences (3 cr.) 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.

**G399 Regulating Gender (3 cr.) 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.

**G402 Seminar in Gender Studies (3 cr.) S & H**  
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.

**G410 International Feminist Debates (3 cr.)**  
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.

**G425 Gender and Science: The Sexual Politics of Truth (1-3 cr.) 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.

**G430 Kinsey’s *Sexual Behavior in the Human Female* (1953): Genealogies and Legacies (3 cr.) 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.

**G435 Health, Sex, and Gender (3 cr.) 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.

**G440 Feminism Between Woman Suffrage and the Pill (3 cr.) S & H** What happened to feminism between the suffrage movement and the “swinging sixties”? Was feminism dead or did it actually transform? How similar and how different was feminism before 1920 and after? Could a higher understanding of feminism in these decades re-characterize twentieth-century feminism as a whole?

**G480 Practicum in Gender Studies (3-6 cr., 6 cr. max.) P:** junior or senior standing; 12 credit hours of gender studies course work; project approved by instructor. Directed study of aspects of policy related to gender studies issues based on field experience. Directed readings, practicum in social agency, papers and analytical journal required.

**G485 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.

**G495 Readings and Research in Gender Studies (1-3 cr., 6 cr. max.) P:** consent of instructor and chair. Individual readings and research available for gender studies major and minor students. May, under unusual circumstances, be repeated twice for credit with a different topic.

**G498 Critical Issues 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.

**G499 Senior Honors Thesis (3-6 cr.)** P: G495 and consent of faculty mentor and chairperson. Research and preparation of senior honors thesis. May be taken for a maximum of 6 credit hours.

## Geography

### Faculty

**Chairperson** Professor William R. Black

**Professors** C. Sue Grimmond, Daniel C. Knudsen, John Odland, Sara Pryor, Scott Robeson, Hans Peter Schmid

**Associate Professors** Tom Evans, Charles Greer, A. Faiz Rahman

**Assistant Professors** James J. Biles, Constance Brown, Kelly Caylor, Tony Grubestic

**Visiting Scientist** Rebecca Barthelmie

**Assistant Scientist** Danilo Dragoni

**Senior Lecturer** Roman Zlotin

**Adjunct Faculty** David Audretsch (School of Public and Environmental Affairs), Bennet Brabson (Physics), Timothy Brothers (IUPUI), Owen Dwyer (IUPUI), David MacKay (Kelley School of Business), Theodore Miller (School of Public and Environmental Affairs), Emilio Moran (Anthropology, CIPEC), Greg Olyphant (Geological Sciences), Catherine Souch (IUPUI), Philip Stevens (School of Public and Environmental Affairs), Jeffrey Wilson (IUPUI)

**Faculty Emeriti** Don Bennett, Dennis Conway, Ernest Wohlenberg

**Academic Advising** Student Building 120, (812) 855-6303

### 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 in atmospheric science, the human-environment interaction, international studies, geographic information science, and human geography.

### 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. The flexibility allows students to focus on particular concentration areas and/or to choose a second major.

**Requirements** Students must complete the following:

1. A minimum of 25 credit hours in geography, of which at least 9 credit hours must be at the 300 or 400 level and at least 3 additional credit hours must be at the 400 level.

2. One course each in physical geography (either G107 or G109), human geography (either G110 or G120), and two courses in geographic methodology (to be selected from G235, G237, G250, G336, G338, G350, G436, G438, or G488).

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

**Recommendations** Students ordinarily select one of the following concentration areas and identify a faculty member or members associated with that concentration area to be their advisors. Faculty names are listed below with the appropriate specialties.

- A. **Atmospheric Science** Complete G304 and G350; select from G235, G250, G336, G405, G431, G433, G434, G470, and G475; additionally G450, G460, G477, and G489. (Brown, Caylor, Grimmond, Pryor, Robeson, Schmid)
- B. **Human-Environment Interaction** Select from G304/G305 and G306/G315 and at least one 400-level course. Courses within this concentration include: G208, G235, G237, G304, G305, G306, G307, G315, G336, G341, G405, G421, G434, G440, G450, G460, and G475. Other recommended courses include: G250, G336, G338, G350, and G488. (Black, Brown, Caylor, Greer, Grimmond, Pryor, Robeson, Schmid)
- C. **Geographic Information Science** G235, G237, G250, G336, G338, G436, G438, G439, G450, G460, and G488. (Evans, Odland, Robeson)
- D. **International Studies** Select courses from G210, G235, E302, G306 (when it has a regional focus), G317, G323, G324, G326, G425, G427, G428, G450, and G460. (Greer, Knudsen, Odland)
- E. **Human Geography** Select courses from G210, G235, G237, G302, G306 (when appropriate), G314, G316, G317, G320, G338, G415, G450, G460, and G488. (Biles, Black, Grubestic, Knudsen, Odland)
- F. **Sustainable Systems** Select courses from G208, G302, G305, G315, G320, G332, G406, G411, G415, G442, G450, G460, and G489 (Black, Brown, Caylor, Evans, Greer, Odland, Pryor, Robeson)

## Major in Geography—B.S.

**Purpose** The B.S. degree provides additional science requirements that prepare science-oriented students for graduate school and science-related jobs at the bachelor's degree level. Students pursuing a B.S. degree normally would focus on either the atmospheric science or geographic information science concentration areas (relevant courses are listed above).

**Requirements** Students must complete the following:

1. Same geography requirements as B.A.
2. Mathematics: M211-M212
3. Physics: P221-P222
4. Biology: minimum of 6 credit hours including L111 and L473 or Chemistry C101-C121, C102-C122 or at least 6 credits in computer science at the 200-level or higher.
5. Statistics: K300 or G488
6. 6 credit hours of mathematics, physics, biology, chemistry, or computer science at the 300 level or higher
7. General education:
  - a. Writing: English composition (3 cr.) and intensive writing (3 cr.)
  - b. Foreign Language: 3 credit hours at the second-year level
  - c. Arts and Humanities: two courses.
  - d. Social and Historical studies: two courses, including at least one course from geography.
  - e. Natural and Mathematical Sciences: fulfilled by major
  - f. Topics courses: COLL E103 or E104
  - g. Electives to fulfill remaining credits

## Minor in Geography

**Requirements** Students must complete a minimum of 15 credit hours in geography including: (a) one course from G107, G109, G110, and G120; (b) one course in geographic methodology (to be selected from G235, G237, G250, G336, G338, G350, G436, G438, or G488); and (c) at least 6 credit hours at the 300 or 400 level.

## Course Descriptions

**G107 Physical Systems of the Environment (3 cr.) N & M** Introduction to the physical principles governing the geographical distribution and interrelationships of the earth's physical features (atmosphere and oceans, landforms, soils, and vegetation). The course provides students with the background necessary to evaluate current environmental issues.

**G109 Weather and Climate (3 cr.) N & M** Introduction to atmospheric processes responsible for weather. Elements of climatology and their variation in time and space. Weather forecasting, weather modification, and severe weather.

**G110 Introduction to Human Geography (3 cr.) S & H** An introduction to the principles, concepts, and methods of analysis used in the study of human geographic systems. Examines geographic perspectives on contemporary world problems such as population growth, globalization of the economy, and human-environmental relations.

**G120 World Regional Geography (3 cr.) S & H**  
Analysis of population, culture, environment, and economies of major world regions. Examination of issues of global importance, including development, demographic change, urbanization and migration, and international conflict.

**G208 Human Impact on Environment (3 cr.) N & M** Aspects of the human role in changing the earth's environment. Examples of how expanding use of the physical environment has altered the equilibrium of natural systems or accelerated the rate of natural changes in the environment. Environmental changes from a global or world regional perspective.

**G210 Introductory Political Geography (3 cr.) S & H P:** Junior standing or consent of instructor. Considers geopolitics and geographical political economy. Features the role that geography plays in legitimizing political territories from trading blocs to subnational regions to global cities in the global system as a background to current events.

**G235 Introductory Geographical Methods (3 cr.)** Introduces geographical methodology in the major fields of study within geography (atmospheric sciences, environmental studies, geographic information systems, global studies, and human geography). Topics include map interpretation, paradigms of inquiry, simple statistical methods, instrumentation, introductory computer methods, fieldwork, and case studies.

**G237 Cartography and Geographic Information (3 cr.) N & M** Use of computers in the management of geographic information, including data storage, database construction, creation and production of maps and related representation of geographic data. Computer cartography laboratory, experimentation and interactive experience using GIS and mapping software.

**G250 Computer Methods in Geography (3 cr.) N & M P:** M118 or M119 or M211, or consent of instructor. Introduction to computing in geography, emphasizing practical applications. Topics include programming concepts, analysis of spatial data, and graphics. Numerous exercises give practical experience with the analysis and interpretation of geographic data. Both high-level programming and software packages are utilized.

**G302 Introduction to Transportation Analysis (3 cr.) S & H** Examination of movement of people, goods, and information over space using spatial analysis and planning techniques.

**G304 Physical Meteorology and Climatology (3 cr.) N & M P:** Any introductory science course or consent of instructor. Fundamental atmospheric properties and interrelationships.

Radiation theory, components of energy and moisture balance, atmospheric circulation, upper air-surface relationships, and global weather systems.

**G305 Environmental Change-Nature and Impact (3 cr.) 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.

**G306 The Geography of Current Issues (3 cr.) P:** Junior standing or consent of instructor. 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.

**G307 Biogeography: The Distribution of Life (3 cr.) N & M** For Bloomington campus only, P: G107 or G109 or G185, or G208. 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.

**G314 Urban Geography (3 cr.) 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.

**G315 Environmental Conservation (3 cr.) S & H P:** 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.

**G316 Economic Geography (3 cr.) 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.

**G317 Geography of Developing Countries (3 cr.) S & H, CSA** Analysis of spatial processes in the Third World with emphasis on the processes of migration, urbanization, and resource development. Examination of alternative theories of the development process.

**G320 Population Geography (3 cr.) 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.

**G323 Geography of Latin America (3 cr.)**  
 S & H, CSA 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.

**G324 Geography of the Caribbean (3 cr.)**  
 S & H, CSA Geographic introduction to the Caribbean, stressing global and regional political and economic relationships, physical, and natural environments, human activities and human-environmental relationships which give coherence and identity to the diversity of Caribbean landscapes, peoples, and cultures.

**G326 Geography of North America (3 cr.)**  
 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.

**G332 Geographical Globalization (3 cr.)**  
 S & H P: G110 or G120 or consent of instructor.  
 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.

**G336 Remote Sensing (3 cr.) N & M**  
 P: Consent of instructor. 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.

**G338 Geographic Information Science (3 cr.)**  
 N & M P: G237 or consent of instructor.  
 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.

**G341 Environmental Values and Attitudes (3 cr.) S & H** Environmental values and attitudes as phenomena of human societies which are instrumental along with technological and organizational constructs in shaping society habitat relationships. Study of Western and non-Western traditions provides background for understanding recent attempts to develop ideas compatible with globalizing industrial society.

**G350 Instrumentation and Field Methods in Atmospheric Science (3 cr.) N & M**  
 P or C: G304 or consent of instructor. Sampling, instrumentation, measurement, analysis, and interpretation of data concerning features and processes of the atmospheric environment. Use of field and laboratory equipment within the context of research and standard projects. Practical application of climatological and meteorological principles.

**G405 Hydroclimatology (3 cr.) N & M P: G304.**  
 Hydroclimatic processes at a range of spatial scales. Topics include cloud and precipitation processes, soil water physics, runoff and evaporation. Lecture and laboratory.

**G406 Sustainable Transportation (3 cr.)**  
 An examination of sustainability and of non-sustainability in the transport sector. Problems of petroleum depletion, air quality and its impact on human health, carbon dioxide emissions and their impact on global warming, transport accidents, and congestion are examined along with planning, policy, and technological solutions to these problems.

**G411 Sustainable Development Systems (3 cr.) 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.

**G415 Sustainable Urbanism (3 cr.) S & H**  
 P: G314 or consent of instructor. In-depth examination of "green urbanism" and sustainable urban development. Sustainable urbanism is viewed as an integral part of, and not distinct from, global environmental sustainability. Lessons from European cities inform the assessments of North America's urban future.

**G421 Environments of Tropical Lands (3 cr.)**  
 N & M A geographical analysis concerned with developing countries and focusing on issues related to development and the environmental consequences. Concern for the natural environment is expressed with regard to how it is affected by population pressures, economic advancement and urbanization. An understanding of the people and their cultures in these regions is presented.

**G425 Africa: Contemporary Geography Problems (3 cr.) S & H, CSA** Examines

contemporary geographic problems confronting the countries of sub-Saharan Africa. Primary focus on urbanization, rural-urban migration, unemployment, agriculture, and health care. Also analyses of terrain, resource base, and other aspects of the natural environment.

**G427 Russia and its Neighbors (3 cr.) S & H,**

**CSA** 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.

**G428 Geography of Europe (3 cr.) S & H,**

**CSB** Emphasizes two interrelated topics within western Europe: common themes across the countries of Europe, and the distinctive cultures that make up the region. The course begins with a discussion of the physical landscape of Europe, then takes up the cultural and economic landscape of the region. The course ends with a discussion of the various cultural regions within Europe.

**G431 Dynamic Meteorology (3 cr.) N & M**

**P:** MATH M211-M212, PHYS P201 or P221 (P221 recommended), GEOG G304 or consent of instructor. Introduction to dynamical processes and analysis in the atmosphere. Principles of fluid dynamics and their application to the atmosphere. Basic conservation laws and equations of motion. Circulation and vorticity. Dynamics of synoptic systems: quasi-geostrophic analysis, oscillations and waves, baroclinic instability, and cyclogenesis. General circulation. Numerical modeling. Credit not given for both G431 and G436.

**G433 Synoptic Meteorology and Climatology**

**(3 cr.) N & M P:** G304 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.

**G434 Air Pollution Meteorology (3 cr.) N & M**

**P:** G304 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.

**G436 Advanced Remote Sensing: Digital Image Processing (3 cr.) 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.

**G438 Advanced Geographic Information Science (3 cr.) 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.

**G439 Seminar in Geographic Information**

**Science (3 cr.) 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.

**G440 Topics in Environmental Geography**

**(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.

**G442 Sustainable Energy Systems (3 cr.)**

**S & H P:** Junior standing or consent of instructor. Examination of energy resources and the socioeconomic and environmental effects of these processes. Reasons for current energy systems being unsustainable and the potential for developing alternative renewable energy sources and the problems associated with these are examined.

**G450 Undergraduate Readings and Research in Geography (1-3 cr.; 6 cr. max.) P:**

Consent of instructor. Individual readings and research in geography.

**G451 Water Dynamics in Semi-Arid**

**Environments (3 cr.) N & M P:** G107 or G109 and at least one 300-level physical/biological science course or consent of instructor. Investigates the hydro-micrometeorological and human dynamics of semi-arid ecosystems/environments.

**G460 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.



**G470 Micrometeorology (3 cr.) N & M**  
 P: 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.

**G475 Climate Change (3 cr.) 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 and interpretation of proxy climate data are presented along with modeling tools for assessing climate response to a range of forcing and paleoclimate perspectives on future climate change.

**G477 Topics in Atmospheric Science (3 cr.) N & M P:** G304. Selected topics in microclimatology, dynamic meteorology, statistical methods in climatology, climactic change, radiation theory, or other areas of climatology and meteorology. May be repeated once for credit with different topic.

**G488 Applied Spatial Statistics (3 cr.) 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.

**G489 Atmospheric Data Analysis (3 cr.) N & M**  
 P: An introductory course in statistics or consent of instructor. Introduction to methods of data analysis used in the atmospheric sciences, emphasizing applications. Topics include statistical forecasting, spatial interpolation, spectral analysis and filtering, vector data analysis, and model evaluation.

## Geological Sciences

### Faculty

**Chairperson** Professor Abhijit Basu

**Professors** David Bish, Simon Brassell, Jeremy Dunning, Michael Hamburger, Enrique Merino, Peter Ortoleva, Gary Pavlis, Mark Person, Lisa Pratt, Edward Ripley, Robert Wintsch

**Associate Professors** James Brophy, Claudia Johnson, Greg Olyphant; Bradley Ritts, Juergen Schieber, Chen Zhu

**Senior Scientists** John Comer, Arndt Schimmelmann, John Steinmetz

**Associate Scientist** Chusi Li

**Assistant Scientists** Bruce Douglas, Erika Elswick, Peter Sauer

**Academic Advising** Geology 123,  
 (812) 855 7214

### Introduction

The Department of Geological Sciences (GEOL) provides training for those who want to become professional geologists and seek careers in university or college teaching, in industry, in research laboratories, and in federal and state geological surveys; for those 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.

### Major in Geological Sciences—B.A.

**Purpose** The B.A. in geology 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 more accessible to students in related fields.

**Requirements** Students must complete 31 credit hours, including the following:

- 25 credit hours of courses in the geological sciences, to include
  - At least one course at the 100-level, with a maximum of 3 courses.
  - At least one course at the 200-level, with a maximum of 2 courses.
  - At least one course at the 300 level.
  - At least one course at the 400 level.
  - Course work at the 200, 300, or 400 levels to reach a minimum of 25 credit hours in geological sciences
- At least 6 additional credit hours of College of Arts and Sciences courses that carry Natural and Mathematical Sciences distribution credit chosen from a department or departments other than Geological Sciences.

Students must also complete the requirements and procedures listed in this bulletin under "General Requirements for Bachelor's Degrees."

Students should note that in many cases credit may only be used for one course in a department if there is significant overlap with another course (e.g., C101 or C117).

## 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.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as B.A. degree.
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.

**Major Requirements** The requirements for the major are:

1. Any two formal 100-level courses in the geological sciences. One course must be selected from G103, G111, G104 or G112.
2. G221, G222, G323, G334 and G429.
3. Three formal 3 or 4 credit hour geological sciences courses at the 400 level.
4. Chemistry C117; C118 is recommended.
5. Mathematics M211 and M212.
6. Physics P221 and P222.
7. Biology L111 or L112.
8. Two courses selected from: 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.
9. One additional formal 3 credit course at the 300 or 400 level from any of the following departments: biology, chemistry, mathematics, and 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 requirements and procedures listed in this bulletin under "General Requirements for Bachelor's Degrees."

## Minor in Geological Sciences

**Requirements** Any 15 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 and G222 or G225;
3. At least two courses at the 300-400 level, one of which must be at the 400-level.

## Departmental Honors Program

Outstanding students who maintain a minimum grade point average of 3.3 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 advanced science/mathematics 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

### G103 Earth Science: Materials and Processes

**(3 cr.) 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. II Sem.

### S103 Earth Science: Materials and Processes

**Honors (3 cr.) 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.

### G104 Evolution of the Earth (3 cr.) N & M

Earth's history interpreted through five 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 the following: G104, G112.

**G105 Earth: Our Habitable Planet (3 cr.) 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.

**G111 Physical Geology (3 cr.) 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. I Sem.

**G112 Historical Geology (3 cr.) 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 the following: G104, G112. II Sem.

**G114 Dinosaurs and Their Relatives (3 cr.)**

**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.

**G116 Our Planet and Its Future (3 cr.)**

**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.

**G121 Meteorites and Geological Processes in Planets (3 cr.) N & M, TFR**

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.

**S121 Meteorites and Geological Process in Planets, Honors (3 cr.) N & M, TFR**

For Hutton Honors College students and those with unusually good aptitude or preparation. Credit given for only one of S121 and G121.

**S124 Honors Geology (3 cr.) 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.

**G125 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.

**G131 Oceans and Our Global Environment (3 cr.) 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.

**G141 Earthquakes and Volcanoes (3 cr.)**

**N & M, TFR** 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.

**G150 Exploring Extraterrestrial Life in Martian Rocks (3 cr.) 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.

**G161 Earth Resources (3 cr.) 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.

**G171 Environmental Geology (3 cr.) 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. I Sem.

**G188 Volcanoes of the Eastern Sierra Nevada: Geology and Natural Heritage of the Long Valley Caldera (3 cr.) N & M, TFR P:** LLC L100 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

**G190 The Evolving Earth (1-3 cr., 3 cr. maximum)** 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.

**Q203 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.

**G221 Introductory Mineralogy (4 cr.) 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.

**G222 Introduction to Petrology (4 cr.) 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.

**G225 Earth Materials (4 cr.) 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. I Sem.

**G300 Environmental and Urban Geology (3 cr.) 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. II Sem.

**G302 Development of the Global Environment (3 cr.) 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.

**G316 Mineral Fuels and Materials (3 cr.)**  
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.

**G319 Elementary Field Geology (2 cr.)**  
P or C: MATH M014 or equivalent. Use of geologic surveying instruments; aneroid barometer, Brunton pocket transit, telescopic alidade. SS.

**G321 Field Geology for Business Students (3 cr.) 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).

**G323 Structural Geology (4 cr.) 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.

**G329 Introductory Field Experience in Environmental Science (1-6 cr.) 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.

**G334 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.

**G341 (BIOL L341) Natural History of Coral Reefs (4 cr.)** 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. Four-week summer course introducing principles of biology, ecology, and geology as applied to coral reef ecosystems. Week 1: daily meeting at IUB to provide background; weeks 2-4: field/lab exercises and research projects at tropical marine laboratory; subsequent fall semester: one-day student colloquium at IUB.

**G351 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.

**G399 Reading for Honors (12 cr. max.)** P: Approval of departmental honors advisor. I Sem., II Sem.

**G404 Geobiology (3 cr.)** P: G334 and BIOL L111 or L112. Application of biological principles and use of fossils in the study of earth history. Origin of life and the early fossil record; evolution; approaches to taxonomy; chemistry of fossils; ecology of ancient life; use of fossils in the solution of geologic problems. I Sem.

**G406 Introduction to Geochemistry (3 cr.)** P: G222, MATH M212 or M216, and CHEM C118; 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. II Sem.

**G410 Undergraduate Research in Geology (1-6 cr.)** P: Junior standing and consent of advisor. Field and laboratory research in selected problems in geology. May be repeated for a maximum of 6 credit hours. I Sem., II Sem., SS.

**G411 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. II Sem.

**G413 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. I Sem.

**G415 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. I Sem.

**G416 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 two-hour laboratory per week. II Sem.

**G417 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 two-hour laboratory meetings per week. I Sem.

**G418 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 two-hour laboratory meeting per week. II Sem.

**G419 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.

**G420 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. II Sem.

**G423 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. II Sem.

#### **G424 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. Field work, 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.

#### **G427 Introduction to X-ray Mineralogy (3 cr.)**

P: G221. Theory and practice of X-ray powder diffraction. Measurement and analysis of digital diffractometer data, including profile fitting and Rietveld refinement, with application to geological, environmental, and structural-chemical problems.

#### **G429 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.

#### **G444 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 Absortion (AAS) by flame and graphite furnace, X-ray fluorescence, and Leco carbon and sulfur concentration determinations. May not be repeated.

#### **G451 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. I Sem.

#### **G454 Fundamentals of Plate Tectonics (3 cr.)**

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.

#### **G490 Undergraduate Seminar (1-2 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.

#### **G499 Honors Research in Geology (1-6 cr.)**

P: Approval of departmental honors advisor. May be repeated for a maximum of 6 credit hours. I Sem., II Sem., SS.



# Germanic Studies

## Faculty

**Chairperson** Professor William Rasch

**Professors** Kari Gade, Dov-Ber Kerler, Breon Mitchell, William Rasch, Rex Sprouse, Marc Weiner

**Associate Professors** Claudia Breger, Fritz Breithaupt, Michel Chaouli

**Assistant Professors** Susanne Even, Tracy Alan Hall, Benjamin Robinson

**Acting Assistant Professor** Johannes Türk

**Senior Lecturer** Esther Ham

**Lecturer** Troy Byler, Nikole Langjahr, Gergana May

**Academic Advising** Ballantine Hall 644, (812) 855-1553

## 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 placement and proficiency tests can be found in this bulletin by referring to "Foreign languages, placement" in the "Index."

## Secondary Teacher Certification

Candidates should consult the School of Education Undergraduate Program Bulletin and their department's advisor.

## Major in Germanic Studies

**Requirements** Students must complete the following:

1. One 300-level course each in language (G330), literature (G305 or G306), and culture studies (G362 or G363). If a student places out of G330, a higher course approved by the director of undergraduate studies must be substituted for G330.
2. Four 400-level courses in language, linguistics, literature, or culture that give credit in German.

Students must also complete the degree requirements of the College of Arts and Sciences, including at least 25 credit hours in the major subject area above the 100 level.

## Minor in Germanic Studies

**Requirements** Students must complete 15 credit hours, including the following:

1. G300 and G330. If a student places out of G300, or G300 and G330, a higher course approved by the director of undergraduate studies must be substituted for each course.
2. Three additional courses on the 300-400 level for which credit in German is given. (G262, G277, G390, N350, N450, Y300 or Y350 may be substituted for one such course; G375 does not count toward the minor).

## Minor in Dutch Studies

**Requirements** Students must complete the following: N150, N200, N250, N350, and N450.

## Minor in Yiddish Studies

**Requirements** Students must complete the following:

1. GER Y150 (4 cr.)
2. GER Y200 (3 cr.)
3. GER Y250 (3 cr.)
4. 6 additional credits chosen from GER Y300/CMLT C377; GER Y350/CMLT C378; GER Y495; or HIST D304 Jews of Eastern Europe (3 cr.).

## 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 G200 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.

Outstanding students with 300-level proficiency 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 dean, 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, Franklin Hall 303, (812) 855-9304.

## German House

The Department of Germanic Studies cooperates with the Global Village Living Learning Center in offering residential and nonresidential programs for students with a common interest in studying German. Associate instructors participate in programs arranged by the students and eat at the German Table weekly.

## Course Descriptions

### *German*

To advance to some higher-level German courses, students must earn a grade of C- or higher in the preceding course.

### **G100-G150 Beginning German I-II (4-4 cr.)**

P for G150: G100 with a minimum grade of C-. Introduction to present-day German and to selected aspects of German culture. Survey of the language: structure and meaning. Introduction to German grammatical forms and their function. Development of listening comprehension, simple speaking proficiency, controlled reading and writing skills. Credit given for only one of the following: G100-G150 or G105. I Sem., II Sem., SS.

### **G105-G106 Accelerated Elementary German I-II (5-5 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. Credit given for only one of the following: G105 or G100-G150. Credit given for only one of the following: G106 or G200-G250. G105, I Sem.; G106, II Sem.

### **G200 Oral Practice, Writing, and Reading I (3 cr.)**

P: G150 or G105 with a minimum grade of C-. Further development of oral and written command of language structures. Reading of literary and non-literary texts. Credit given for only one of the following: G200 or G106. I Sem., II Sem., SS.

### **G250 Oral Practice, Writing, and Reading II (3 cr.)**

P: G200 with a minimum grade of C-. Review of selected grammatical items. Reading of modern German prose and plays with stress on discussion in German. Writing of descriptive and expository prose based on the reading

material. Students should not enroll in both G106 and G250. I Sem., II Sem., SS.

### **G262 Contemporary Austria (3 cr.) S & H, CSB**

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. Taught in English.

### **G300 Deutsch: Mittelstufe I (3 cr.)**

P: G250 or G106 with a minimum grade of C-. 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. I Sem., II Sem.

### **G305 Introduction to German Literature:**

**Types (3 cr.) A & H P:** G300 with a minimum grade of C-. R: G330. Study of literary types (narrative, dramatic, lyric), with examples of each selected from two or more periods. I Sem.

### **G306 Introduction to German Literature:**

**Themes (3 cr.) A & H P:** G300 with a minimum grade of C-. R: G330. Study of a single literary theme (such as music, generational conflict, love, revolution) as represented in two or more periods. II Sem.

### **G330 Deutsch: Mittelstufe II (3 cr.)**

P: G300 with a minimum grade of C-. Advanced oral and written communication. Study of selected advanced grammatical topics. Reading of primarily non-literary texts. Conducted in German. Required for teacher certification. I Sem., II Sem.

### **G362 Deutsche Landeskunde (3 cr.) S & H, CSB**

P: G300 with a minimum grade of C-. R: G330. An overview of contemporary German civilization, with attention to the other German-speaking countries. Political, economic, and social organization. Lectures in German; discussions in German or English.

### **G363 Deutsche Kulturgeschichte (3 cr.)**

A & H, CSB P: G300 with a minimum grade of C-. R: G330. A survey of the cultural history of German-speaking countries, with reference to its social, economic, and political context. Lectures in German; discussions in German or English. Credit given for only one of G363 or G364.

### **G375 Conversational German (2 cr.)**

P: G330 with a minimum grade of C-. 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.



**G400 Deutsch: Oberstufe (3 cr.)** P: G330 with a minimum grade of C-. 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.

**G403 Deutsche Literatur: Mittelalter bis Romantik (3 cr.)** A & H P: G305 or G306. Historical survey of major literary developments from the Middle Ages to romanticism.

**G404 Deutsche Literatur seit der Romantik (3 cr.)** A & H P: G305 or G306. Historical survey of major literary developments from Young Germany to recent writing in German-speaking Europe.

**G415 Perspectives on German Literature (3 cr.)** A & H P: G305 or G306. 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*. May be repeated once with different topic.

**G416 Studies in German Authors (3 cr.)** A & H P: G305 or G306. Life and works of a major author or a group of authors. Topic announced in the online *Schedule of Classes*. May be repeated once with different topic.

**G418 German Film and Popular Culture (3 cr.)** A & H, CSB P: G305 or G306. Study of German film and/or other manifestations of German popular culture (television, music, cabaret, *Trivialliteratur* of the twentieth century).

**G448 The Sounds of Modern German (3 cr.)** N & M P: G330. 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. Recommended for undergraduate majors, graduate students without previous training in linguistics, and prospective teachers.

**G451 Introduction to the Structure of Modern German (3 cr.)** N & M P: G330. The syntax of modern German, with a practical introduction to the methods of grammatical analysis. Recommended for undergraduate majors and prospective graduate teachers.

**G458 Principles of German Word Formation (3 cr.)** N & M P: G330. In-depth study of the principles underlying word formation (morphology) in German. Comparative study of inflection, derivation, and compounding in German and English.

**G464 Kultur und Gesellschaft (3 cr.)** S & H CSB R: G362 or G363. The interaction of social, intellectual, and artistic forces in German life of the past two centuries, with emphasis on

important developments and figures. May be repeated once with a different topic for a maximum of 6 credit hours.

**G491 Elementary German for Graduate Students (4 cr., undergrad.; 3 cr., grad.)** 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. Credit not given for G491 and G100 or G150. I Sem., SS.

**G492 Readings in German for Graduate Students (4 cr., undergrad.; 3 cr., grad.)** P: G491 or consent of department. Credit not given for G492 and G106, G200, or G250. II Sem., SS.

*German and Germanic Culture in Translation*

**G255 Tradition and Innovation in German Literature (3 cr.)** A & H Major themes and ideas in prominent works of German literature (lyric, fiction, drama) in translation, selected from various historical periods. Lectures and discussions in English. No credit given in German.

**G277 Sex and Gender in Germany (3 cr.)** S & H, CSB 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. Readings, lectures, and discussions in English. No credit given in German.

**G350 Vikings and Sagas (3 cr.)** A & H Introduction to Viking culture (c. 800-1100) and its reflections in selected sagas. Readings, lectures, and discussions. Readings in English. No credit in German.

**G364 German Cultural History (3 cr.)** A & H, CSB A survey of the cultural history of German speaking countries, with reference to its social, economic, and political context. Taught in English; no credit in German. Credit given for only one of G363 and G364.

**G390 German Film Culture (3 cr.)** A & H, CSB 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. Readings, lectures, and discussions in English. No credit given in German.

**V400 Contemporary Germany (3 cr.)** S & H, CSB Political, sociological, economic, and cultural aspects of present-day Germany. Comparison with adjacent states. Reading knowledge of German not required.

**V405 Special Topics in German Studies**

**(1-3 cr.)** Topics dealing with language, literature, and culture of any of the German-speaking countries, generally in the more recent historical periods. May be repeated for maximum of 12 credit hours. Credit in German requires substantial course work in German and prior approval by the director of undergraduate studies.

**V406 Literature and Society since 1945 (3 cr.)**

**A & H, CSB** Major public concerns as reflected in German literature since World War II. Literary art in its cultural and political context. Taught in English. Credit in German requires substantial course work in German and prior approval by the director of undergraduate studies.

**V415 Individual Readings in German Studies (1-3 cr.)** May be repeated.*Dutch***N100 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.

**N150 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.

**N200 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.

**N250 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.

**N300 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.

**N330 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.

**N350 Dutch Culture: The Modern**

**Netherlands (3 cr.)** **S & H, CSB** 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. May be repeated with a different topic for a maximum of 6 credit hours.

**N450 The Golden Age of Dutch Culture (3 cr.)**

**A & H, CSB** 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. II Sem.

*Scandinavian***K100 Beginning Norwegian I (4 cr.)**

Development of listening comprehension, speaking, reading and writing skills in a cultural context. Introduction to grammar. I Sem.

**K150 Beginning Norwegian II (4 cr.)**

P: K100 with the 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.

**K200 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.

**K250 Intermediate Norwegian II (3 cr.)**

P: K200 with the 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.

**K350 Topics in Scandinavian Culture (3 cr.)**

**A & H, CSB** 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. May be repeated with a different topic for a maximum of 6 credit hours.

**S491 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.

### *Yiddish*

**Y100 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.

**Y150 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.

**Y200 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.

**Y250 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.

**Y300 Topics in Yiddish Literature (3 cr.) A & H, CSA** 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. May be repeated with a different topic for a maximum of 6 credit hours. Credit given for either Y300, CMLT C300, or CMLT C377 per semester.

**Y350 Topics in Yiddish Culture (3 cr.) A & H, CSA** 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. May be repeated with a different topic for a maximum of 6 credit hours. Credit given for either Y350, CMLT C350, or CMLT C378 per semester.

**Y495 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*

#### **G296 German Language Abroad (1-6 cr.)**

P: Acceptance into an Indiana University-approved overseas study program. Credit for foreign study in German language when no specific equivalent is available among departmental offerings. Credits in G296 not counted toward major. May be repeated for a maximum of 6 credit hours.

#### **G396 German Language Abroad (1-6 cr.)**

P: Acceptance into an Indiana University-approved overseas study program. Credit for foreign study in German language above the level of G296 when no specific equivalent is available among departmental offerings. Credits in G396 not counted toward major. May be repeated for a maximum of 6 credit hours.

#### **G397 Residential Workshop (1-2 cr., 6 cr. max.)**

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.

#### **G399 Honors Tutorial (1-2 cr., 4 cr. max.)**

P: Consent of departmental honors advisor. 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 twice.

#### **G430 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.

#### **G495 Individual Readings in Germanic Literatures (German, Scandinavian, Netherlandic) (1-3 cr.; 6 cr. max.)**

P: Consent of departmental chairperson.

#### **G496 Foreign Study in German (3-8 cr.; once only)**

Planning of research project during year preceding summer abroad. At least one week of research abroad required for each credit hour. Paper due by end of semester following foreign study. Arrangements for credit are to be made in advance in consultation with the director of undergraduate studies.

**G499 Honors Thesis (3 cr.)** P: G399 and consent of departmental honors advisor.

# History

## Faculty

**Chairperson** Professor Claude Clegg

**Distinguished Professors** James Riley, David Thelen

**Chancellor's Professor** John Bodnar

**Bernardo Mendel Chair** Daniel James

**Pat M. Glazer Chair** Mark Roseman

**Donald F. Carmony Chair** Eric Sandweiss

**Paul V. McNutt Professor** Michael McGerr

**Thomas and Kathryn Miller Professor**  
James Madison

**Robert F. Byrnes Professor** David Ransel

**Sally Reahard Professor** Michael Grossberg

**Professors** Judith Allen, George Alter, George Brooks, Claude Clegg, Allen Douglas, Ellen Dwyer, Ben Eklof, Dyan Elliott, Lawrence Friedman, Jeffrey Gould, Peter Guardino, Hiroaki Kuromiya, Edward Linenthal, Robert Schneider, Steven Stowe, Lynn Struve, Dror Wahrman, Jeffrey Wasserstrom

**Associate Professors** Maria Bucur-Deckard, Ann Carmichael, Nick Cullather, Arlene Diaz, Arthur Field, Wendy Gamber, John Hanson, Carl Ipsen, Tom Keirstead, John Nieto-Phillips, David Pace, Leah Shopkow, Jeffrey Veidlinger

**Assistant Professors** Deborah Deliyannis, Konstantin Dierks, Michael Dodson, Sarah Knott, Matthias Lehmann, Marissa Moorman, Khalil Muhammad, Amrita Myers, Scott O'Bryan, Julia Roos, Marci Shore, Kirsten Sword, Edward Watts

**Academic Advising** James Basore, Ballantine Hall 706, (812) 855-1437

## Introduction

The study of history prepares students to understand our changing world. Department of History 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.

## Major in History

**Requirements** 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 15 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/pages/undergraduate/index.htm](http://www.indiana.edu/~histweb/pages/undergraduate/index.htm)

**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 Web site [www.indiana.edu/~histweb](http://www.indiana.edu/~histweb).

**Prelaw Track** 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

**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 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.

### History

At least 18 credit hours of history courses, including:

- a. At least 15 credit hours of 300-400 level courses (only one of A355 Afro-American History I or A356 Afro-American History II taken in either History or African American and African Diaspora Studies could be counted toward these 15 credit hours).
- b. At least one seminar chosen from J400, J450, or K392.
- c. Any two courses in non-U.S. History (i.e., Western European, Russia and East Europe, Ancient, Middle East, Africa, Latin America, or East Asia).
- d. At least 15 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 at the 200 level or above, of which at least 12 credit hours must be at the 300 level or above, including:

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

## Minor in History

### Requirements

- Students must complete 15 credit hours of history, at least 9 of which must be taken on the Bloomington campus.
- 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 K392) 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 maintain a minimum 3.300 cumulative and 3.500 major GPA.

## Languages and 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, Franklin Hall 303, (812) 855-9304.

## Course Descriptions

### Introductory Courses

**H101-H102 The World in the Twentieth Century I-II (3-3 cr.) Both courses S & H, CSA** for H102 only. 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.

**H103 Europe: Renaissance to Napoleon (3 cr.) S & H, CSA** 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. Enrollment limited to freshmen and sophomores only.

### H104 Europe: Napoleon to the Present (3 cr.)

**S & H, CSB** 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. Enrollment limited to freshmen and sophomores only.

### H105-H106 American History I-II (3-3 cr.)

**S & H** Evolution of American society: political, economic, social structure; racial and ethnic groups; sex roles; Indian, inter-American, and world diplomacy of United States; evolution of ideology, war, territorial expansion, industrialization, urbanization, international events and their impact on American history.

### H111-H112 Historical Background to Contemporary Problems I-II (3-3) S & H

I. Historical background of four or five problems of current interest. II. P: H111. Small sections will study in greater depth problems introduced in H111 or new issues closely related to these problems.

### Comparative History

### H240 History of World Population (3 cr.) S & H,

**CSA** The fertility, mortality, and migration of humankind from earliest times to the present. Topics include the shift from paleolithic to neolithic patterns, the transition from high to low mortality and fertility, the demographic trap, the threat of global overpopulation, changes in health experience, and theories of population change.

### H333 Epidemics in History (3 cr.) S & H

Epidemic infectious disease in human history, explored in a wide variety of cultures and civilizations.

### B391 Themes in World History (3 cr.) 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.

### W100 Issues in World History (3 cr.) 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.

**W200 Issues in World History (3 cr.) 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.

**W300 Issues in World History (3 cr.) 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.

**W325 World War II: The Peoples (3 cr.) 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.

**W400 Issues in World History (3 cr.) 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*

**A100 Issues in United States History (3 cr.) 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.

**A200 Issues in United States History (3 cr.) 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.

**H220 American Military History (3 cr.) 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.

**A222 Law in America (3 cr.) 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.

**A225 Elvis and Post-World War II America (3 cr.) S & H** Surveys changes in American society from World War II through the 1950s. Using lectures, readings, and films, the course looks at the debates over sexuality, race, and teen rebellion and how these issues were expressed in the careers of stars like Elvis Presley, Marilyn Monroe, and others.

**H259 American Jewish History (3 cr.) S & H, CSA** 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.

**A261 Modern American Women's History (3 cr.) 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.

**H263 Indiana University, Past and Present (3 cr.) S & H** A survey of the history and culture of Indiana University since 1820 in the context of the development of American higher education. Emphasis on the people, programs, and events that have shaped the institution in distinctive ways.

**A265 Gender and Sexuality in American History (3 cr.) 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.

**A300 Issues in United States History (3 cr.) 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.

**A301 Colonial America (3 cr.) S & H** Social, cultural, economic, and political development of colonial America from first contact between Native Americans and Europeans, up to the outbreak of the American Revolution. Topics include global capitalism, migration, slavery, consumerism, religious revivalism, and democracy.

**A302 Revolutionary America (3 cr.) 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.

**A303-A304 United States, 1789-1865 I-II (3-3 cr.) S & H** The young Republic from Washington's presidency through the Civil War. Political, economic, and social conditions and changes. Hamiltonian Federalists and Jeffersonian Republicans, the Jacksonian era, the slavery conflict, and the crisis of the Union. I., 1789-1829. II., 1829-1865.

**A307 American Cultural History (3 cr.) 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.

**A309 The South before the Civil War (3 cr.) 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.

**A310 Survey of American Indians I (3 cr.) S & H, CSA** The Native American experience from the pre-Columbian period through American Civil War. Lectures and readings will focus upon Native American cultural patterns, and the Native American response to French, British, and American Indian policies.

**A311 Survey of American Indians II (3 cr.) S & H, CSA** Native American-white relations from Civil War through 1980s. Focus on Native American attempts to defend their homelands in American West, establishment of Indian reservations in late nineteenth century. Impact of the Sawes and Wheeler-Howard Acts, emergence of Native American church, urbanization of Native Americans in twentieth century.

**A313 Origins of Modern America, 1865-1917 (3 cr.) S & H** 1865-1917: social, economic, cultural, and political ways in which Americans accommodated and resisted changes introduced by large-scale industrialization. Populism and progressivism receive special attention.

**A315 United States History since World War II (3 cr.) S & H** Political, demographic, economic, and intellectual transformations from 1945 to the present: World War II, Cold War, problems of contemporary America.

**A317 Modern American Social and Intellectual History (3 cr.) S & H** Development of modern American intellectual and social patterns since 1880. Social thought, literature, science, the arts, religion, morals, education.

**A319 The Presidents and the Press (3 cr.) S & H** Relationship in American history between the presidents and the press over the decades: its bearing on the success or failure of particular administrations, and its important role in the American system of government.

**A325-A326 American Constitutional History I-II (3-3 cr.) 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. I., 1607-1865. II., 1865-present.

**A337-A338 American Frontier I-II (3-3 cr.) S & H** I: The Turner thesis: frontier and American character. America as frontier of Europe and Africa, 1500-1720. The frontier-rural mode of American life, 1720-1860: public domain, population growth, migration. II: The trans-Mississippi West. Frontier in literature and music. Miners, cowboys, Indians, settlers. The Hispanic West. The West becomes metropolitan.

**A345-A346 American Diplomatic History I-II (3-3 cr.) S & H** American diplomacy from 1775 to 1823; diplomacy of American continental expansion to 1898. America as a world power. Involvement in Far Eastern affairs after 1898, diplomacy of World Wars I and II, developments to present.

**A347 American Urban History (3 cr.) 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).

**A351 The United States in World War II (3 cr.) S & H** Examination of U.S. effect on the outcome of World War II and change in America caused by the war. Major topics: the process of U.S. involvement, strategies of the major land and sea campaigns, relations within the Grand Alliance, development of the A bomb, and the origins of the Cold War.

**A352 History of Latinos in the United States (3 cr.) S & H, CSA** Latino experience in the United States from 1848. Economic and social factors of the Latino role in a non-Latino nation. Credit given for only one of HIST A352 and LATS L210.

**A353-A354 American Economic History I-II (3-3 cr.) S & H** Historical development of American economy; colonial and early national economic growth, agricultural specialization and unrest, transportation, industrialization,

urbanization, big business and its regulation, labor organization, foreign trade, problems of wars and depressions. I., to 1860. II., since 1860.

**A355-A356 (AAAD A355-A356) Afro-American History I-II (3-3 cr.) S & H, CSA** History of blacks in the United States. I: Slavery, abolitionism, Reconstruction, post-Reconstruction to 1900. II: 1900 to present; migration north, NAACP, Harlem Renaissance, postwar freedom movement.

**A361-A362 Studies in American History for Teachers I-II (3-3 cr.) S & H** Contemporary bibliography and interpretations of major problems in United States history.

**A363 Survey of Indiana History (3 cr.) S & H** A survey of Indiana history and culture from the original inhabitants to recent times, with emphasis on the growth of a distinctive Hoosier culture.

**A365 The Republican Party, 1854 to Present (3 cr.) S & H** Origins of modern Republican party; significance of Lincoln, Civil War, and Reconstruction; party divisions over civil service reform, tariffs, monetary policies, and immigration; impact of Theodore Roosevelt and Progressives; ascendancy in 1920s and disasters in 1930s and 1940s; McCarthyism; Eisenhower, triumph of conservatives; and beyond.

**A366 The Democratic Party, 1828 to Present (3 cr.) S & H** Antecedents of Democratic party; the Jacksonian coalition; party divisions on major antebellum issues; era of Civil War and postwar reconstruction; resurgence under Presidents Cleveland and Wilson; harmony and discord from Al Smith to Jimmy Carter; and beyond.

**A369 Issues in Early United States History (3 cr.) 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.

**A370 Africans in Colonial America (3 cr.) S & H** This course examines the experience of African people in the British colonies of North America, stressing the origins and dynamics of African American cultures and communities prior to the American Revolution.

**A379 Issues in Modern United States History (3 cr.) 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.

**A380 The Vietnam War (3 cr.) 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.

**A381 Civil Rights Era in the United States (3 cr.) S & H** Examination of race and racial protest after 1945. A look at several protest organizations, key social battles, individual leaders, and the struggle to end racial segregation and exclusion in education, politics, public accommodations, the workplace, and housing. Credit given for only one of A381 or AFRO A405.

**A382 The Sixties (3 cr.) 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.

**A383 From Ragtime to Rap: Popular Music in the Making of Modern America (3 cr.) S & H** History of popular music in the social, cultural, political, and economic history of the modern United States. Examination of a broad range of musical cultures from the late nineteenth century to the present, including ragtime, Tin Pan Alley, jazz, swing, Broadway, blues, gospel, country, Cajun, Zydeco, Tex-Mex, rhythm and blues, folk, rock and roll, soul, and rap. Considers the interrelationship between music on the one hand, and class, gender, race, ethnicity, and generation, on the other, and the role of popular music in American mythmaking.

**A384 America Before the Civil War (3 cr.) 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.



**A389 Twentieth-Century American Intellectual History (3 cr.) S & H** A survey of American intellectual history in the twentieth century. This course examines the evolution of American thought and culture since the 1890s, as well as the public role of intellectuals as a social group. Topics to be considered include the modern progressive tradition and its radical and conservative critics; the place of religion in a secular culture; the rise of modern feminism and cultural radicalism; debates about American national identity in an age of racial and ethnic pluralism; and the responses of intellectuals to two world wars, the Great Depression, the Cold War, and the upheavals of the 1960s.

**A400 Issues in United States History (3 cr.) 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*

**B204 Medieval Heroes (3 cr.) S & H, TFR** 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.

**H206 Medieval Civilization (3 cr.) S & H, CSA** 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.

**H209 The Origins of Britain (3 cr.) S & H, CSA** England to 1688. Political and constitutional developments, particularly in relation to Henrician Reformation and Puritanism. I Sem.

**H210 Britain's Road to Modernity (3 cr.) S & H, CSB** England from 1688 to present. Political and economic movements, such as liberalism and socialism, arising out of the industrialization of Britain. II Sem.

**H213 The Black Death (3 cr.) S & H, CSA** 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.

**H231 The Family in History (3 cr.) S & H, TFR** 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.

**H251 Introduction to Jewish History: From the Bible to Spanish Expulsion (3 cr.) S & H, CSA** 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.

**H252 Introduction to Jewish History: From Spanish Expulsion to the Present (3 cr.) S & H, CSA** 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.

**B100 Issues in Western European History (3 cr.) 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.

**B200 Issues in Western European History (3 cr.) 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.

**B224 The Emergence of Europe (3 cr.) S & H** This course seeks to answer the questions of how and why Europe emerged as the dominant political and economic power in the world, succeeding in subjugating other peoples around the globe, and then lost that role.

**B260 Women, Men, and Society in Modern Europe (3 cr.) S & H, CSB** 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.

**B300 Issues in Western European History (3 cr.) 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.

**B301 Issues in Medieval European History (3 cr.) S & H**

Study and analysis of selected historical issues and problems in the history of the European Middle Ages (200-1500 CE). Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**B302 Issues in Early Modern European History (3 cr.) S & H**

Study and analysis of selected historical issues and problems in the early Modern Period (1400-1800 CE). Topics will vary but usually cut across fields and regions. May be repeated with a different topic for a maximum of 6 credit hours.

**B303 Issues in Modern European History (3 cr.) 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.

**B315 European Anti-Semitism since the Enlightenment (3 cr.) 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.

**B321 Modern Jewish History: from Expulsion to Revolution (3 cr.) S & H, CSA** 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.

**B322 Jews in the Modern World (3 cr.) S & H, CSA**

Topics include Emancipation, the Jewish Enlightenment, modern Judaism, Eastern European Jewry, Jewish politics, women in Jewish society, American Jewry, the Holocaust, Israel.

**B323 History of the Holocaust (3 cr.) S & H, CSA**

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.

**B324 Zionism and the State of Israel (3 cr.) S & H, CSA**

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.

**B325 Christian-Jewish Relations (3 cr.) S & H**

Mutual relations between Christians and Jews in western Europe from the Middle Ages to the nineteenth century; continuity and change in the development of anti-Semitism; Jewish perceptions of Christians and Christianity.

**B342 Women in Medieval Society (3 cr.) S & H**

An overview of the history of women in the medieval west. The situation of women will be addressed according to their position in society—whether it noblewoman, queen, peasant, saint, or prostitute. Both primary and secondary sources will be examined. Attention will also be paid to medieval theories about women and prevailing attitudes toward women, as expressed in both learned and popular circles. Methodological and epistemological problems will be highlighted.

**B343 Medieval Sexuality (3 cr.) S & H**

Christian theorists were convinced that human sexuality underwent an irreversible debasement as a result of the sin of Adam and Eve—a negative perspective that remains with us. This course will grapple with both the origins of this negative bequest as well as some of the anomalies of the medieval tradition. By examining the institutions and ideas that dominated the construction of gender in the Middle Ages, this course will illuminate problems such as the cult of virginity, a clerical gay subculture, transvestite saints, and many others. What will emerge is not one but many “sexualities.”

**B351 Western Europe in the Early Middle Ages (3 cr.) S & H, CSA**

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.

**B352 Western Europe in the High and Later Middle Ages (3 cr.) S & H, CSA 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.

**B353 The Renaissance (3 cr.) S & H, CSA**

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.

**B354 The Reformation (3 cr.) S & H, CSA**

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.

**B355 Europe: Louis XIV to French Revolution (3 cr.) S & H, CSA**

Absolutism to enlightened despotism; the European state and its authority in fiscal, judicial, and military affairs; sources, content, diffusion of the Enlightenment; agriculture, commerce, and industry in preindustrial economies; Old Regime France.

**B356 French Revolution and Napoleon (3 cr.) S & H, CSA**

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.

**B357 Modern France (3 cr.) S & H, CSB**

A social, political, and cultural survey of France in the nineteenth and twentieth centuries.

**B358 The Industrial Revolution and the Economic Development of Europe (3 cr.) S & H**

Examination of the conversion of Europe from an agricultural to an industrial society with global influences. Topics include the roots of modern economic growth in European society and the contributions of science and technology, trade, government, and population; the impact of industrialization on living standards; the patterns of economic development in Britain, France, and Germany; the causes and consequences of the Industrial Revolution.

**B359-B360 Europe from Napoleon to the First World War I-II (3-3 cr.) S & H, CSB**

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.

**B361-B362 Europe in the Twentieth Century I-II (3-3 cr.) 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.

**B366 Paris and Berlin in the 1920s: A Cultural History (3 cr.) S & H, CSB**

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.

**B368 Modern Italy (3 cr.) S & H, CSB**

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.

**B374 The Cultures of Modern Europe (3 cr.) S & H, CSB**

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).

**B377-B378 History of Germany since 1648 I-II (3-3 cr.) S & H, CSB**

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.

**B400 Issues in Western European History (3 cr.) 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***C100 Issues in Ancient and Near East History (3 cr.) 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.

**C200 Issues in Ancient History (3 cr.) 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.

**H203 Islamic Civilization to 1300 (3 cr.) S & H, CSA**

Pre-Islamic Arabia, the Prophet Muhammad, Umayyad and Abbasid caliphates, Saljuq and Mongol invasions. Islamic art, architecture, and literature of the early period.

Relations among Christians, Jews, and Arabs; trade, navigation, technology, and Islamic science. From 600 to 1300 A.D.

**H205 Ancient Civilization (3 cr.) S & H, CSA** 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.

**C300 Issues in Classical and Byzantine History (3 cr.) 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.

**C305 Issues in Near Eastern History (3 cr.) 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.

**C380 History of Ancient Medicine (3 cr.) S & H** History of ancient medicine in Mesopotamia, Egypt, Greece (Homeric, Hippocratic, and Asclepian), China, India, Alexandria, and Rome (Soranus, Galen, and the medical service of the Roman army), and modern uses of humoral theory. Major focus is on the Hippocratic treatises as primary sources.

**C386 Greek History from the Minoans to Alexander (3 cr.) S & H R:** One of the following: H205, CLAS C101, C206, C412, C413, or consent of instructor. Political, social, and economic developments in Greek world from the Bronze Age through the fourth century: Trojan War, Persian Wars, Periclean Athens, Sparta, archaeological and literary sources.

**C387 Greek History from Alexander to Cleopatra (3 cr.) S & H R:** One of the following: H205, C386; CLAS C101, C206, C412, C413; or consent of instructor. Fourth-century Athens and the rise of Macedonia under Philip, Macedonian hegemony of Greece, Alexander's conquests, and the hellenistic kingdoms. The culture of the hellenistic world; science, art, urbanization, new roles for women.

**C388 Roman History (3 cr.) S & H, CSA P:** One of the following: H205; CLAS C101, C102; or consent of instructor. 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.

**C390 The Decline and Fall of the Roman Empire (3 cr.) S & H, CSA P:** One of the following: H205; CLAS C101, C102; or consent of instructor. 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.

**C391 History of Medieval Near East (3 cr.) S & H** Rise of Islam to the fall of Baghdad to Mongols. Muhammad, prophet and statesman; Islam; Muslim commonwealth of Medina; Orthodox Caliphate; wars of apostasy and unification of Arabia; Islamic conquests; Umayyads; Abbasids; fall of Baghdad and end of Abbasid Caliphate A.D. 1258.

**C393 Ottoman History (3 cr.) S & H, CSA** Political, social, and economic developments in Ottoman Empire from rise of its power in Antolia (1299) to the end of the classical period (1826). Evolution of Ottoman institutions and relations with major European powers.

**C400 Issues in Ancient History (3 cr.) 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*

**D100 Issues in Russian and East European History (3 cr.) 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.

**D101 Icon and Axe: Russia Through the Ages (3 cr.) S & H, CSA** Principal events, leaders, and questions in Russia's development from earliest times to the present, including the founding of the Russian state, Ivan the Terrible, enserfment of the peasantry, Peter the Great's reforms, imperial expansion, industrialism, revolutions of the twentieth century, Stalinism, and the fall of the Soviet Union. Credit given for only one of H261 or D101.

**D200 Issues in Russian/East European History (3 cr.) 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.

**H223 Between Rome and Constantinople: Eastern Europe and Russia to Mid-Fifteenth Century (3 cr.) S & H, CSA** Development of Slavic and non-Slavic peoples and the influences of the Holy Roman and Byzantine empires on their multiple cultures; Mongol conquest of Steppe and Rus'; problems of nation-states; the Renaissance; the Czech-Hussite Reformation; invasion of Ottoman Turks and Islam; and the fall of Constantinople and ascendancy of Muscovy.

**D300 Issues in Russian/East European History (3 cr.) 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.

**D302 The Gorbachev Revolution and the Collapse of the Soviet Empire (3 cr.) S & H, CSA** 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.

**D303 Heroes and Villains in Russian History (3 cr.) S & H, CSA** 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.

**D304 Jews of Eastern Europe (3 cr.) S & H, CSA** 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.

**D305 Women in Russian History and Soviet Society (3 cr.) S & H, CSA** R: H202 and D302/REEI R302. Women's contribution to Russian history and the woman question in Soviet society. Includes working women, revolutionary women, feminism, women of privilege. Social, political, and cultural histories are treated.

**D306 Muscovy and Imperial Russia, 1500-1801 (3 cr.) S & H, CSA** 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.

**D308 Empire of the Tsars (3 cr.) S & H, CSA** 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.

**D309 Russia in World War II: Battles and People (3 cr.) S & H, CSA** 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.

**D310 Russian Revolutions and Soviet Regime (3 cr.) S & H, CSA** 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.

**D320 Modern Ukraine (3 cr.) S & H, CSA** 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.

**D321 Hungarian History and Civilization to 1711 (3 cr.) S & H, CSA** 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.

**D322 Hungarian History and Civilization 1711-1918 (3 cr.) S & H, CSA** 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.

**D325 Path to Emancipation: Nationalism in the Balkans, 1804-1923 (3 cr.) S & H, CSA** Decline of the Ottoman Empire. Revolutionary traditions and movements; peasant societies and folk customs; literary and linguistic nationalism; Balkan irredentism. Formation of Serbian (Jugoslav), Greek, Rumanian, Bulgarian, Albanian, and Turkish national states.

Austro-Hungarian, Russian, and British influence and imperialism in southeastern Europe and Near East. Credit given for only one of D425 or D325.

**D327 Nation-Making and Imperial Decline in East Central Europe, 1780-1918 (3 cr.) S & H, CSA** 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.

**D329 Eastern Europe in the First Half of the Twentieth Century (3 cr.) S & H, CSA** 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 1930's; 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.

**D330 Eastern Europe in the Second Half of the Twentieth Century (3 cr.) S & H, CSA** 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.

**D400 Issues in Russian/East European History (3 cr.) 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.

#### *African History*

**E100 Issues in African History (3 cr.) 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.

**E200 Issues in African History (3 cr.) 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.

**H227 African Civilizations (3 cr.) S & H, CSA** Introduction to African culture; African environment; early humans in Africa; precolonial history; traditional political, economic, and social systems; language, religion, art, music, literature.

**E300 Issues in African History (3 cr.) 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.

**E331 African History from Ancient Times to Empires and City States (3 cr.) S & H, CSA** Origins and groupings of peoples of Africa; political, social, and economic evolution to 1750; Africa's contacts with ancient world, trans-Sahara and Indian Ocean trades, growth of states and empires, spread of Islam. Credit given for only one of E431 or E331.

**E332 African History from Colonial Rule to Independence (3 cr.) S & H, CSA** 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.

**E333 Conflict in Southern Africa (3 cr.) S & H, CSA** 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.

**E334 History of Western Africa (3 cr.) S & H, CSA** 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.

**E336 History of East Africa (3 cr.) S & H, CSA** 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.

**E338 History of Muslim West Africa (3 cr.) S & H, CSA** 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.

**E400 Issues in African History (3 cr.) 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.

*Latin American History*

**F100 Issues in Latin American History (3 cr.) 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.

**F200 Issues in Latin American History (3 cr.) 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.

**H211-H212 Latin American Culture and Civilization I-II (3-3 cr.) S & H, CSA I:** 1492-1850. African, Indian, Spanish, Portuguese heritage. Discovery and conquest. Clash of cultures. Spanish empire. Society, culture, economics, politics. Bourbon reform, independence, new republics. II: 1850-present. Cultural and national identities. Diplomacy, dictators, social progress. National cultures. Mexican revolution: Latin America in a world community. Revolution and counterrevolution. H211, I Sem., II Sem., SS; H212, I Sem., II Sem., SS.

**F300 Issues in Latin American History (3 cr.) 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.

**F336 Modern Central American History (3 cr.) S & H, CSA** 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.

**F343 Modern Brazil since 1850 (3 cr.) S & H, CSA** Brazil from modernization to the present. Selected topics in political, social, and cultural development. Credit given for only one of F443 or F343.

**F345 History of Cuba and Puerto Rico (3 cr.) S & H, CSA** 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.

**F346 Modern Mexico (3 cr.) S & H, CSA** 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.

**F400 Issues in Latin American History (3 cr.) 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.

*Asian History*

**G100 Issues in Asian History (3 cr.) 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.

**G101 East Asia in World History (3 cr.) S & H, CSA** 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.

**G200 Issues in Asian History (3 cr.) 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.

**H207 (EALC E252) Modern East Asian Civilization (3 cr.) S & H, CSA** 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.

**H208 American–East Asian Relations (3 cr.) S & H, CSA** 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.

**H237 Traditional East Asian Civilization (3 cr.) S & H, CSA** 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 H237 or EALC E251.

**H238 Introduction to South Asian History and Civilization (3 cr.) S & H, CSA** 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.

**G300 Issues in Asian History (3 cr.) 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.

**G350 Modern South Asia: Eighteenth to Twentieth Century (3 cr.) S & H, CSA** 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.

**G357 Premodern Japan (3 cr.) S & H, CSA** 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.

**G358 Early Modern Japan (3 cr.) S & H, CSA** 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.

**G369 Modern Japan (3 cr.) S & H, CSA** 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.

**G372 Modern Korea (3 cr.) S & H, CSA** 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 to 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.

**G380 Early China (3 cr.) S & H, CSA** 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.

**G382 China: The Age of Glory (3 cr.) S & H, CSA** 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.

**G383 China: The Later Empires (3 cr.) S & H, CSA** 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.



**G385 Modern China (3 cr.) S & H, CSA**

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.

**G387 Contemporary China (3 cr.) S & H, CSA**

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.

**G400 Issues in Asian History (3 cr.) 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***H115 Freshman Seminar in History: Topics (3 cr.) S & H**

Introduction to the study of history through special focus on particular historical themes. Freshmen only.

**J200 Seminar in History (3 cr.) S & H**

P: Consent of instructor. Freshmen and sophomores. Selected topics of history. May be repeated twice for credit. I Sem., II Sem.

**H217 The Nature of History (3 cr.) S & H**

An introductory examination of (1) what history is, (2) types of historical interpretation, (3) common problems of historians, and (4) the uses of history. I Sem., II Sem.

**J300 Seminar In History (3 cr.) 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.

**J301 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.

**J400 Seminar in History (3 cr.) S & H P: J300.**

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.

**J450 Seminar in Women's History (3 cr.)**

**S & H** Selected topics on women's history. Geographical areas will vary. May be taken three times for credit.

**T300 Issues in History (3 cr.) 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.

**T400 Issues in History (3 cr.) 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.

**T495 Undergraduate Readings in History (1-12 cr., 12 cr. maximum)****H496 Internship in History (1-6 cr.) S/F grading.**

P: at least junior standing and 12 credit hours of related course work; prior arrangement with individual faculty member. 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***K392 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.

**K393 Reading for Honors (1-12 cr., 12 cr. max.)**

P: approval of departmental honors committee.

**K493 Reading for Honors (1-12 cr., 12 cr. max.)**

P: approval of departmental honors committee.

**K498 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.

**K499 Senior Honors Thesis (1-6 cr., 6 cr. maximum)**

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.

# History and Philosophy of Science

## Faculty

**Chairperson** Professor William Newman

**Professors** Colin Allen, Elisabeth Lloyd, Domenico Bertoloni Meli, William Newman

**Associate Professors** James Capshew, Ann Carmichael, Jordi Cat

**Assistant Professors** Sander Gliboff, Amit Hagar, Jutta Schickore

**Academic Advising** Goodbody Hall 130, (812) 855-3622

## Introduction

The Department of History and Philosophy of Science (HPSC) is concerned with the structure and development of science and the interplay between science and society. The department provides a diverse set of courses for undergraduates interested in the logical foundations of scientific knowledge, the scientific method, the rise of science from its origins to the present, and the impact of science on both intellectual and institutional life.

## Undergraduate Courses

Because the department does not offer an undergraduate major, almost no course requires a previous history and philosophy of science 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 30 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.

## Area 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, 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, Mathematics, Philosophy, Physics, Psychology, Religious Studies, and Sociology; and the Schools of Business, Education, Journalism, and Public and Environmental Affairs. In this way, the program involves several different tracks that integrate the sciences and the humanities in a variety of ways: (1) medicine and health; (2) science writing, literature, and literacy; (3) science, technology, and the environment; (4) science, computation, and information; (5) science and pseudo-science.

**Requirements** Students must complete 25 credit hours—24 credit hours of course work divided into eight 3 credit courses, with an extra credit hour given for a capstone research project. Four of the courses, totaling 12 credit hours, will be in the Department of History and Philosophy of Science, 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 core course in the history of science, offered every semester under the presently existing course number X102, is required for all students in the program. Three other HPSC courses, one of which must be at or above the 300 level, are also required. Four courses from other relevant units, adapted to the particular track elected by the student, will then 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.

## Minor in History and Philosophy of Science

**Requirements** 18 College of Arts and Sciences credit hours in history and philosophy of science, chosen in consultation with the director of undergraduate studies, including:

1. At least one course at the 300 or 400 level.
2. Not more than three courses from the following: X100, X102, X110, X200, X207.

## 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.

### **X100 Human Perspectives on Science (3 cr.)**

**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.

**X102 Revolutions in Science: Plato to NATO (3 cr.) 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.

**X110 Scientists at Work: from Frankenstein to Einstein (3 cr.) 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.

**X200 Scientific Reasoning (3 cr.) 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.

**X207 The Occult in Western Civilization (3 cr.) 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.

**X253 Inductive Reasoning (3 cr.) 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.

**X205 Introduction to Medical History (3 cr.) S & H** From primitive humans to the present: survey of medical concepts, systems of health care, and the social relations of physician and patient.

**X210 Technology and Culture (3 cr.) 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?

**X222 Big Science in the Twentieth Century (3 cr.) 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.

**X308 History of Biology (3 cr.) 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.

**X338 Science and Religion (3 cr.) 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.

**X369 History of American Science (3 cr.) 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.

**X370 Science and Gender (3 cr.) 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.

**X371 Topics in the Science of Sex and Gender (3 cr.) 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.

**X493 Structure and Methods of the Life Sciences (3 cr.) 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.

**X390 Space, Time, and Relativity (3 cr.)**

**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.

**X391 Philosophical Issues in Quantum Theory (3 cr.)**

**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.

**X394 Structure and Methods of the Life**

**Sciences (3 cr.)** **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.

**X406 Survey of History of Science up to 1750**

**(3 cr.)** **S & H** Ancient, Medieval, Renaissance, and Enlightenment science.

**X407 Survey of History of Science since 1750**

**(3 cr.)** **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.

**X451 Scientific Understanding (3 cr.)**

**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.

**X452 Modern Philosophy of Science (3 cr.)**

**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 Poincare, Moritz Schlick, and Rudolf Carnap.

**X456 Philosophy of Science in Antiquity**

**(3 cr.)** **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.

**X123 Perspectives on Science: Social and Historical (3 cr.)**

**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.

**X126 Perspectives on Science: Natural and Mathematical (3 cr.)**

**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.

**X220 Issues in Science: Humanistic (3 cr.)**

**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.

**X223 Issues in Science: Social and Historical (3 cr.)**

**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.

**X226 Issues in Science: Natural and Mathematical (3 cr.) 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 towards 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.

**X300 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.

**X320 Topics in Science: Humanistic (3 cr.) 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.

**X323 Topics in Science: Social and Historical (3 cr.) 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.

**X326 Topics in Science: Natural and Mathematical (3 cr.) N & M** Specialized topics and themes relating to the logic and methods of the natural and mathematical sciences, with a view towards 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.

**X420 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

L369 Heredity, Evolution, and Society (3 cr.)  
N & M

### College of Arts and Sciences (COLL) Topics Courses

E103 Topics in Arts and Humanities

Approved topic: Quantum Mysteries for Everyone (3 cr.) A & H

E104 Topics in Social and Historical Studies (3 cr.) S & H

Approved topics: Genetics, Eugenics, and Biotechnology; The Occult in Western Civilization; Evolution, Religion, and Society; What Is Science? And, Who Cares? All You Ever Wanted to Know; Voyages of Scientific Discoveries

E105 Topics in Natural and Mathematical Sciences (3 cr.) N & M

Approved topics: Scientific Revolutions; Rational Decision Making

### English

L141-L142 Introduction to Writing and the Study of Literature I-II (4-4 cr.) A & H

Approved topic: Science, Society, and the Self

L240 Literature and Public Life (3 cr.) A & H

Approved topic: Literature and Medicine

### History

H213 The Black Death (3 cr.) S & H, CSA

H333 Epidemics in History (3 cr.) S & H

J400 Seminar in History (3 cr.) S & H

Approved topic: Sickness and Health in Society

C380 History of Ancient Medicine (3 cr.) S & H

### Hutton Honors College

H205 Interdepartmental Colloquia (3 cr.)  
N & M, TFR

### Physics

P211 Global Energy Problems: Technological Options and Policy Choices (3 cr.) N & M

### Sociology

S319 Science, Technology, and Society (3 cr.)  
S & H

### School of Public and Environmental Affairs

E262 Environmental Problems and Solutions (3 cr.)

H316 Environmental Science and Health (3 cr.)

H322 Principles of Epidemiology (3 cr.)

# Human Biology

**Director** Associate Professor Whitney M. Schlegel (Biology)

**Academic Advising** Kate Emblom, Jordan Hall A009, (812) 855-2250

**E-mail** [humbio@indiana.edu](mailto:humbio@indiana.edu)

**Web Site** [www.indiana.edu/~humbio/index.shtml](http://www.indiana.edu/~humbio/index.shtml)

## Introduction

Many of the major problems facing humanity today, from environmental degradation and global change to AIDS, cancer, and the costs of health care, involve both a biological component and a social component. Scientific approaches to such problems are essential, but they must be broadly scientific, integrating what we know of the biological component with an understanding of the social, cultural, and ethical settings in which these problems exist. The Human Biology Program within the College of Arts and Sciences on the Bloomington campus of Indiana University offers courses and a certificate program that engage students in a deep understanding of cultural diversity and the international context of complex scientific issues.

## Area 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 does the social construct of our society 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 Area Certificate in Human Biology.

**Requirements** A student may earn an area 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 27-28 credit hours as follows:

1. Biology L112 Introduction to Biology: Biological Mechanisms (3 cr.)
2. Biology L211 Molecular Biology (3 cr.)
3. Medical Sciences M131 Disease and the Human Body (3 cr.)
4. Anatomy A215 Basic Human Anatomy (5 cr.)
5. Physiology P215 Basic Human Physiology (5 cr.) or BIOL P451 Integrative Human Physiology (4 cr.)
6. Biology L350 Environmental Biology (3 cr.) or Anthropology B370 Human Variation (3 cr.)
7. Psychological and Brain Sciences P201 An Introduction to Neuroscience (3 cr.) or P315 Developmental Psychology (3 cr.) or P326 Behavioral Neuroscience (3 cr.)
8. Religious Studies R373 Religion, Ethics, and Medicine (3 cr.)
9. Learning Enhancement in Biology L390 (1 cr.)

## Course Descriptions

### **B101 The Human Organism (3 cr.) N & M**

C: B102. Integrated study of human physiology, metabolism, genetics, evolution, environment, behavior, and culture examined through cases and collaborative learning to emphasize the scientific method and uncertainty as fundamental to scientific inquiry and discovery. Content will align with the expertise of faculty, student learning interests, and complex problems facing a global society.

### **B102 Seminar in Human Organisms (1 cr.)**

C: B101. Interdisciplinary, interactive, and community-building seminar promoting student-guided exploration of questions uncovered in B101. Students will deepen their understanding through written and oral work and projects. They will develop an e-portfolio to document and reflect upon their learning and personal growth.

### **B201 Human Dilemmas (3 cr.) N & M P: B101.**

C: B202. Social and ethical bases of the human biological experience and of the construction of scientific knowledge. In-depth consideration of contemporary issues using team- and case-based approaches, quantitative and qualitative data analyses, and effective communication of evidence, interpretations, and claims.

### **B202 Seminar in Human Dilemmas (1 cr.)**

C: B201. Interdisciplinary, interactive, and community-building seminar promoting student-guided exploration of questions uncovered in B201. Students will deepen their understanding through written and oral work and projects. They will develop an e-portfolio

to document and reflect upon their learning and personal growth.

**B301 The Intricate Human (3 cr.) N & M**  
P: B201. C: B302. Complex interrelationships among human biology, environment, culture, society, and behavior examined through case-based and problem-oriented approach. Students research complex problems in human biology to identify effects of personal decisions and effects of scientific advances on society and the environment. Student inquiry emphasizes rationale for scientific judgments and peer review.

**B302 Seminar in the Intricate Human (1 cr.)**  
C: B301. Interdisciplinary, interactive, and community-building seminar promoting student-guided exploration of questions uncovered in B301. Students will deepen their understanding through written and oral work and projects. They will develop an e-portfolio to document and reflect upon their learning and personal growth.

**B401 Complex Problems of Humanity (3 cr.)**  
N & M P: B301. C: B402. Capstone experience focusing on the interface of science and society. Students apply the foundations of science to real-world problems like global warming, groundwater issues, fossil fuel consumption, infectious disease, and global healthcare, and consider the uses of scientific evidence and ways of knowing in identifying and implementing change.

**B402 Seminar in Complex Problems of Humanity (1 cr.)** C: B401. Interdisciplinary, interactive, and community-building seminar promoting student-guided exploration of questions uncovered in B401. Students will deepen their understanding through written and oral work and projects. They will develop an e-portfolio to document and reflect upon their learning and personal growth.

**B460 Peer Instruction in Human Biology (3 cr.)**  
P: Consent of Human Biology Program Director. Supervised teaching and mentoring experience in undergraduate Human Biology courses.



# India Studies

## Faculty

**Director and Rabindranath Tagore Professor of Indian Cultures and Civilizations**

Sumit Ganguly

**Associate Director** Arvind Verma (Criminal Justice)

**College Professor** Henry Glassie (Folklore and Ethnomusicology)

**Professors** Jamsheed Choksy (Central Eurasian Studies), Sumit Ganguly (Political Science, India Studies), David L. Haberman (Religious Studies), John Walbridge (Near Eastern Languages and Cultures)

**Associate Professors** Purnima Bose (English), Steven Raymer (Journalism), Rakesh H. Solomon (Theatre and Drama), Elliot Sperling (Central Eurasian Studies), Arvind Verma (Criminal Justice)

**Assistant Professors** Rubiana Chamrbagwala (Economics), Michael Dodson (History, India Studies), Rebecca Manring (India Studies, Religious Studies), Radhika Parameswaran (Journalism), Pravina Shukla (Folklore and Ethnomusicology)

**Academic Advising** 825 E. Eighth Street, (812) 855-5798

## Introduction

The 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.

## Major in India Studies

Purpose The India Studies Major is designed primarily for undergraduate students in the College of Arts and Sciences at the Bloomington campus. The major may also be of interest to students in the various professional schools. The program offers regular work in beginning, intermediate, and advanced modern standard Hindi and classical Sanskrit. Students interested in instruction in other South Asian languages should consult the India Studies director. The India Studies Program, together with cognate programs in Central Asian, West Asian, and East Asian studies, also makes possible advanced work in Buddhist studies and Islamic studies with a focus on India.

**Requirements** Students must complete the following:

1. 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.)
2. Two semesters (a minimum of 10 credit hours) of modern standard Hindi, Classical Sanskrit, or an appropriate substitute-Arabic, Persian, Tibetan, a sequence of courses in Indo-Anglian literature or a semester/year course of study in India-all of which must be approved in advance by the director of India Studies and must fulfill the 10 credit hour language requirement.
3. A minimum of 15 credit hours of India Studies courses, including the following:
  - a. I300
  - b. At least one course at the 300 level from the Literary and Performance Studies group;
  - c. At least one course at the 300 level from the Philosophical and Religious Studies group;
  - d. At least one course at the 300 level from the Social, Political, and Historical Studies group;
  - e. One additional course at the 300 level chosen from any one of the three groups.
4. One course (3 credit hours) at the 400 level in India Studies.

See the India Studies Advising Office, 825 E. Eighth Street, for a listing of courses in each group.

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

**Note:** With the approval of both departments and the College, one course may be cross-listed in both majors. A minimum of 25 College of Arts and Sciences credit hours must be taken in each major subject area.

## Certificate in India Studies

The undergraduate area certificate in India Studies requires 24 credit hours, including the core course for India Studies, I300 Passage to India: Emperors, Gurus, and Gods; 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), with the remainder of the units coming 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 group. 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 India Studies, be counted towards the certificate program. The first two years of language instruction in Hindi or Sanskrit, however, will not count towards completion of the certificate.

Finally, it should be noted that only four courses from a student's major may be double-counted towards the India Studies certificate.

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

**Requirements** 15 credit hours, chosen in consultation with the director, including:

1. I300.
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. At least 9 credit hours at the 300 level or above.



See the India Studies Advising Office, 825 E. Eighth Street, for a listing of courses in each group.

Only two courses from a student's major may be counted towards the India Studies minor.

All students in the minor 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. The first two years of language instruction in Hindi and Sanskrit, however, will not count toward completion of the minor. 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.

## 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, Franklin Hall 303, (812) 855-9304.

## Course Descriptions

**H100 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.

**H150 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.

### H200 Second-Year Hindi I (3 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.

**H250 Second-Year Hindi II (3 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 synopsis from the reading material orally and in writing. Increase speaking skill to narrate and describe with short connected discourse.

**I211 Introduction to South Asian History S & H** 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.

**I212 The Civilization of Tibet (3 cr.) S & H, CSA** Introduction to the diverse aspects of Tibetan civilization. Topics include Tibet's literature, art, religion, society, history, and language.

**I300 Passage to India: Emperors, Gurus, and Gods (3 cr.) A & H, CSA** Critical survey of the development of the major periods of Indian civilization(s), including Hindu, Buddhist, Jain, Islamic, and Sikh historical periods as well as the emergence of India as a modern nation-state, together with an introduction to the art, music, literature, drama, philosophy, religion, and social reality of the subcontinent.

**I303 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.

**I320 Contemporary India: History, Politics, and Society (3 cr.) S & H, CSA** 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.

**I339-I340 Elementary Sanskrit I-II (5-5 cr.)** Introduction to Sanskrit, a classical language of ancient India. Basic grammatical structure and vocabulary in preparation for the reading of both secular and religious texts. Credit not given for both I339-I340 and LING L339-L340.

**I347 Meditation Traditions of India (3 cr.) A & H, CSA** 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.

**I349-I350 Intermediate Sanskrit I-II (4-4 cr.)** P: I339/I340 or permission of instructor. These courses build directly on the grammatical, lexicographical, and semantic foundation given in the elementary courses. The main emphasis is on reading, translating, and interpreting Sanskrit texts. Grammatical analysis of the reading material will be complemented by the study of syntax. Issues of historical grammar will be discussed.

**I362 International Relations of South Asia (3 cr.) 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.

**I368 Philosophies of India (3 cr.) A & H, CSA** 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 I368, PHIL P328, or REL R368.

**I370 Literature of India in Translation: Ancient and Classical (3 cr.) A & H, CSA** Survey of the ancient and classical Sanskrit literature of India in translation, presented in cultural context.

**I371 Medieval Devotional Literatures of India (in translation) (3 cr.) A & H, CSA** 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.

**I380 Women in South Asian Religious Traditions (3 cr.) A & H, CSA** 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.

**I402 Introduction to the History of Tibet (3 cr.) S & H, CSA** 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.

**I412 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.

**I496 Individual Readings in Indic Studies (1-6 cr.) R:** 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.

**L100 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 different language from that of the first enrollment.

**L150 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 different language from that of the first enrollment.

**U100 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.

**U150 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.

**U200 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.

**U250 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.

#### **Cross-Listed Courses**

##### **Central Eurasian Studies**

U489 Tibet and the West (3 cr.) **S & H, CSA**

##### **Communication and Culture**

C413 Global Villages (3 cr.) **S & H**

##### **English**

L383 Studies in British or Commonwealth Culture (3 cr.) **A & H** (with appropriate focus approved by director)

##### **History**

J300 Seminar in History (3 cr.) **S & H** (with appropriate focus approved by director)

**Religious Studies**

R153 Religions of the East (3 cr.) **CSA**  
 R250 Introduction to Buddhism (3 cr.) **A & H,**  
**CSA, TFR**

R358 Hinduism (3 cr.) **A & H, CSA**

**Theatre and Drama**

T468 Non-Western Theatre and Drama (3 cr.)  
**A & H, CSA** (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**

**Director** Professor Raymond Hedin (English)

**Assistant Director** Paul Aarstad, Ballantine Hall 129, (812) 855-9588

**E-mail:** imp@indiana.edu

**Web Site** www.indiana.edu/~imp

**Admission Requirements**

Formal requirements for admission to the Individualized Major Program (IMP) are the same as those for the College of Arts and Sciences, except that the IMP requires a minimum cumulative GPA of 2.500. Students who do not meet this 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 formally present his or her case to an Admissions Committee. This does not, of course, guarantee that the student will be accepted into the IMP.

IMP students are extremely diverse; they have well-developed interests, are highly motivated, and are capable of carrying out independent work. The IMP enables such students to pursue a Bachelor of Arts (B.A.) degree in the College of Arts and Sciences through a course of study that, while meeting all College requirements and conforming to general university standards of breadth and rigor, is tailored to individual interests and goals. IMP students, working closely with their faculty sponsors, pursue interests that cut across usual departmental and disciplinary boundaries. Their programs normally combine regular courses from several departments with independent and self-directed work. It is recommended that seniors in the IMP take 1470 Individualized Major Program Senior Capstone Seminar (2 cr.).

Examples of majors that have been carried out under the auspices of the Individualized Major Program include musical theater, medical illustration, arts management, film/video production, paleobiology, environmental studies, screen writing, Latin American culture, photography, multimedia studies, public relations, animal psychology, and many others.

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 honors standards and if their project work is deemed of honors quality by the IMP review committee.

The Individualized Major Program is administered by a faculty committee that is responsible for granting admission to the program, for reviewing student programs under way, for evaluating a thesis or project, and for the final oral review.

Students who want detailed information concerning the IMP should consult with the assistant director in the office at Ballantine Hall 129, (812) 855-9588.

### Course Descriptions

#### **I360 Individualized Major Program, Readings and Research (regular grading) (1-3 cr.)**

P: Candidate for Individualized Major Program.

#### **I450 Individualized Major Program, Readings and Research (S/F grading) (cr. arr.)**

P: Admission to Individualized Major Program.

#### **I460 Individualized Major Program, Readings and Research (regular grading) (cr. arr.)**

P: Admission to Individualized Major Program.

#### **I470 Individualized Major Program Senior Capstone Seminar (2 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. Recommended for all IMP seniors.

## International Studies Program

### Faculty

**Director** Professor Daniel Knudsen

**Academic Advising** Tracy Bee, Woodburn Hall 332, (812) 856-1816, E-mail: intl@indiana.edu; Web: [www.indiana.edu/~intlweb/](http://www.indiana.edu/~intlweb/)

### Introduction

The major in International Studies (INTL) is designed to provide an intellectual foundation that enables students to communicate, collaborate, and work across national, cultural, linguistic, and socioeconomic boundaries. It fosters competencies students need in order to function successfully in a global environment and involves foreign language study as well as overseas experience.

The major is broadly constructed to allow flexibility as well as depth. Students explore the major by taking three introductory courses chosen from the following thematic areas: Culture and the Arts; Global Environment; Global Markets and Governance; Human Rights and Social Movements; International Communication; Nations, States, and Boundaries; and Rituals and Beliefs. They also are required to focus on one thematic area by taking three additional courses in that area.

Students must choose a regional concentration area with the approval of the international studies advisor in consultation with the director of the program. 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 Jewish diaspora). Normally, the regional concentration chosen should relate to the student's language study.

### Major in International Studies

**Requirements** Students must complete a minimum of 30 credit hours including the following:

1. Three courses chosen from I100, I201-I207; one of the three must introduce the chosen thematic concentration.
2. Three courses (at least 9 credit hours) at the 300-400 level from a single thematic concentration.
3. Three courses (at least 9 credit hours) at the 300-400 level from a regional concentration area.
4. Foreign language proficiency 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.

5. An overseas/international experience approved in advance by the director of the program.
6. I400 (3 credit hours)

**Note:** Students may need at least 36 credit hours to complete the requirements listed above, including foreign language proficiencies, and may need more than 36 credit hours to complete the overseas/international experience requirement.

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

### Minor in International Studies

Students should develop their minor in consultation with the International Studies advisor and their departmental advisors in their majors.

### Requirements

The minor comprises at least 15 credit hours of College of Arts and Sciences course work including the following:

1. I100 (3 credit hours.)
2. Two introductory level International Studies courses from the following thematic concentrations (6 credit hours):
  - a. Culture and the Arts
  - b. Global Environment
  - c. Global Markets and Governance
  - d. Human Rights and Social Movements
  - e. International Communication
  - f. Nations, States and Boundaries
  - g. Rituals and Beliefs
3. Students must choose one thematic concentration in which they wish to focus and must take the International Studies introductory-level course for that particular thematic concentration. Additionally, students must take a minimum of two elective courses (6 credit hours) from the thematic concentration that they chose. These elective courses must be 300/400-level courses.
4. If students choose course work outside the College in partial fulfillment of their concentrations, they will need to take additional College of Arts and Sciences course work in the concentration to bring the minimum total of College of Arts and Sciences hours in the minor to 15.

### Honors Track

**Requirements** Outstanding students majoring in international studies who are interested in departmental honors should submit an application form to the program 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 the International Studies Program 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 receive a grade of A- or higher.

In summary, students must

- Maintain a 3.500 GPA in International 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 I415 and an honors section of I400 consecutively during the senior year.
- Research, write and defend an honors thesis, which earns an A- or higher.

### Overseas Study

Students who major in International Studies are required to have international experience to graduate. The typical way to fulfill this requirement is 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, Franklin Hall 303, (812) 855-9304 ([www.indiana.edu/~overseas](http://www.indiana.edu/~overseas)).

### Course Descriptions

#### I100 Introduction to International Studies (3 cr.)

**S & H** This introductory, interdisciplinary core course exposes students to the various academic approaches essential to international studies and to the various tracks that comprise the major.

**I115 Exploring International Studies (3 cr.)**

Offered in conjunction with the "International Studies Summer Institute," this course examines a wide range of international issues including global environmental change, international economics, populations-at-risk, and conflict resolution through the overall theme of globalization. The objective is to develop critical skills through analysis of current international issues.

**I201 Culture and the Arts: International Perspectives (3 cr.) A & H**

Introduction to the theoretical concepts of the arts and the role of the arts in the formation and transformation of identity. This core course examines the various mechanisms, sites, and institutions through which the arts and culture are disseminated globally.

**I202 Global Environment (3 cr.) S & H**

Provides a fundamental organizing framework for thinking about the global environment in both biophysical and social terms. Reviews the fundamentals of Earth Systems Science and Environmental Social Science.

**I203 Global Markets and Governance (3 cr.)**

**S & H** Focuses on how political and social factors affect the economic conditions of sub-national groups, countries, and the globe, and vice versa, how such economic circumstances affect local, national, and world politics.

**I204 Human Rights and Social Movements: International Perspectives (3 cr.) S & H**

Introduction to basic issues relating to human rights and social movements, emphasizing the differing ways that these topics are addressed in various disciplines and thought about within various global cultures.

**I205 International Communication (3 cr.)**

**S & H** Examination of global communication as a process governed by culture-specific and institution-specific rules. Semiotic aspects of mediation are covered as well as nation and state mediation in mass communication (including the setting of policy on language and arts) and the role played by intent, power, gender, and politics in inter-ethnic and intra-ethnic interaction.

**I206 Nations, States, and Boundaries (3 cr.)**

**S & H** Introduction to the development of modern states and their mutual relations as well as the role of international institutions in mediating and regulating relations between the states and protecting the individuals and stateless peoples from persecution.

**I207 Rituals and Beliefs: International Perspectives (3 cr.) A & H**

Exposes students to a wide range of rituals in politics and popular culture throughout the world while exploring some of the most prominent comparative theories about the nature and function of ritual. Among other things, the course aims to examine how rituals enable practitioners to represent a set of beliefs in visible, often dramatic performance.

**I300 Topics in International Studies (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. Course may be repeated once with a different topic for a maximum of 6 credit hours.

**I325 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 non-U.S. sources.

**I400 International Studies Capstone Seminar (3 cr.)**

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.

**I415 Individual Readings in International Studies (1-3 cr.)**

Students may conduct individually designed research projects on an international issue or problem under the direction of a faculty member. Student and instructor should develop a project and submit a "contract" to the program director for approval. May be repeated for a maximum of 6 credit hours.

**I498 Internship in International Studies (1-6 cr.)**

P: Approval of the director of International Studies. S/F grading. Provides students with an opportunity to receive academic credit for a part-time or full-time internship experience within the U.S. or overseas that allows them 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.

# Jewish Studies

## Faculty

**Director** Professor Steven Weitzman (Jewish Studies, Religious Studies)

**Associate Director** Jeffrey Veidlinger (Jewish Studies, History)

**Director of the Institute for Jewish Culture and the Arts** Alvin H. Rosenfeld (Jewish Studies, English)

**Distinguished Professor** Susan Gubar (English)

**Dr. Alice Field Cohn Chair in Yiddish Studies** Dov-Ber Kerler (Jewish Studies, Germanic Studies)

**Chancellor's Professor** Michael Morgan (Jewish Studies, Philosophy)

**Irving M. Glazer Chair in Jewish Studies** Steven Weitzman (Jewish Studies, Religious Studies)

**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, Folklore and Ethnomusicology)

**Pat M. Glazer Chair in Jewish Studies** Mark Roseman (Jewish Studies and History)

**Rudy Professor** Jeffrey C. Isaac (Political Science)

**Professors** James S. Ackerman (Emeritus, Religious Studies), Jack Bielasiak (Political Science), Paul Eisenberg (Emeritus, Philosophy), Henry Fischel (Emeritus, Near Eastern Languages and Cultures), Jeffrey C. Isaac (Political Science), Irving Katz (Emeritus, History), Dov-Ber Kerler (Jewish Studies and Germanic Studies), Michael Morgan (Jewish Studies, Philosophy), Mark Roseman (Jewish Studies, History), Alvin Rosenfeld (Jewish Studies, English), Bronislava Volkova (Slavic Languages and Literatures), Dror Wahrman (History)

**Associate Professors** Joëlle Bahloul (Jewish Studies, Anthropology), J. Albert Harrill (Religious Studies), Stephen Katz (Jewish Studies), Nancy Levene (Religious Studies), Shaul Magid (Jewish Studies, Religious Studies), Herbert J. Marks (Comparative Literature), Dina Spechler (Political Science), Jeffrey Veidlinger (Jewish Studies, History), Steven Weitzman (Jewish Studies, Religious Studies)

**Assistant Professors** Judah Cohen (Jewish Studies, Folklore and Ethnomusicology), Halina Goldberg (Musicology), Chaya Halberstam (Religious Studies), Matthias Lehmann (Jewish Studies, History), Miryam Segal (Jewish Studies, Comparative Literature)

**Lecturer in Hebrew** Ayelet Weiss

**Academic Advising** Carolyn Lipson-Walker, Goodbody Hall 325, (812) 855-0453

**E-mail:** iujsp@indiana.edu

**Web:** www.indiana.edu/~jsp

**Phone/fax:** (812) 855-0453; (812) 855-4314

## Introduction

The 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. There is broad agreement that the various facets of Jewish culture—literature, history, religion, philosophy, languages, and other constituent features of Judaism—comprise one of the richest complexes within the whole of recorded cultural history. 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. The contributing departments include Anthropology, Comparative Literature, English, Folklore and Ethnomusicology, Germanic Studies, History, Near Eastern Languages and Cultures, Philosophy, 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 area 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 an area 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 to see the Jewish studies advisor in their first or second semester. Students may call (812) 855-0453 to make an appointment.

## Major in Jewish Studies

**Purpose** Students with a B.A. in Jewish Studies will have concentrated on major aspects of the Jewish experience: they will understand the long history of the Jewish people, its connection over millennia to diverse cultures, and the formative influences of Jews on world civilization. In acquiring such knowledge, students will relate Jewish thought and tradition to the surrounding world and will enrich their understanding of world societies and cultures.

**Requirements** Students must complete the following:

1. Two semesters of modern Hebrew (JSTU H100-H150), Biblical Hebrew, (JSTU B100-B150), or Yiddish (GER Y100-Y150).
2. REL R245 Introduction to Judaism or HIST H251 Introduction to Jewish History: From the Bible to Spanish Expulsion. REL R245 or HIST H251 must be taken on the Bloomington campus. Only one of these courses may be counted toward the Jewish Studies major.
3. HIST H252 Introduction to Jewish History: From Spanish Expulsion to the Present. This course must be taken on the Bloomington campus.
4. Area of specialization. Four courses in one of three areas of specialization: Language and Literature; History and Society; or Religion and Thought. Credit acquired through language testing or through transfer credit from universities other than The Hebrew University (via IU Overseas Study Program) will not exceed the equivalent of two courses in the student's area of specialization.
5. Two additional courses must be completed outside the student's chosen area of specialization.
6. A student must complete a minimum of 12 credit hours of course work in Jewish Studies on the IU Bloomington campus. A maximum of three courses may be credited toward the major from language testing or transfer credit from universities other than The Hebrew University (via IU Overseas Study Program).
7. Students cannot receive Jewish Studies credit for REL R152 Religions of the West if REL R245 Introduction to Judaism is offered during the same semester.

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

### Area Certificate in Jewish Studies

**Purpose** The area certificate program gives students pursuing degrees outside the College of Arts and Sciences, or pursuing B.S. or B.A. degrees within the College of Arts and Sciences, an opportunity to gain a broad-based knowledge of Jewish Studies. Students in the School of Journalism may complete their second concentration by completing the Jewish Studies area certificate. Students in the Kelley School of Business may work toward a global studies and languages field specialization or arts and social services field specialization by completing the Jewish Studies area certificate. Students in the Jacobs School of Music may complete the area certificate along with a Bachelor of Music or as an outside field with a Bachelor of Science in Music.

**Requirements** Students must complete a minimum of eight courses with a minimum grade of C– distributed as follows:

1. Two courses in each of the three major areas of Jewish Studies: Language and Literature; History and Society; and Religion and Thought.
2. Two additional courses chosen, in any combination, from these three major areas.
3. Students wishing to participate in the area certificate program must register with the advisor in Jewish Studies. Appointments may be arranged by calling (812) 855-0453.
4. A student must complete a minimum of 10 credit hours of course work (language testing is not acceptable) in Jewish Studies on the Bloomington campus. A maximum of three courses may be credited toward the area certificate from either language testing or from transfer credit from universities other than The Hebrew University (via IU Overseas Study Program).
5. Students cannot receive Jewish Studies credit for REL R152 Religions of the West if REL R245 Introduction to Judaism is offered during the same semester.

### Minor in Hebrew

**Requirements** Students must complete the following:

1. Six courses in Hebrew language and/or literature (modern or biblical Hebrew) for a minimum of 20 credit hours. (Students transferring first year language course credit may be eligible to complete the minor with a minimum of 18 credit hours.)
2. At least four courses must be Hebrew language courses.
3. At least two courses must be on or above the 300 level. These two upper-level courses, which cannot be fulfilled through language testing or transfer credit, must be related in content to Hebrew but need not be language courses per se. These two upper-level courses cannot be counted toward either the Jewish Studies major or the area certificate in Jewish Studies. Students interested in pursuing study of courses related to biblical Hebrew might also (with the approval of the Jewish Studies advisor) choose to take upper-level courses in rabbinic and biblical literature taught by Jewish Studies faculty.
4. A minimum cumulative GPA of a 2.300 is required in the minor.
5. At least three of the courses must be completed on the Bloomington campus. Up to three courses may be credited toward the minor from language testing and transfer credit or study abroad.
6. Each student's course work must be approved by the Jewish Studies advisor to assure a coherent program of study.



## Minor in Yiddish Studies

Students may complete the minor through the Department of Germanic Studies.

**Requirements** Students must complete the following:

1. GER Y150 (4 cr.)
2. GER Y200 (3 cr.)
3. GER Y250 (3 cr.)
4. Six additional credits chosen from GER Y300/CMLT C377; GER Y350/CMLT C378; GER Y495; or HIST D304 Jews of Eastern Europe (3 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 H399 Readings for Honors in Jewish Studies (3 credit hours) and then completing the honors thesis with the course JSTU H499 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 among 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 H399.
5. JSTU H399 is typically taken in the next-to-last semester before graduation in the spring. 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. In the final semester before graduation, the student enrolls in JSTU H499 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 Jewish Studies faculty members of the student's choosing (in consultation with the thesis director).

### 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 during their

junior year and/or to participate in the three-week summer archaeological field school at Tel Beth Shemesh. 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 eight-week ulpan (intensive 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 Hebrew during the regular semester. Although prior Hebrew study is recommended, it is not required. Students attending the Rothberg School and the Tel Beth Shemesh archaeological field school can earn direct IU credit and can fulfill senior residency requirement hours. Students interested in either the area certificate, major or Hebrew minor should meet with the Jewish Studies advisor before leaving for Israel.

The Jewish Studies Program also sponsors "The Jewish Experience in Modern Germany," a spring course/two-week travel program. Information and application forms for The Hebrew University, the Tel Beth Shemesh program, and "The Jewish Experience in Modern Germany" may be obtained from the Office of Overseas Study, Franklin Hall 202 (812) 855-9304 or from their Web site: [www.indiana.edu/~overseas](http://www.indiana.edu/~overseas).

## Course Descriptions

### *Hebrew and Israeli Culture*

#### **B100 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.

#### **B150 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.

#### **B200 Intermediate Biblical Hebrew I (3 cr.)**

P: Grade of C or higher in B150 or equivalent proficiency. A continuation of B150. Advances student's skill to read and understand biblical narrative, law, prophecy, and poetry. I Sem.

#### **B250 Intermediate Biblical Hebrew II (3 cr.)**

P: Grade of C in B200 or equivalent proficiency. Continues to build the skills necessary for reading various literary genres in the Bible while training the student to do formal textual exegesis. Introduction to scholarly tools necessary for translating and interpreting biblical text. II Sem.

**C240 Contemporary Israeli Culture (3 cr.)**

**A & H, CSA** 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.

**C340 The Kibbutz in Fact and Fiction (3 cr.)**

**A & H, CSA** 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.

**H100 Introduction to Elementary Hebrew I**

**(4 cr.)** Introductory course that lays groundwork for the study and use of modern (Israeli) Hebrew—reading, writing and conversing. No previous knowledge of Hebrew required. I Sem.

**H150 Introduction to Elementary Hebrew II**

**(4 cr.)** P: Grade of C or higher in H100 or equivalent proficiency. Continuation of H100. Development of basic reading, writing, and conversing in modern Hebrew. II Sem.

**H190 Intensive Elementary Hebrew (6 cr.)**

An 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 JSTU H190, or JSTU H100-H150.

**H200 Intermediate Hebrew I (3 cr.)** P: Grade of C or higher in H150 or equivalent proficiency. Continuation of H150; second year of modern Hebrew. Development of skills of reading, writing, and conversing in modern Hebrew on an intermediate level.

**H250 Intermediate Hebrew II (3 cr.)** Grade of C or higher in H200 or equivalent proficiency. Continuation of H200. Development of the skills of reading, writing, and conversing in modern Hebrew on an intermediate level. II Sem.

**H296 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, area certificate, or minor.

**H300 Advanced Hebrew I (3 cr.)**

P: Grade of C or higher in H250 or equivalent proficiency. In this third year course in the modern Hebrew language sequence, students will further develop reading, writing, and speaking skills. Emphasis on reading comprehension and conversation, as well as grammar and syntactical structures. The language of instruction and discussion is Hebrew. I Sem.

**H350 Advanced Hebrew II (3 cr.)**

P: Grade of C or higher in H300 or equivalent proficiency. Continuation of H300. Further development of advanced reading, writing, and conversing skills in modern Hebrew. II Sem.

**H365 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.

**H375 Introductory Readings in Hebrew**

**Literature (in Hebrew) (3 cr.)** **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.

**H396 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, area certificate, or minor.

**H497 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.

**J203 Arts and Humanities Topics in**

**Jewish Studies (3 cr.)** **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.

**J204 Social and Historical Topics in Jewish**

**Studies (3 cr.)** **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.

**J303 Arts and Humanities Topics in Jewish Studies (3 cr.) 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.

**J304 Social and Historical Topics in Jewish Studies (3 cr.) 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.

**J403 Arts and Humanities Topics in Jewish Studies (3 cr.) 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.

**J404 Social and Historical Topics in Jewish Studies (3 cr.) 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.

**L380 Modern Hebrew Literature in English (3 cr.) A & H, CSA** 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.

**L385 Recent Hebrew Literature in English (3 cr.) A & H, CSA** 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.

**L390 Biblical Themes in Modern Hebrew Literature (3 cr.) 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.

**L395 S. Y. Agnon and the Jewish Experience (3 cr.) A & H, CSA** 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 and Seminars*

**H495 Individual Readings in Jewish Studies (1-3 cr.) P:** Consent of instructor. Designed for advanced Jewish Study 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 Courses*

**H399 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.

**H499 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.

## **Courses by Areas of Specialization Including Cross-Listed Courses**

- I. Language and Literature
- II. History and Society
- III. Religion and Thought

**Note:** Although JSTU-J 203, J204, J303, J304, J403, and J404 courses are listed under both Language and Literature and History and Society, the area of specialization fulfilled by each of these courses will depend upon the specific topic.

### *I. Language and Literature*

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

E103 Topics Course (topics relating to Jewish Studies) (3 cr.) **A & H, TFR**  
Topics: The Bible and its Interpreters; Who Wrote the Bible?

S103 Freshman Seminar in Arts and Humanities (3 cr.) **A & H, TFR**  
Topic: Genesis and Myth

#### **Comparative Literature**

C301 Special Topics in Comparative Literature (3 cr.) **A & H**  
Topics: Poetics of Biblical Narrative; Reading the Prophets

C377 Topics in Yiddish Literature (3 cr.) **A & H, CSA**  
Topics: Fantasy, Realism, and Fiction in Early Modern and Modern "Classic" Yiddish Literature

C378 Topics in Yiddish Culture (3 cr.) **A & H, CSA**  
Topics: History and Sociology of Yiddish; Yiddish in America

C 400 Studies in Comparative Literature (3 cr.) **A & H**  
Topic: Job, from the Bible to Kafka; The Poetics of Biblical Narrative

C405 Senior Seminar in Comparative Literature (3 cr.-6 cr. max) **A & H P**: at least one 300 level CMLT course or consent of instructor  
 Topics: The Bible in Western Literature; Job, from the Bible to Kafka; Prophecy and Poetry

### English

L241 American Jewish Writers (3 cr.) **A & H, CSA**

L367 Literature of the Bible (3 cr.) **A & H**  
 L375 Studies in Jewish Literature (3 cr.) **A & H, CSA**

Topics: Literature of the Holocaust; American Jewish Drama; American Jewish Writers; Jewish American Responses to the Holocaust

L460 Seminar: Literary Form, Mode, and Theme (3 cr.)  
 Topic: The Poetics of Biblical Narrative

### Germanic Studies

N350 Dutch Culture: The Modern Netherlands (3 cr.) **S & H, CSB**

Topic: Anne Frank: Her Diary in Perspective

Y100 Beginning Yiddish I (4 cr.)

Y150 Beginning Yiddish II (4 cr.) P: Y 100 or consent of instructor

Y200 Intermediate Yiddish I (3 cr.) P: Y 150 or consent of instructor

Y250 Intermediate Yiddish II (3 cr.) P: Y 200 or consent of instructor

Y300 Topics in Yiddish Literature (3 cr.) **A & H, CSA**

Topics: Fantasy, Realism, and Fiction in Early Modern and Modern "Classic" Yiddish Literature

Y350 Topics in Yiddish Culture (3 cr.) **A & H, CSA**

Topics: History and Sociology of Yiddish; Yiddish in America

Y495 Individual Readings in Yiddish Studies: Language, Literature, Culture (1-3 cr.)

### Hutton Honors College

H203 Interdepartmental Colloquia (3 cr.) **A & H, TFR** P: consent of the Hutton Honors College or Jewish Studies advisor

Topic: The Bible and its Interpreters

H303 Interdepartmental Colloquia (3 cr.) **A & H P**: consent of the Hutton Honors College (or JS advisor)

Topics: The American Jewish Experience; American Jewish Writers; Literature of the Holocaust; Poetics of Biblical Narrative

### Freshman Seminar

S103 Freshman Seminar in Arts and Humanities (3 cr.) **A & H, TFR**  
 Topic: Popular Representations of the Holocaust

### Jewish Studies

B100 Introduction to Biblical Hebrew I (4 cr.)

B150 Introduction to Biblical Hebrew II (4 cr.)  
 P: Grade of C or higher in B100 or equivalent proficiency.

B200 Intermediate Biblical Hebrew I (3 cr.)

P: Grade of C or higher in B150 or equivalent proficiency.

B250 Intermediate Biblical Hebrew II (3 cr.)

P: Grade of C or higher in B200 or equivalent proficiency.

C240 Contemporary Israeli Culture (3 cr.)

**A & H, CSA**

C340 The Kibbutz in Fact and Fiction (3 cr.)

**A & H, CSA**

H100 Introduction to Elementary Hebrew I (4 cr.)

H150 Introduction to Elementary Hebrew II (4 cr.)  
 P: Grade of C or higher in H 100 or equivalent proficiency.

H190 Intensive Elementary Hebrew (6 cr.)

H200 Intermediate Hebrew I (3 cr.) P: Grade of C or higher in H 150 or equivalent proficiency.

H250 Intermediate Hebrew II (3 cr.) P: Grade of C or higher in H 200 or equivalent proficiency.

H300 Advanced Hebrew I (3 cr.) P: Grade of C or higher in H 250 or equivalent proficiency.

H350 Advanced Hebrew II (3 cr.) P: Grade of C or higher in H 300 or equivalent proficiency.

H365 Advanced Hebrew Conversation and Composition (3 cr.) P: Grade of C or higher in H 350 or equivalent proficiency

H375 Introductory Readings in Hebrew Literature (in Hebrew) (3 cr.) **A & H**

P: Grade of C or higher in H350 or equivalent proficiency.

H497 Individual Readings in Hebrew (1-4 cr.)

P: Grade of C or higher in H 350 or equivalent proficiency.

J203 Arts and Humanities Topics in Jewish Studies (3 cr.) **A & H**

J303 Arts and Humanities Topics in Jewish Studies (3 cr.) **A & H**

Topic: Midrash and the Art of Interpretation

J403 Arts and Humanities Topics in Jewish Studies (3 cr.) **A & H**

L380 Modern Hebrew Literature in English (3 cr.) **A & H, CSA**

L385 Recent Hebrew Literature in English (3 cr.) **A & H, CSA**

L390 Biblical Themes in Modern Hebrew Literature (3 cr.) **A & H**

L395 S.Y. Agnon and the Jewish Experience (3 cr.) **A & H, CSA**

### Slavic Languages and Literatures

R345 Jewish Characters in Russian Literature (3 cr.) **A & H, CSA**

### West European Studies

W406 Special Topics in West European Studies (3 cr.) **A & H, CSB**  
 Topic: Anne Frank: Her Diary in Perspective

### II. History and Society

#### Anthropology

E332 Jewish Women: Anthropological Perspectives (3 cr.) **S & H, CSA**

- E334 Jews in Moslem Societies (3 cr.) **S & H, CSA**  
 E371 Modern Jewish Culture and Society (3 cr.) **S & H, CSA**  
 E400 Undergraduate Seminar (3 cr.)  
 Topics: Ethnicities in Israel; Israeli Society and Culture; The Jewish Family; Jewish Women; Migrations and Diasporas

### College of Arts and Sciences

- E104 Topics in Social and Historical Studies (3 cr.) **S & H, TFR** (topics relating to Jewish Studies)  
 Topic: Blacks and Jews  
 S103 Freshman Seminar in Arts and Humanities (3 cr.) **A & H, TFR**  
 Topic: Popular Representations of the Holocaust

### Comparative Literature

- C377 Topics in Yiddish Literature (3 cr.) **A & H, CSA**  
 Topics: Fantasy, Realism, and Fiction in Early Modern and Modern "Classic" Yiddish Literature  
 C378 Topics in Yiddish Culture (3 cr.) **A & H, CSA**  
 Topics: History and Sociology of Yiddish; Yiddish in America

### English

- L241 American Jewish Writers (3 cr.) **A & H, CSA**  
 L375 Studies in Jewish Literature (3 cr.) **A & H, CSA**  
 Topics: Literature of the Holocaust; American Jewish Drama; American Jewish Writers; Jewish-American Responses to the Holocaust

### Fine Arts

- A200 Topics in Art History (3 cr.) **CSA**  
 Topic: Introduction to Jewish Art

### Folklore and Ethnomusicology

- F358 Jewish Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**

### Germanic Studies

- N350 Dutch Culture: The Modern Netherlands (3 cr.) **S & H, CSB**  
 Topic: Anne Frank: Her Diary in Perspective  
 Y300 Topics in Yiddish Literature (3 cr.) **A & H, CSA**  
 Topics: Fantasy, Realism, and Fiction in Early Modern and Modern "Classic" Yiddish Literature  
 Y350 Topics in Yiddish Culture (3 cr.) **A & H, CSA**  
 Topic: History and Sociology of Yiddish; Yiddish in America  
 Y495 Individual Readings in Yiddish Studies: Language, Literature, Culture (1-3 cr.)

### History

- B200 Issues in Western European History (3 cr.) **S & H** (when Jewish history topic)

- B300 Issues in Western European History (3 cr.) **S & H** (when Jewish history topic)  
 B303 Issues in Modern European History (3 cr.) **S & H** (when Jewish history topic)  
 B315 European Anti-Semitism Since Enlightenment (3 cr.) **S & H**  
 B321 Modern Jewish History: From Expulsion to Revolution (3 cr.) **S & H, CSA**  
 B322 Jews in the Modern World (3 cr.) **S & H, CSA**  
 B323 History of the Holocaust (3 cr.) **S & H, CSA**  
 B324 Zionism and the State of Israel (3 cr.) **S & H, CSA**  
 B325 Christian-Jewish Relations (3 cr.) **S & H**  
 B400 Issues in Western European History (3 cr.) **S & H** (when Jewish history topic)  
 C300 Issues in Ancient History (3 cr.) **S & H**  
 Topic: Three Cultures in the Medieval Mediterranean: Interactions between Muslims, Christians and Jews  
 D304 Jews of Eastern Europe (3 cr.) **S & H, CSA**  
 H251 Introduction to Jewish History: From the Bible to Spanish Expulsion (3 cr.) **S & H, CSA**  
 H252 Introduction to Jewish History: From Spanish Expulsion to the Present (3 cr.) **S & H, CSA**  
 H259 American Jewish History (3 cr.) **S & H, CSA**  
 J300 Seminar in History (3 cr.) **S & H** (when Jewish history topic)  
 Topics: Jews and Cosmopolitanism in Modern Europe; The Jews of Spain: Jewish Life under Christianity and Islam; Perpetrators of the Holocaust; Uneasy Neighbors: Polish-Jewish Relations in the 20th Century  
 J400 Seminar for History Majors (3 cr.) **S & H**  
 Topics: Anti-Semitism and Jewish Responses; Jewish Cultural History of the Modern Era; Jewish Emancipation

### Hutton Honors College

- H303 Interdepartmental Colloquia (3 cr.)  
 P: consent of Hutton Honors College (or JS advisor); **A & H**  
 Topics: The American Jewish Experience; American Jewish Writers; Literature of the Holocaust

### Freshman Seminar

- S103 Freshman Seminar in Arts and Humanities (3 cr.) **A & H, TFR**  
 Topic: Popular Representations of the Holocaust

### Jewish Studies

- C240 Contemporary Israeli Culture (3 cr.) **A & H, CSA**  
 C340 The Kibbutz in Fact and Fiction (3 cr.) **A & H, CSA**  
 J203 Arts and Humanities Topics in Jewish Studies (3 cr.) **A & H**  
 J204 Social and Historical Topics in Jewish Studies (3 cr.) **S & H**

- J303 Arts and Humanities Topics in Jewish Studies (3 cr.) **A & H**
- J304 Social and Historical Topics in Jewish Studies (3 cr.) **S & H**  
Topic: Professional Leadership and the Jewish Community
- J403 Arts and Humanities Topics in Jewish Studies (3 cr.) **A & H**
- J404 Social and Historical Topics in Jewish Studies (3 cr.) **S & H**
- L380 Modern Hebrew Literature in English (3 cr.) **A & H, CSA**
- L385 Recent Hebrew Literature in English (3 cr.) **A & H, CSA**
- L395 S.Y. Agnon and the Jewish Experience (3 cr.) **A & H, CSA**

### **Political Science**

- Y352 The Holocaust and Politics (3 cr.) **S & H, CSA**

### **Religious Studies**

- R345 Religious Issues in Contemporary Judaism (3 cr.) **A & H, CSA**
- R421 Judaism and Gender: Philosophical and Theological Perspectives (3 cr.) **A & H, CSA**

### **Slavic Languages and Literatures**

- R345 Jewish Characters in Russian Literature (3 cr.) **A & H, CSA**

### **West European Studies**

- W406 Special Topics in West European Studies (3 cr.) **A & H, CSA**  
Topic: Anne Frank: Her Diary in Perspective

## *III. Religion and Thought*

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

- E103 Topics in Arts and Humanities (topics relating to Jewish Studies) (3 cr.) **A & H, TFR**  
Topics: The Bible and its Interpreters; Who Wrote the Bible?
- S103 Freshman Seminar in Arts and Humanities (3 cr.) **A & H, TFR**  
Topic: Genesis and Myth

### **Comparative Literature**

- C301 Special Topics in Comparative Literature (3 cr.) **A & H**  
Topics: Poetics of Biblical Narrative; Reading the Prophets
- C405 Senior Seminar in Comparative Literature (3 cr.) **A & H P**: at least one 300 level CMLT course or consent of instructor  
Topic: The Bible in Western Literature; Job, from the Bible to Kafka; Prophecy and Poetry

### **English**

- L367 Literature of the Bible (3 cr.) **A & H**
- L460 Seminar: Literary Form, Mode, and Theme (3 cr.)  
Topic: The Poetics of Biblical Narrative

### **Hutton Honors College**

- H203 Interdepartmental Colloquia (3 cr.)  
P: consent of Hutton Honors College;  
**A & H, TFR**  
Topic: The Bible and its Interpreters
- H303 Interdepartmental Colloquia (3 cr.)  
P: consent of Hutton Honors College (or JS advisor); **A & H**  
Topic: Poetics of Biblical Narrative

### **Jewish Studies**

- J303 Arts and Humanities Topics in Jewish Studies (3 cr.) **A & H**  
Topic: Midrash and the Art of Interpretation
- L390 Biblical Themes in Modern Hebrew Literature (3 cr.) **A & H**

### **Philosophy**

- P205 Modern Jewish Philosophy (3 cr.) **A & H, CSA**
- P305 Topics in the Philosophy of Judaism (3 cr.) **A & H, CSA**  
Topics: Alienation and Community: Judaism, Philosophy, Religious Thought and Literature in Europe, 1900-1940; Alienation and Redemption in Early Twentieth Century European Culture and Jewish Thought; Emil Fackenheim and the Holocaust; Emmanuel Levinas: Ethics as First Philosophy; Franz Rosenzweig and Emmanuel Levinas; Judaism and Contemporary Philosophy; Philosophy and Religious Thought after the Holocaust; Judaism, Philosophy, and Religious Thought in Europe, 1900-1940; Responses to the Holocaust: Philosophy, Religion, Ethics, Film, Politics and Historiography
- P401 History of Philosophy: Special Topics (3 cr.) **A & H**  
Topic: Continental Rationalism: Spinoza
- P490 Readings in Philosophy (1-3 cr.) P: Consent of instructor. May be repeated. In agreement with instructor, intensive readings related to one or a group of philosophers who explore in their writings Jewish themes and topics.

### **Religious Studies**

- R152 Religions of the West (3 cr.) **A & H, CSA**  
(This course not credited for Jewish Studies if REL-R 245 is being taught during same semester)
- R201 Honors Proseminar in Religion (3 cr.) **A & H P**: Freshmen or sophomores who may want to enter an honors program or consent of instructor.  
Topic: The Book of Genesis and its Reworking in Western Culture
- R202 Topics in Religious Studies (3 cr.) **A & H**  
Topic: Hell and Heaven in Judaism
- R210 Introduction to the Old Testament/Hebrew Bible (3 cr.) **A & H, CSA**
- R245 Introduction to Judaism (3 cr.) **A & H, CSA**

- R300 Studies in Religion (3 cr.) A & H  
Topics: Dilemmas of Modern Judaism; History of God; Issues in the Study of the Hebrew Bible; Readings in Biblical Archaeology I; Fieldwork in Biblical Archaeology I; Fieldwork in Biblical Archaeology II
- R307 Messianism and Messiahs in Comparative Perspective (3 cr.) A & H, CSA
- R310 Prophecy in Ancient Israel (3 cr.) A & H, CSA
- R311 Narrative in the Hebrew Bible (3 cr.) A & H
- R317 Judaism in the Making (3 cr.) A & H, CSA
- R325 Paul and his Influence in Early Christianity (3 cr.) A & H
- R341 Introduction to Jewish Mysticism (3 cr.) A & H, CSA P: Previous course in Judaism or consent of instructor
- R342 Religious Thought in Medieval Judaism (3 cr.) A & H
- R345 Religious Issues in Contemporary Judaism (3 cr.) A & H, CSA  
Topics: Alienation and Community; Judaism, Philosophy, Religious Thought and Literature in Europe, 1900-1940; Alienation and Redemption in Early Twentieth Century European Culture and Jewish Thought; Emil Fackenheim and the Holocaust; Emmanuel Levinas: Ethics as First Philosophy; Franz Rosenzweig and Emmanuel Levinas; Hasidism and Existentialism; Judaism and Contemporary Philosophy; Philosophy and Religious Thought after the Holocaust; Judaism, Philosophy, and Religious Thought in Europe, 1900-1940; Responses to the Holocaust: Philosophy, Religion, Ethics, Film, Politics and Historiography
- R360 Comparative Study of Religious Phenomena (3 cr.) A & H  
Topic: Women and Religion
- R410 Topics in Ancient Israelite Religion (3 cr.) A & H P: R210.  
Topics: King David in Myth and History; The Poetics of Biblical Narrative; The Sabbath in Literature and Liturgy
- R420 Ancient Mediterranean Religions (3 cr.) A & H
- R421 Judaism and Gender: Philosophical and Theological Perspectives (3 cr.) A & H, CSA
- R427 The Bible and Slavery (3 cr.) A & H, CSA
- R430 Topics in the History of Christianity (3 cr.) A & H  
Topic: The Bible and Slavery; Jews and Christians
- R445 Topics in the History of Judaism (3 cr.) A & H P: Course on Judaism or consent of instructor  
Topic: Dead Sea Scrolls, Talmud
- R474 Capstone Seminar in Religion (3 cr.) A & H  
Topics: Bible and its Interpreters; Mysticism in Religious Traditions

## Latin American and Caribbean Studies

### Faculty

- Director** Professor Jeffrey L. Gould (History)
- Chancellor's Professors** Robert Arnove (Emeritus, Education), Patrick McNaughton (Fine Arts), Anya Peterson Royce (Anthropology, Comparative Literature)
- Bentley Professor** Elinor Ostrom (Political Science)
- Mendel Professor** Daniel James (History)
- Rudy Professors** Jeffrey L. Gould (History), Emilio Moran (Anthropology), Albert Valdman (Emeritus, French and Italian, Linguistics)
- Distinguished Professors** Richard Bauman (Folklore and Ethnomusicology), James Riley (History)
- Professors** Robert Agranoff (Emeritus, Public and Environmental Affairs), Akwasi B. Assensoh (African American and African Diaspora Studies), Randall Baker (Public and Environmental Affairs), Maryellen Bieder (Spanish and Portuguese), Kevin Brown (Law), Richard Burke (Emeritus, Telecommunications), Jorge Chapa (Latino Studies), Keith Clay (Biology), Claus Clüver (Emeritus, Comparative Literature), Geoffrey Conrad (Anthropology), Dennis Conway (Geography), Della Cook (Anthropology), Peter Guardino (History), Jeffrey Hart (Political Science), Catherine Larson (Spanish and Portuguese), John McDowell (Folklore and Ethnomusicology), Heitor Martins (Emeritus, Spanish and Portuguese), Kathleen Myers (Spanish and Portuguese), K. Anne Pyburn (Anthropology), J. C. Randolph (Public and Environmental Affairs), Darlene Sadlier (Spanish and Portuguese), Gustavo Sainz (Spanish and Portuguese), Carmen Tellez (Music), Richard Wilk (Anthropology)
- Associate Professors** Eduardo Brondizio (Anthropology), Bonnie Brownlee (Journalism), Mary Clayton (Spanish and Portuguese), Deborah Cohn (Spanish and Portuguese), Luis Dávila (Spanish and Portuguese), Arlene Diaz (History), Tom Evans (Geography), P. Roberto Garcia (Kelley School of Business), Kimberly Geeslin (Spanish and Portuguese), Matthew Guterl (African American and African Diaspora Studies, American Studies), Stephanie Kane (Criminal Justice), Bradley Levinson (Education), Muriel Nazzari (Emeritus, History), John Nieto-Phillips (History and Latino Studies), Christiana Ochoa (Law), Philip Parnell (Criminal Justice), Yeidy M. Rivero (Communication and Culture, Latino Studies), Iris Rosa (African American and African Diaspora Studies), Russell Salmon (Emeritus, Spanish and Portuguese), Richard Stryker (Emeritus, Political Science)

**Assistant Professors** Charles Beeker (Health Physical Education and Recreation), Manuel Diaz-Campos (Spanish and Portuguese), David Delgado Shorter (Folklore and Ethnomusicology), Patrick Dove (Spanish and Portuguese), J. César Felix-Brasdefer (Spanish and Portuguese), Shane Greene (Anthropology), Vivian Halloran (Comparative Literature), Philip Keating (Geography), Stacie Marie King (Anthropology), Ricardo Lopez (Economics), Alejandro Mejias-Lopez (Spanish and Portuguese), Emily Maguire (Spanish and Portuguese), Josh Malitsky (Communication and Culture), Eden Miller Medina (Informatics), Oana Panaite (French and Italian), Armando Razo (Political Science), Pravina Shukla (Folklore and Ethnomusicology), April Sievert (Anthropology), Marvin Sterling (Anthropology), Daniel Suslak (Anthropology), Catherine M. Tucker (Anthropology), Leah K. VanWey (Sociology), Reyes Vila-Belda (Spanish and Portuguese)

**Librarian and Latin American Studies Area Specialist** Luis Gonzalez

**Academic Advising** Andrea Siqueira, (812) 855-9097

## 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 an area 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. Such study is 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 area certificate but not both.

## 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 area certificate requirements. (See "Overseas Study Programs" in this bulletin, or contact the Office of Overseas Study, Franklin Hall 303, [812]855-9304.)

## Minor in Latin American and Caribbean Studies

Students should develop their minor (without the area certificate) in consultation with their respective departmental advisors and the director of the Latin American and Caribbean Studies Program.

**Requirements** 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 area, including the L300-L301 sequence. Courses from a student's major course of study cannot be used to satisfy the requirements of the minor. Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. The overall average of courses counting toward the minor must be at least a C. Only students who have met the College of Arts and Sciences language requirement by taking Spanish or Portuguese may complete a minor in Latin American and Caribbean Studies.

## Area Certificate in Latin American and Caribbean Studies

The area certificate is awarded upon graduation to students who have demonstrated a knowledge of Latin America beyond the level of a normal minor in accord with the requirements listed below. Curriculum planning should be done in consultation with the director of Latin American and Caribbean Studies.

**Academic Standing** For entrance into the area 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.

**Course Requirements** Students must complete the following:

1. A total of 24 credit hours in courses from the list below and approved by the director of Latin American and Caribbean studies.



2. At least one semester of a Latin American studies seminar and the L300-L301 sequence as a 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 area certificate in Latin American and Caribbean studies.

## Course Descriptions

### *Latin American and Caribbean Studies*

The following courses may be complemented by offerings related to Latin America and the Caribbean in other departments.

**L300 The Latin American Experience (3 cr.) S & H, CSA** Introduction to Latin America: geography, heritage, and process from pre-Columbian civilizations to colonies and nations.

**L301 Contemporary Problems in Latin America (3 cr.) S & H, CSA** Introduction to pertinent problems of twentieth-century Latin America, such as industrialization, urbanization, revolution, and self-expression.

**L305 Spanish Across the Curriculum (1 cr.)** Offers the opportunity to improve the Spanish language skills of conversation, reading, writing, and comprehension. Class is to be taken concurrently with an LTAM course that offers a Spanish Across the Curriculum section. Discussions and assignments related to the parent class will be performed in Spanish.

**L400 Contemporary Mexico (3 cr.) S & H, CSA** 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.

**L401 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.

**L402 Contemporary Brazil (3 cr.) S & H, CSA** 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.

**L403 Contemporary Central America (3 cr.) S & H, CSA** 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.

**L406 Contemporary Peru and Chile (3 cr.) S & H** Preconquest and colonial history of Peru. Multidisciplinary examination of twentieth-century culture. Colonial and nineteenth-century history of Chile. Contemporary culture with emphasis on development since World War II.

**L420 New Latin American Cinema (3 cr.) A & H, CSA** 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.

**L425 Latin American and Caribbean Languages (1-4 cr.)** Languages of Latin America and the Caribbean, other than Spanish and Portuguese. The following languages are regularly offered: Nahuatl, Haitian Creole, and Quechua. May be repeated with a different language or higher level for a maximum of 6 credit hours in any one language.

**L426 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.

**L495 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.

### Cross-Listed Courses

Some of the following cross-listed courses may at times be joint-listed under Latin American and Caribbean Studies. For general seminar, 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.

*Cross-Listed Courses that Count Toward the Minor and the Area Certificate***Anthropology**

- A406 Fieldwork in Ethnography and Linguistics (cr. arr.)  
 A495 Individual Readings in Anthropology (2-4 cr.)  
 A496 Field Study in Anthropology (cr. arr.)  
 B405 Fieldwork in Bioanthropology (cr. arr.)  
 B472 Bioanthropology of Aboriginal America (3 cr.)  
 E110 Indians of Mexico: Ancient and Modern (3 cr.) S & H, CSA  
 E321 Peoples of Mexico (3 cr.) S & H, CSA  
 E322 Peoples of Brazil (3 cr.) S & H, CSA  
 E327 Native Amazonians and the Environment (3 cr.) S & H, CSA  
 E330 Indians of South America (3 cr.) S & H, CSA  
 E335 Ancient Civilizations of Mesoamerica (3 cr.) CSA  
 E340 Indians of Mexico and Central America (3 cr.) S & H, CSA  
 E370 Peasant Society and Culture (3 cr.) S & H, CSA  
 E372 Racism and the Anthropology of Prejudice (3 cr.) S & H  
 E400 Seminar in Cultural and Social Anthropology (3 cr.)  
 E427 Human Adaptation: Cultural Approaches (3 cr.) S & H  
 E457 Ethnic Identity (3 cr.) S & H  
 E460 The Arts in Anthropology (3 cr.) A & H  
 P220 Rise and Fall of Ancient Civilizations (3 cr.) S & H  
 P230 Ancient Maya Archaeology (3 cr.) S & H, CSA  
 P370 Ancient Civilizations of the Andes (3 cr.) CSA  
 P371 Prehistory of Lowland South America (3 cr.) CSA

**Criminal Justice**

- P471 Comparative Study of Criminal Justice Systems (3 cr.) S & H

**Economics**

- E303 Survey of International Economics (3 cr.) S & H  
 E332 International Monetary Economics (3 cr.)  
 E337 Economic Development (3 cr.)  
 E496 Foreign Study in Economics (3-8 cr.; once only) S & H

**Fine Arts**

- A452 Art of Pre-Columbian America (4 cr.) S & H, CSA

**Folklore and Ethnomusicology**

- F111 World Music and Culture (3 cr.) A & H  
 F315 Latin American Folklore/Folklife/Folk Music (3 cr.) A & H, CSA  
 F356 Chicano Folklore/Folklife/Folk Music (3 cr.) A & H, CSA

- F364 Children's Folklore/Folklife/Folk Music (3 cr.) A & H, CSA  
 F404 Topics in Folklore/Folklife/Folk Music (3 cr.) A & H  
 F420 Forms of Folklore/Folklife/Folk Music (3 cr.) A & H  
 F492 Traditional Music Instruments (3 cr.) A & H

**Geography**

- G306 The Geography of Current Issues (3 cr.)  
 G317 Geography of Developing Countries (3 cr.) S & H, CSA  
 G323 Geography of Latin America (3 cr.) S & H, CSA  
 G324 Geography of the Caribbean (3 cr.) S & H, CSA  
 G450 Undergraduate Readings and Research in Geography (1-3 cr.; may be repeated once for credit)

**History**

- A352 History of Latinos in the United States (3 cr.) S & H, CSA  
 F100/F200/F300/F400 Issues in Latin American History (3 cr.) S & H  
 F336 Modern Central American History (3 cr.) S & H, CSA  
 F343 Modern Brazil since 1850 (3 cr.) S & H, CSA  
 F346 Modern Mexico (3 cr.) S & H, CSA  
 H211-H212 Latin American Culture and Civilization I-II (3-3 cr.) S & H, CSA  
 J300 Seminar in History (Latin American history section) (3 cr.) S & H  
 J400 Seminar in History (Latin American history section) (3 cr.) S & H  
 T495 Undergraduate Readings in History (1-12 cr.)

**Latino Studies**

- L101 Introduction to Latino Studies (3 cr.) S & H, CSA  
 L102 Introduction to Latino History (3 cr.) S & H, CSA  
 L103 Introduction to Latino Cultures (3 cr.) S & H, CSA  
 L111 Introduction to Latino Film (3 cr.) S & H, CSA  
 L301 Latino Immigrants in U.S. Society (3 cr.) S & H, CSA  
 L302 Latinos in the Media (3 cr.) S & H, CSA  
 L380 Latino/a Education Across the Americas (3 cr.) S & H, CSA  
 L396 Seminar in Latino Studies (3 cr.) S & H, CSA  
 L490 Individual Reading in Latino Studies (1-3 cr.)

**Linguistics**

- C101-C102 Haitian Creole I-II (4-4 cr., undergrad.; 3-3 cr., grad.)  
 L367 Languages of the World (3 cr.) S & H

**Political Science**

- Y200 Contemporary Political Problems (3 cr.)  
**S & H**
- Y337 Latin American Politics (3 cr.) **S & H, CSA**
- Y343 Development Problems in the Third World  
(3 cr.) **S & H**
- Y345 Comparative Revolutions (3 cr.) **S & H**
- Y346 Comparative Politics in Developing  
Countries (3 cr.) **S & H**
- Y362 International Politics of Selected Regions  
(3 cr.) **S & H**
- Y372 The Analysis of International Politics (3 cr.)  
**S & H**
- Y396 Seminar in Political Science (3 cr.)
- Y480 Undergraduate Readings in Political  
Science (1-6 cr.)
- Y496 Foreign Study in Political Science (3-8 cr.)

**Sociology**

- S335 Race and Ethnic Relations (3 cr.) **S & H**

**Spanish and Portuguese**

- S275 Introduction to Hispanic Culture (3 cr.)  
**CSA**
- S276 Spanish for Hispanic Students III (3 cr.)
- S315 Spanish in the Business World (3 cr.)
- S317 Spanish Conversation and Diction (3 cr.)
- S326 Introduction to Spanish Linguistics (3 cr.)  
**N & M**
- S331 The Hispanic World I (3 cr.) **A & H, CSA**
- S333 The Hispanic World (3 cr.) **A & H, CSA**
- S412 Spanish America: The Cultural Context  
(3 cr.) **A & H, CSA**
- S420 Modern Spanish-American Prose Fiction  
(3 cr.) **A & H**
- S423 The Craft of Translation (3 cr.)
- S425 Spanish Phonetics (3 cr.) **N & M**
- S428 Applied Spanish Linguistics (3 cr.)
- S435 Literatura Chicana y Puertorriqueña (3 cr.)  
**A & H**
- S471-S472 Spanish-American Literature I-II  
(3-3 cr.) **A & H**
- S479 Mexican Literature (3 cr.) **A & H**
- S480 Argentine Literature (3 cr.) **A & H**
- S495 Hispanic Colloquium (3 cr.)
- P317 Reading and Conversation in Portuguese  
(3 cr.)
- P405 Literature and Film in Portuguese **A & H,**  
**CSA**
- P410 Brazilian Cinema (3 cr.) **A & H, CSA**
- P412 Brazil: The Cultural Context (3 cr.) **A & H,**  
**CSA**
- P420 Literatures of the Portuguese-  
Speaking World in Translation (3 cr.) **A & H**
- P425 Structure of Portuguese Language (3 cr.)
- P470 Poetry in Portuguese **A & H, CSA**
- P475 Theatre in Portuguese **A & H, CSA**

*Additional Cross-Listed Courses that Count  
Toward the Area Certificate***Kelley School of Business**

- D300 International Business Administration  
(3 cr.)
- D301 International Business Environment (3 cr.)
- D302 International Business: Operations of  
International Enterprise (3 cr.)
- D490 Independent Study in International  
Business (cr. arr.)
- D496 Foreign Study in Business (2-6 cr.)

**School of Education**

- M300 Teaching in a Pluralistic Society (3 cr.)
- L441 Bilingual Education: Introduction (3 cr.)

**School of Journalism**

- J414 International News-Gathering Systems  
(3 cr.)

**Jacobs School of Music**

- X413 Latin American Popular Music,  
Performance Emphasis (3 cr.)
- X414 Latin American Ensemble (2 cr.)
- Z375 Introduction to Latin American Music  
(3 cr.) **A & H**
- Z413 Latin American Popular Music (3 cr.)

**School of Public and Environmental Affairs**

- E100 Environmental Topics (3 cr.)
- E400 Topics in Environmental Studies (3 cr.)
- E465 Environmental Management in the  
Tropics (3 cr.)



# Latino Studies

## Faculty

**Director** Professor Jorge Chapa

**Professors** Peter Guardino (History), Jeffrey Gould (History), John McDowell (Folklore and Ethnomusicology), Alberto Torchinsky (Mathematics)

**Associate Professors** Raquel T. Anderson (Speech and Hearing Sciences), Luis Dávila (Spanish and Portuguese), Luis Fuentes-Rhorer (School of Law), Bradley Levinson (Educational Leadership and Policy Studies), Manuel Martinez (English), John Nieto-Phillips (History), Christiana Ochoa (School of Law), Vasti Torres (Educational Leadership and Policy Studies)

**Assistant Professors** Gerardo Lopez (Educational Leadership and Policy Studies), Rebecca Martinez (Counseling and Educational Psychology), Sylvia Martinez (Educational Leadership and Policy Studies)

## Introduction

The Program in Latino Studies (LATS) will introduce 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 will address issues embracing 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 will provide 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.

## Minor in Latino Studies

15 College of Arts and Sciences credit hours including the following:

- L101 Introduction to Latino Studies
- L102 Introduction to Latino History
- 9 credit hours of Latino Studies courses and/or courses cross-listed with Latino Studies, with at least 6 credit hours at the 300-level or above.

## Course Descriptions

**L101 Introduction to Latino Studies (3 cr.) S & H, CSA** 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.

**L102 Introduction to Latino History (3 cr.) S & H, CSA** 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.

**L103 Introduction to Latino Cultures (3 cr.) S & H, CSA** 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.

**L111 Latino Film: An Introduction and Overview (3 cr.) S & H, CSA** 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.

**L301 Latino Immigrants in United States Society (3 cr.) S & H, CSA** 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.

**L302 Latinos in the Media (3 cr.) S & H, CSA** Explores the complex relationship between mainstream media constructions of Hispanics and the Mexican, Puerto Rican, and Cuban migrations to the United States.

**L325 Latinos on the Internet (3 cr.) CSA**  
P: L210 or L211, or permission of instructor. An intensive inventory, analysis, and critique of Latino-oriented Web-based materials as well as materials targeted to the general population to discover how well they suit the needs and preferences of the Latino population and how they might be improved.

**L380 Latino Education Across the Americas (3 cr.) S & H, CSA** P: L210 or L211, or permission of instructor. 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.

**L396 Seminar in Latino Studies (3 cr.) S & H, CSA P:** Open to juniors and seniors only. Readings and discussion of selected problems, topics may vary from year to year. Research paper required. May be repeated when topics are substantially different for a maximum of 6 credit hours.

**L490 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.

### English

L354 American Literature since 1914 (3 cr.)

**A & H Topic:** American Fiction

L374 Ethnic American Literature (3 cr.) **A & H, CSA Topic:** Introduction to Chicano Literature

L384 Studies in American Culture (3 cr.) **A & H, CSA Topic:** The Power of Place: Migration Culture and the Spatial Imagination

### Folklore and Ethnomusicology

F356 Chicano Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**

### Sociology

S335 Race and Ethnic Relations (3 cr.) **S & H, CSA**

### Spanish and Portuguese: Literature and Culture

S220 Chicano-Puerto Rican Literature (3 cr.) **A & H, CSA**

S260 Introduction to Hispanic Film (3 cr.) **A & H, CSA**

S413 Hispanic Culture in the United States (3 cr.) **A & H, CSA**

S471-S472 Spanish-American Literature I-II (3-3 cr.) **A & H**

### Telecommunications

T413 Global Media Issues (3 cr.) **S & H**



## Leadership, Ethics, and Social Action

**Director** Jean Robinson (Political Science)

**Web Site:** [www.indiana.edu/~lesa](http://www.indiana.edu/~lesa)

**Academic Advising and Program Coordinator** Joelene Bergonzi, (812) 855-6308, Woodburn Hall 210, e-mail: [lesa@indiana.edu](mailto:lesa@indiana.edu)

**Method** Community engagement contributes to all aspects of the university's mission. As a pedagogical method, service learning furthers students' critical thinking, improves their mastery of academic material, and examines the relationship between theory and practice. It also strengthens students' sense of social and ethical responsibility, deepens their understanding of the context of social issues, and encourages them to participate in communities beyond campus. Service learning also can make faculty and student research more rigorous, as well as more responsive to public concerns. Finally, service learning reinvigorates the university's commitment to using its resources for the public good. Reflection on the experience of community service is a crucial element of this pedagogy.

**Important Advising Notes:** Students should contact the advisor for the program early in their degree program to complete the minor application by spring of the sophomore year, and to receive information about course availability and sequencing, as well as program announcements and opportunities. Call (812) 855-6308 to make an appointment or e-mail [lesa@indiana.edu](mailto:lesa@indiana.edu) to inquire.

It is advisable to complete the first three requirements in the first and second year of the undergraduate program.

To obtain departmental consent to participate in the Capstone Seminar in the fall semester, students are expected to complete the other requirements listed below (1-4) before undertaking a capstone project. To prepare to submit a project proposal for the Capstone Seminar, it is strongly recommended that students take the 1 credit LESA L405 seminar in the spring semester before the capstone. Students should expect the capstone process to involve at least a one-year time commitment (spring of the junior year and fall of the senior year). Contact the advisor for more information.

When planning for overseas study, please arrange a program any spring other than the spring of the junior year, and any summer and/or fall semester other than fall of the senior year, to avoid the two semesters which will be taken up with capstone work.

### Minor in Leadership, Ethics, and Social Action

**Requirements** Students must complete the following (minimum of 15 credit hours):

1. LESA L105 (3 cr.), an introductory service learning course.
2. One course on ethics chosen from PHIL P140, POLS Y105, or REL R170.
3. One course on social organization chosen from ANTH E105, ANTH E200, SOC S215, or SOC S217.
4. A civic engagement seminar will be chosen from junior-level courses in a variety of departments. Students will research and write about a community issue or policy. Consult the LESA advisor for the current list of choices when preparing to register.
5. LESA L405 (3-6 cr.), the capstone project and seminar.

Substitutions for some of the above courses are available. Consult the LESA advisor for more information.

## Course Descriptions

**L101 Supplementary Service Learning Component (1-3 cr.)** This course permits an instructor to offer an optional, concurrent service learning component to supplement a course already taught. This component extends, reinforces, or applies the learning from the original course to meet a community need. May be repeated for a total of 6 credit hours.

**L105 Beyond the Sample Gates (3 cr.) S & H, TFR** This service-learning course combines the ethic of volunteerism with critical thinking skills and academic knowledge. The citizenship skills of public life are developed through "service politics," which is how individuals act through community engagement to create a common good. Students will work in a local organization throughout the semester. L105 is the foundations course for the minor in LESA.

**L401 Independent Study in Service Learning (1-3 cr.)** This course permits a student to design a service learning course within an interest or content area. The independent study may supplement a course in which student is concurrently enrolled. Independent studies in service learning comprise readings, reflective responses, and related community service. May be repeated for a total of 3 credit hours.

**L405 LESA Capstone Seminar (1-6 cr.)**  
P: Consent of the LESA Program. The student will integrate learning from an academic interest and LESA courses to develop a useful, tangible product for a community organization. This course will be taken for both the spring and fall semesters. In the spring, the student designs a project in consultation with a faculty advisor for an intellectual framework and with a community group member for articulation of needs. The service project is completed in the fall. During both semesters, the student meets with peers in the seminar to reflect on readings and experiences. May be taken for a maximum of 6 credit hours.

# Liberal Arts and Management Program

## Faculty

**Director** Professor James Madison (History)  
**Academic Advising** Amy Elson, Wylie Hall 245, (812) 856-4966

## 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 3.3 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. The College of Arts and Sciences fundamental skills composition requirement in English.
  2. LAMP S104 Freshman Seminar (satisfies the College of Arts and Sciences Topics requirement)
  3. MATH M118 or S118 Finite Math; or MATH M119 Brief Survey of Calculus; or MATH M211 Calculus I; or MATH M213 Accelerated Calculus.
  4. At least one semester of a foreign language.
  5. ECON E201 or S201 Introduction to Microeconomics.
  6. At least one course in the intended major area.
3. Three Liberal Arts and Management Program seminars in the College that draw together students' course work in business, economics, and liberal arts (9 credit hours):
    - a. LAMP Sophomore Seminar: Business and Humanities, LAMP L216
    - b. LAMP Junior Seminar: Analytical Problem Solving, LAMP L316
    - c. LAMP Senior Seminar: Liberal Arts and Management, LAMP L416

For further information, please contact the Liberal Arts and Management Program, Wylie Hall 245, (812) 856-4966, lamp@indiana.edu, or consult the program Web site at [www.indiana.edu/~lamp](http://www.indiana.edu/~lamp).

## Certificate in Liberal Arts and Management

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. Four courses in the College (to be completed by the end of a student's sophomore year of study) that are basic to the study of management and other business topics: (11-12 credit hours):
  - a. LAMP X298 Career Development for LAMP.
  - b. ECON E201 or S201 Introduction to Microeconomics.
  - c. ECON E202 or S202 Introduction to Macroeconomics.
  - d. MATH M118 or S118 Finite Mathematics; or MATH M119 Brief Survey of Calculus; or MATH M211 Calculus I; or MATH M213 Accelerated Calculus.
2. Six courses in the Kelley School of Business or approved substitutions in the College that develop technical business skills (16 credit hours):
  - a. BUS A100 Basic Accounting Skills\*.
  - b. BUS A201 Introduction to Financial Accounting\*.
  - c. BUS K201 or CSCI A110 The Computer in Business\*.
  - d. BUS L201 Legal Environment of Business\*.
  - e. BUS X333 Managing Business Functions.
  - f. BUS Z302 Managing and Behavior in Organizations.

\* These courses must be completed prior to enrollment in LAMP L316, the LAMP junior seminar.

## Course Descriptions

**L216 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.

**L316 Junior Seminar: Analytical Problem Solving (3 cr.) 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.

**L416 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.

**S104 Liberal Arts and Management Program Freshman Seminar (3 cr.) S & H, TFR** Open to freshmen interested in pursuing the Liberal Arts and Management Program Certificate. Specific topics will vary by section and over time, but all versions of S104 will meet the objectives of the College of Arts and Sciences Topics curriculum. Through close reading and writing, this course demonstrates how the fundamentals of business, public policy, and management connect with core principles of a liberal arts education in the context of the social sciences and historical studies. Credit given for only one of COLL E104, COLL S104, GLLC S104, or LAMP S104.

**X298 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.

**X398 Internship for LAMP (I-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. May be repeated for a maximum of 6 credit hours. 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.

**Cross-Listed Course**

**BUS X333 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.



# Linguistics

**Faculty**

**Chairperson** Professor Stuart Davis

**Chancellor's Professor** Daniel Dinssen

**Professors** Stuart Davis, Steven Franks (Slavic Languages and Literatures), Samuel Gyasi Obeng, Robert Port (Cognitive Science)

**Associate Professors** Julie Auger (French and Italian), Robert Botne, J. Clancy Clements (Spanish and Portuguese), Kenneth de Jong, Yoshihisa Kitagawa, Frances Trix (Near Eastern Languages and Cultures), Barbara Vance (French and Italian)

**Clinical Associate Professor** Alwiya Omar (African Languages Coordinator)

**Assistant Professors** Damir Cavar (Cognitive Science), Sandra Kübler

**Adjunct Professors** Kathleen Bardovi-Harlig (Second Language Studies), Phil Connell (Speech and Hearing Sciences), Judith Gierut (Speech and Hearing Sciences, Cognitive Science), Harry Gradman (Second Language Studies), Beverly Hartford (Second Language Studies), Lawrence Moss (Mathematics), David Pisoni (Psychological and Brain Sciences), Natsuko Tsujimura (East Asian Languages and Cultures)

**Adjunct Associate Professors** Laurent Dekydtspotter (French and Italian), George Fowler (Slavic Languages and Literatures), Michael Gasser (Cognitive Science, Computer Science), Susan Herring (Library and Information Science), Philip LeSourd (Anthropology), Roxana Ma Newman (International Programs), John Paolillo (Library and Information Science), Rex Sprouse (Germanic Studies)

**Adjunct Assistant Professor** Julien Musolino (Speech and Hearing Sciences)

**Distinguished Professor** Paul Newman (Emeritus)

**Rudy Professor** Albert Valdman (Emeritus, French and Italian)

**Academic Advising** Memorial Hall 322, (812) 855-6456

**Introduction**

Linguistics is the scientific study of language in all its forms and uses. The Department of Linguistics (LING) offers a major in linguistics leading to a B.A. degree, and the opportunity for interested students to take course work that satisfies distributional 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.

## Major in Linguistics

**Core Requirements** Students must complete the following courses in linguistics: L306, L307, L310, L431, and four electives, of which two must be at the 300-400 level. One elective may be from a related area.

**Language Structure Requirements** L432, or L490, or two courses in a language approved by the department, excluding major western European languages (such as Germanic, Greek, Romance, or Slavic).

**Language Proficiency Requirement** At least one 3 credit hour course at the 300-400 level of a foreign language.

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

## Double Major

**Requirements** Students taking linguistics within the framework of a double major must fulfill the core linguistics requirements and the language structure requirement listed above.

## Interdepartmental Major in Linguistics and Speech and Hearing Sciences (Focus on Speech Technology)

**Requirements:** 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 L303 Introduction to Linguistic Analysis (3 cr.)
2. LING L445 The Computer and Natural Language (3 cr.)
3. LING L306 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 S110 Survey of Communication Disorders (3 cr.)
2. SPHS S319 Mathematical Foundation for Speech and Hearing Sciences (3 cr.)
3. SPHS S302 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. Computer Science C211 Introduction to Computer Science (4 cr.)

2. At least one of the following courses (or an approved substitute):
  - a. Psychological and Brain Sciences P325 Psychology of Learning (3 cr.)
  - b. Psychological and Brain Sciences P329 Sensation and Perception (3 cr.)
  - c. Psychological and Brain Sciences P335 Cognitive Psychology (3 cr.)
  - d. Computer Science C212 Introduction to Software Systems (4 cr.)
  - e. Computer Science C241 Discrete Structures for Computer Science (3 cr.)
  - f. Cognitive Science Q240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.)
  - g. Cognitive Science Q270 Experiments and Models of Cognition (4 cr.)
  - h. Cognitive Science Q320 Computation and Cognitive Science (4 cr.)
  - i. Cognitive Science Q351 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.

## Minor in Linguistics

**Requirements** At least 15 College of Arts and Sciences credit hours approved by the department, including either L103 or L303. 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.

## Minor in African Languages

**Requirements** Students must complete the following:

1. Minimum of 13 credit hours in one of the following language tracks:
  - a. Akan/Twi: W102, W201, W202, W301
  - b. Bambara: B102, B201, B202, B301
  - c. Hausa: H102, H201, H202, H301
  - d. Swahili: S102, S201, S202, S301
  - e. Zulu: Z102, Z201, Z202, Z301
2. Minimum of 3 credit hours in either L480 or L481

**Note:** First-semester language courses do not count in the minor. Most students will need to complete 20 credit hours to satisfy all minor requirements in order to complete the prerequisite first semester of the relevant African language as well as the courses required for the minor.

## Course Descriptions

**L103 Introduction to the Study of Language (3 cr.)** 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.

**L111 Dialect and Language Variation (3 cr.) S & H, TFR** A study of variation, particularly dialectal variation, in American English, examining the situation in Indiana within the broader American dialect setting. Topics include the myths, attitudes, and realities surrounding the concept of dialect, standard and non-standard dialects, dialects of American English, dialects in Indiana, and methods of gathering and analyzing data.

**L112 Language and Politics (3 cr.) S & H, TFR** 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).

**L113 Language and Gender (3 cr.) S & H, TFR** How do women and men use language? How does language reflect the status of men and women in society? Topics discussed include: language and sexism, language and gender across cultures, language and homosexuality, the acquisition of gendered patterns of language, politeness and gender, and why women and men speak differently.

**L114 Language and Religion (3 cr.) A & H, TFR** Hinduism, Buddhism, Shinto, Islam, Christianity, and other religions exhibit diverse attitudes toward language, specific linguistic practices, and styles of religious speech (singing, chanting). Discover how religions deal with the loss of intelligibility over time of their sacred texts (Bible, Koran, Sutras) and find out why translation into a modern language cannot completely solve the problem. Field trips to religious events.

**L205 Language and Style (3 cr.) 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.

**L210 Topics in Language and Society (3 cr.) S & H** The study of topics relating to the role of language as a social phenomenon.

**L303 Introduction to Linguistic Analysis (3 cr.) N & M** Introduction to basic concepts of linguistic analysis, exemplifying the general principles of structural approaches to the study of language. Application of analytical methods

to problems selected from phonetics, phonology, morphology, syntax, and semantics.

**L306 Phonetics (3 cr.) 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.

**L307 Phonology (3 cr.) 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.

**L308 Morphology (3 cr.) N & M P:** L103, L303, 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.

**L310 Syntax (3 cr.) N & M R:** L303. 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.

**L315 Introduction to Sociolinguistics (3 cr.) S & H** Examines the relationship between language and society. Issues include the nature of sociolinguistics; the importance of age, sex, socio-economic 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.

**L325 Semantics (3 cr.) N & M R:** L303 and L310 or L308. 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.

**L327 Language, Action, and Social Interaction (3 cr.) S & H P:** Consent of instructor. R: L205. Participants in social interaction use language to perform such activities as describing, telling stories, requesting, criticizing, apologizing, insulting, objecting, joking, greeting, and teasing. This course examines how participants

accomplish these actions in talk and face-to-face interaction. Instruction may include use of video/audio recordings or computer analysis of interaction. Credit given for only one of L327 or SOC S327.

**L367 Languages of the World (3 cr.) S & H**  
P: L103 or L303. 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.

**L399 Readings in Linguistics (Honors) (cr. arr.; 6 cr. max.)** P: Consent of departmental honors committee.

**L408 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.

**L430 Language Change and Variation (3 cr.) 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.

**L431 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.

**L432 Advanced Field Methods (3 cr.)** P: L431. Advanced analysis of language under study in L431.

**L445 The Computer and Natural Language (3 cr.) 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.

**L480 Introduction to African Linguistics (3 cr.) S & H** P: L303 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.

**L481 Languages in Africa (3 cr.) S & H, CSA**  
Study of languages 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, story telling, proverbs, and anthroponymy. Issues addressed include women and rhetoric, language education and the dynamics of language spread.

**L485 Topics in Linguistics (3 cr.)** P: Varies according to topic. Studies in special topics not ordinarily covered in departmental courses.

**L490 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.

**L499 Honors Project (cr. arr.; 6 cr. max.)**  
P: Approval of the departmental honors committee.

### *African Languages*

**B101-B102 Elementary Bambara I-II (4-4 cr.)**  
Introduction to Bambara, a Mande language of West Africa, and aspects of Bambara culture. Basic grammatical structures and vocabulary. Emphasis on the spoken language.

**B201-B202 Intermediate Bambara I-II (3-3 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.

**B301-B302 Advanced Bambara I-II (3-3 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 the needs of students enrolled.

**H101-H102 Elementary Hausa I-II (4-4 cr.)**  
Introduction to Hausa, a language spoken in Nigeria and Niger, and aspects of Hausa culture. Basic grammatical structures and vocabulary. Emphasis on the spoken language.

**H201-H202 Intermediate Hausa I-II (3-3 cr.)**  
P: Grade of C or higher in H102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills: speaking and writing. Reading of elementary texts.

**H301-H302 Advanced Hausa I-II (3-3 cr.)**  
P: Grade of C or higher in H202 or equivalent proficiency. Examination of subtle nuances in grammatical structures. Advanced readings of traditional and modern literature. Composition. Oriented to needs of students enrolled.

**S101-S102 Elementary Swahili I-II (4-4 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.

**S201-S202 Intermediate Swahili I-II (3-3 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.

**S301-S302 Advanced Swahili I-II (3-3 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.

**W101 Elementary Twi/Akan I (4 cr.)**

Introduction to Twi, 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.

**W102 Elementary Twi/Akan II (4 cr.)**

P: Grade of C or higher in 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.

**W201 Intermediate Twi/Akan I (3 cr.)**

P: Grade of C or higher in W102 or equivalent proficiency. Study of more complex grammatical structures, with emphasis on active skills, speaking and writing. Reading of elementary texts.

**W202 Intermediate Twi/Akan II (3 cr.)**

P: Grade of C or higher in 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, translation from English to Twi and from Twi to English. Description of cultural events through the use of videos and Internet resources.

**W301 Advanced Twi/Akan I (3 cr.)** P: Grade of C or higher in W202 or equivalent proficiency. Examination of subtle nuances in grammatical structures. Advanced readings of traditional and modern literature.

**W302 Advanced Twi/Akan II (3 cr.)** P: Grade of C or higher in 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 Twi.

**Z101 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.

**Z102 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.

**Z201 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.

**Z202 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.

**Z301 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.

**Z302 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.

**F101-F102 Elementary African Languages I-II (4-4 cr.)** P for F102: 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.

**F201-F202 Intermediate African Languages I-II (3-3 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.

**F301-F302 Advanced African Languages I-II (3-3 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.

**A400 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.

#### *Other Languages*

**C101 Haitian Creole I (4 cr.)** Introduction to Haitian Creole, the vernacular languages of Haiti; conversational drill, grammatical explanations and exercises, listening comprehension training; aspects of Haitian culture, including voodoo, primitive art, and the life of the Haitian peasant.

**C102 Haitian Creole II (4 cr.)** Introduction to Haitian Creole, the vernacular languages of Haiti; conversational drill, grammatical explanations and exercises, listening comprehension training; aspects of Haitian culture, including voodoo, primitive art, and the life of the Haitian peasant.



## Mathematics

### Faculty

**Chairperson** Professor James Davis

**College Professor** Roger Temam

**Professors** Steen Andersson, Eric Bedford, Grahame Bennett, Hari Bercovici, Richard Bradley, John Challifour, Jiri Dadok, James Davis, Vinay Deodhar, Allan Edmonds, Robert Glassey, Victor Goodman, Darrell Haile, David Hoff, Michael Jolly, Paul Kirk, Jee Koh, Michael Larsen, Charles Livingston, Valery Lunts, Russell Lyons, Larry Moss, Kent Orr, Sergey Pinchuk, Jacob Rubinstein, Peter Sternberg, Maynard Thompson, Alberto Torchinsky, Lanh Tran, Shouhong Wang, Kevin Zumbrun

**Associate Professors** Scott Brown, Marlies Gerber, Elizabeth Housworth, Christopher Judge, Nets Katz, Ayelet Lindenstrauss, Michael Mandell, Ji-Ping Sha, Bruce Solomon, Zhenghan Wang, Matthias Weber, William Wheeler

**Assistant Professors** Christopher Connell, David Fisher, Patricia Hersh, Kevin Pilgrim

**Senior Lecturers** Linda McKinley, Greg Peters

**Lecturers** Jeremy Boggess, Andrew Dabrowski, Greg Kattner, Norm Levenberg, Steve McKinley, Will Orrick, Kimberley Polly, John Steele, Tracy Whelan

**Professors Emeriti** Goro Azumaya, Thomas Bagby, Rabi Bhattacharya, John Brothers, Arlen Brown, Ciprian Foias, Jan Jaworowski, Andrew Lenard, Morton Lowengrub, Robert MacKenzie, Daniel Maki, Madan Puri, Billy Rhoades, Joseph Stampfli, William Ziemer

**Academic Advising** Rawles Hall 115, (812) 855-3171

### Introduction

Mathematics forms a foundation for many areas of natural and social sciences and is a core subject of human thought. As such, a math degree can prepare a student for a career in teaching, or research in mathematics, a career as an actuary, or a career as a statistician. A math degree is also an excellent springboard for further study in many different areas: natural science, computer science, or professional school. Mathematics often works well as a double major or double degree.

College-level work in mathematics presupposes two years of algebra and one year of geometry in high school. The calculus sequence M211-M212 is the normal starting point for all majors and minors in mathematics. These courses (or their equivalents) should be completed before courses at the 300 level (other than K300, K305, K310, and M330) are attempted.

The honors course S212 is available for students of outstanding ability (credit for M211 and consent of department required). Particularly well-prepared students may take the accelerated course M213, which covers the material of M211 and M212 in one semester (consent of department required).

Honors “S” courses may replace “M” courses with the same number for the purpose of meeting stated requirements.

**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. A score of 4 or 5 on the Statistics exam earns the student 3 credits of K300. 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.

### Major in Mathematics—B.A.

**Requirements** Majors must complete the following:

1. M211-M212, M211-M213, or M211-S212.
2. M301 or M303, and M311.
3. Five courses from the following list so that two 400-level “M” courses are included. Courses are chosen from the following eight areas of mathematics to include either:
  - a. at least one course from each of three different areas, or
  - b. at least two 400-level courses from each of two different areas from the following list:
    - Algebra and Number Theory: 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
    - Logic: M391, M482
    - Mathematics Education and History: T336, M380, T403
    - Probability and Statistics: M360, M365, M366, M463, M464, M466, M467, M468

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 A201 or C211 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 level.

### 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, computer science, economics, geology, physics, or psychology (Program II).

#### Requirements

##### Program I

1. Writing, same as B.A. degree.
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; natural sciences, fulfilled by major.
4. Concentration requirements, at least 39 credit hours of mathematics, including:
  - a. M303, M311, and M312;
  - b. at least one of M343 or M365;
  - c. at least one of the sequences M413-M414 or M413-M415;
  - d. at least one of the sequences M403-M404, M403-M405, M403-M409, or M403-M453;
  - e. 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.
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; natural sciences, fulfilled by major.
  4. Concentration requirements, at least 33 credit hours of mathematics, including:
    - a. M301 (or M303), M311, M312, M343, and M344;
    - b. at least one of the sequences M413-M414 or M413-M415;
    - c. At least one of the sequences M441-M442, M463-M464, M463-M466, M467-M468, or M471-M472.
  5. Computer Science A201 or C211 or another course approved by the mathematics department. This requirement may be waived for students who can demonstrate proficiency in computer programming.
  6. Outside concentration: a concentration approved by the department consisting of 9 credit hours in one of the following departments: Astronomy, Biology, Chemistry, Computer Science, Economics, Geology, Physics, or other departments with approval of the mathematics department.
- Appropriate courses taken under the heading "Additional Requirements" below, can be used toward fulfillment of this natural sciences requirement. Students may not use a Topics course or Freshman Seminar course toward fulfillment of this natural sciences requirement.
6. Topics course, one appropriate course that is also an Arts and Humanities distribution course or a Social and Historical Studies distribution course.
  7. Concentration requirements, at least 33 credit hours of mathematics courses with a minimum grade of C- in each course and an average of C (2.0) in all concentration courses, including both M211 and M212, or M213; M311; M301 or M303 or S303; M365; M463; M466; M467; M468; M448.
- The requirement of M211 and M212 can be waived for students who attain appropriate scores on advanced placement calculus tests.
8. Additional requirements, at least 24 credit hours in courses from the natural sciences and/or quantitatively oriented courses from the social sciences. Students must earn a minimum grade of C- in each course. Students can choose suitable courses from the following fields: astronomy, biology, chemistry, economics, environmental studies, geography, geology, physics, psychological and brain sciences, sociology, any other field approved by the mathematics department director of Undergraduate Studies. These 24 credit hours must include the following:
    - a. a concentration of at least 9 credit hours, at least 3 of which are at the 300- or 400-level, in one of the fields in that list;
    - b. at least 3 credit hours in each of two other fields in that list, and
    - c. approval of the mathematics department director of Undergraduate Studies, in conjunction with mathematics department faculty specializing in statistics.
  9. Computer proficiency, reasonable proficiency with computer programming demonstrated by taking CSCI A201, MATH M371, or an appropriate substitute approved by the mathematics department director of Undergraduate Studies.

Students must also complete the requirements and procedures listed in this bulletin under "General Requirements for Bachelor's Degrees." There is no culture studies requirement.

**Language Recommendations** Students preparing for graduate study in mathematics or a science are strongly encouraged to study French, German, or Russian.

**Note:** Students may be awarded either the B.S. in Mathematics or the B.S. in Statistics, but not both.

Students must also complete the requirements and procedures listed in this bulletin under "General Requirements for Bachelor's Degrees." There is no culture studies requirement.

## Statistics—B.S.

### Purpose

The B.S. in Statistics degree program will provide students with an education in the mathematical theory and practical applications of the field of statistics, and help prepare students to pursue a career involving statistics.

### Requirements

1. Writing, same as B.A. degree
2. Foreign language, 3 credit hours (or the equivalent proficiency) at or above the second-year level
3. Arts and Humanities, three courses
4. Social and Historical Studies, three courses
5. Natural Sciences, three courses (excluding mathematics, computer science, or cognitive science). The courses taken in fulfillment of this natural sciences requirement must be completed with a grade of C- or higher.

Students must also complete the requirements and procedures listed in this Bulletin under "General Requirements for Bachelor's Degrees."

**Note:** Students may be awarded either the B.S. in Mathematics or the B.S. in Statistics, but not both.

## 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 3.3 in all their courses and at least a grade point average of 3.5 in their mathematics courses. Students who successfully complete most of the courses above may petition the department to qualify for departmental honors. Qualified nonhonors students may petition the department to take honors mathematics courses beginning with S303 or S311.

### Minor in Mathematics

**Requirements** 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 2.0 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 or M360-M366 are 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.

**Requirements** 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 (M366\*, M463, M464, M465, M466, M467, M468).

\***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.

3. Statistics: The sequence Mathematics M360-M366, or 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 take Mathematics M360, M366, M371, M463, M464, and one course from M466, M467, 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 in mathematics.

### Actuarial Studies

Actuaries use mathematics and financial theory 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, employee benefits consulting firms, or the benefits departments of general businesses and government agencies. Although Indiana University Bloomington does not offer a degree in actuarial science, it is possible to design a program of study within the general B.A. or B.S. degree in mathematics that will prepare the graduate for entry into the actuarial profession. For further information, contact the mathematics department's academic advisor, Rawles Hall 115, (812) 855-1589.

To advance in the actuarial profession, one must pass a series of 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)). The Course 1 examination is a four-hour test on calculus and probability. The syllabus of the examination is covered in M211, M212, M311, and M463. The courses M464 and M466



provide preparation for more advanced exams. The Course 1 examination is administered in the mathematics department each fall. For more information, contact the department's academic advisor.

It is recommended that students pursuing actuarial studies take Accounting A201-A202 and Economics E201-E202 as well as Computer Science A201 or C211 or Business K201. It is also suggested that the students take a course in business law, such as Business L201.

## Course Descriptions

In the following list of courses, the first digit indicates the level of difficulty. The middle digit normally indicates the field of mathematics: x0y, algebra; x1y, analysis; x2y, topology; x3y, geometry; x4y, applied mathematics; x6y, probability and statistics; x7y, numerical analysis; x8y, history and foundations.

### **J010 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.

**M014 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.

**X015 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.

**M018 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.

### **A025 Computer Based Precalculus (3 cr.)**

P: Two years of high school algebra or M014, and one year of high school geometry. An algebra course to prepare for M119. Credit may not be applied toward a degree in the College of Arts and Sciences; a grade of C- or higher is needed to satisfy the College of Arts and Sciences mathematics fundamental skills requirement.

### **M025 Precalculus Mathematics (3 cr.)**

P: Two years of high school algebra or M014, and one year 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; a grade of C- or higher is needed to satisfy the College of Arts and Sciences mathematics fundamental skills requirement. I Sem., II Sem., SS.

### **M026 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.

### **M027 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; and a minimum grade of C- is needed to satisfy the College of Arts and Sciences mathematics fundamental skills requirement. Non-College of Arts and Sciences students should see their advisor about appropriate mathematics selection. I Sem., II Sem.

### **T101 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.

### **T102 Mathematics for Elementary Teachers II (3 cr.)**

P: T101; students may enroll concurrently in T102 and T103 with the approval of a School of Education advisor. Sets, operations, and functions. Prime numbers and elementary number theory. Elementary combinatorics,

probability, and statistics. Open only to elementary education majors. I Sem., II Sem.

**T103 Mathematics for Elementary Teachers III (3 cr.)** P: T101; 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.

**T104 Mathematics for Elementary Teachers via Problem Solving (4 cr.)**  
P: M118 or consent of department. Emphasizes mathematical thinking, problem solving, and the development of adult-level perspectives about the nature of the mathematics content taught in the elementary school. Topics include number/numeration, whole number operations, real numbers (particularly integers and rationals), topics in number theory, measurement, and informal geometry. Open only to education majors. I Sem., II Sem.

**J110 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.

**M110 Excursions into Mathematics (3 cr.)**  
P: One year each of high school algebra and geometry or the equivalent. A course designed to convey the flavor and spirit of mathematics, stressing reasoning and comprehension rather than technique. Not preparatory to other courses; explores topics in the theory of games and in properties of polyhedra. This course does not count toward a major in mathematics.

**J111 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.

**J112 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.

**J113 Introduction to Calculus with Applications (3 cr.)** N & M P: Consent of department. For Groups students only. A survey of calculus. J113 can count toward the College of Arts and Sciences fundamental skills requirement in mathematics and the College of Arts and Sciences natural and mathematical sciences distribution requirement for Groups students. Credit not given for both J113 and MATH M119 or both J113 and MATH M211 or M215.

**D116-D117 Introduction to Finite Mathematics I-II (2-2 cr.)** P: D116: Two years of high school algebra or M014. D117: Two years of high school algebra or M014, and D116 with a grade of at least C-. D116-D117 is a two-course sequence that satisfies the mathematics fundamental skills requirement in the College of Arts and Sciences. 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. N & M distribution credit will be given only upon completion of both D116 and D117. Credit given for only one of the following: the sequence D116-D117 or M118 or A118.

**A118 Finite Mathematics for the Social and Biological Sciences (3 cr.)** N & M P: Two years of high school algebra or M014. Quantitative reasoning (elementary combinatorics and probability; examples of statistical inference), linear modeling, game models of conflict, and methods and theory of social choice. Applications to genetics, medical diagnosis, law, finance, social science research, ecology, and politics. Credit given for only one of A118, M118, or the sequence D116-D117. I Sem., II Sem.

**M118 Finite Mathematics (3 cr.)** N & M P: Two years of high school algebra or M014. Sets, counting, basic probability, including random variables and expected values. Linear systems, matrices, linear programming, and applications. Credit given for only one of M118, A118, or the sequence D116-D117.

**S118 Honors Finite Mathematics (3 cr.)** 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.

**M119 Brief Survey of Calculus I (3 cr.)** 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.

**M120 Brief Survey of Calculus II (3 cr.) 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.

**X201 Transition to Calculus II (1 cr.)**

P: B or higher in M119. Provides a transition from M119 to M212. Trigonometric functions and their identities (rapid review), limits, derivatives of trigonometric functions, related rates, implicit differentiation, mean value theorem, L'Hospital's rule, Riemann sums, antiderivatives of trigonometric functions. Credit not given for both M211 and X201. II Sem.

**M211 Calculus I (4 cr.) 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.

**M212 Calculus II (4 cr.) N & M P:** M119 and X201, or M211. Techniques of integration (by parts, trigonometric substitutions, partial fractions), improper integrals, volume, work, arclength, surface area, infinite series. A student may receive credit for only one of M120 and M212. I Sem., II Sem., SS.

**S212 Honors Calculus II (4 cr.) 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.

**M213 Accelerated Calculus (4 cr.) 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.

**M295 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.

**S299 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.

**K300 (PSY K300) Statistical Techniques (3 cr.)**

P: M014 or equivalent. R: M118. An introduction to statistics. Nature of statistical data. Ordering and manipulation of data. Measures of central tendency and dispersion. Elementary probability. Concepts of statistical inference decision: estimation and hypothesis testing. Special topics discussed may include regression and correlation, analysis of variance, non-parametric methods. Credit given for only one of the following: K300, K310; CJUS K300; ECON E370 or S370; SOC S371; or SPEA K300. I Sem., II Sem., SS.

**M301 Linear Algebra and Applications (3 cr.)**

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.

**M303 Linear Algebra for Undergraduates (3 cr.) 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.

**S303 Honors Course in Linear Algebra (3 cr.)**

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.

**K305 Statistical and Mathematical Techniques for Journalism (3 cr.) P:**

One college-level mathematics course and JOUR J200. R: M118. Intended for journalism majors. An introduction to the mathematical and statistical methods necessary in the practice of journalism. Working with data, measures of central tendency and dispersion. Statistical inference and hypothesis testing. The use of spreadsheets in statistical work. Focus on the exposition of mathematical and statistical results. Credit given for only one of the following: K300, K305, K310; CJUS P291; ECON E370; PSY K300; SOC S371, or SPEA K300.

**K310 (PSY K310) Statistical Techniques (3 cr.) 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 the following: PSY or MATH K300, K310; CJUS K300; ECON E370 or S370; SOC S371; or SPEA K300. I Sem., II Sem.

**M311 Calculus III (4 cr.)** 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.

**S311 Honors Course in Calculus III (4 cr.)** 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.

**M312 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.

**S312 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.

**M321 Intuitive Topology (3 cr.)** 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.

**M330 Exploring Mathematical Ideas (3 cr.)** 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.

**T336 Topics in Euclidean Geometry (3 cr.)** 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.

**M337 Mathematics and Art (3 cr.)** N & M P: M118 or M119. We explore connections between mathematics and art, illuminating historical and modern developments in art, mathematics, and computer graphics. Group/activity-based learning will cover correct drawing/viewing of perspective art, fractal geometry and its relation to art, tilings and symmetry in art. Field trip to Indianapolis Museum of Art included.

**M343-M344 Introduction to Differential Equations with Applications I-II (3-3 cr.)** N & M P for M343: M212. P for M344: 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.

**S343 Honors Course in Differential Equations (3 cr.)** 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  $\exp(tA)$ .

**S344 Honors Course in Differential Equations II (3 cr.)** 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.

**M348 Discrete Mathematical Models (3 cr.)** 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.

**M360 Elements of Probability (3 cr.)** P: M212 and M311, which may be taken concurrently. Introduction to theory of probability. Probability models, combinatorial problems, conditional probability and independence, random variables, discrete and continuous distributions, repeated Bernoulli trials, gambler's ruin problems, moments, moment generating functions, law of large numbers, central limit theorem and applications. Credit not given for both M360 and M365. I Sem.

**M365 Introduction to Probability and Statistics (3 cr.)** 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.

**M366 Elements of Statistical Inference (3 cr.)**

P: M360. Introduction to statistical theory. Basic sampling distributions. Order statistics. Point estimation, maximum likelihood estimation, the Cramer-Rao bound, least squares method, confidence intervals, hypothesis-testing concepts, Neyman-Pearson lemma, likelihood ratio tests, linear models, large sample theory, contingency tables, goodness-of-fit tests. II Sem.

**M371 Elementary Computational Methods**

(3 cr.) 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.

**M380 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.

**X384 Modal Logic (3 cr.)** 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.

**M385 Mathematics from Language (3 cr.)**

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.

**M391 Introduction to Mathematical Reasoning**

(3 cr.) N & M P: M212 or both M211 and CSCI C241. R: M212. 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.

**Y398 Internship in Professional Practice**

(1-3 cr.) S/F grading. P: Approval of Department of Mathematics. 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.

**M403-M404 Introduction to Modern Algebra I-II**

(3-3 cr.) P: M301 or M303. Study of groups, rings, field extensions, with applications to linear transformations. M403, I Sem.; M404, II Sem.

**S403-S404 Honors Course in Modern Algebra I-II**

(3-3 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.

**T403 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.

**M405 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.

**M409 Linear Transformations (3 cr.)**

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.

**M413-M414 Introduction to Analysis I-II**

(3-3 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.

**S413-S414 Honors Course in Analysis I-II**

(3-3 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.

**M415 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.

**M420 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.

**M435 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.

**H435 Summer Institute for Mathematics**

**Teachers (3 cr.)** Intensive four-week seminar/workshop designed for middle and high school mathematics teachers. Topics from Euclidean geometry and probability and statistics will be explored using computer software.

**M441-M442 Introduction to Partial Differential Equations with Applications I-II (3-3 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.

**H447 Summer Institute in Mathematical**

**Models (1-4 cr.) S/F grading.** P: M303, M365. Introduction to mathematical models and computer tools for modeling. Mathematical topics include games, graphs, queues, growth processes, and optimization. Emphasis on small group problem solving and on topics which can be incorporated into the high school curriculum.

**M447-M448 Mathematical Models and**

**Applications I-II (3-3 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.

**M451 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.

**M453 Cryptography (3 cr.) 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.

**M455 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.

**M456 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.

**M463 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.

**S463 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.

**M464 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.

**S464 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.

**M466 Introduction to Mathematical**

**Statistics (3 cr.)** P: M463 or consent of instructor. Rigorous mathematical treatment of problems in sampling and statistical inference. Sufficient statistics, exponential distributions, monotone likelihood ratio, most powerful tests, minimum variance estimates, shortest confidence intervals, linear models and analysis of variance, non-parametric methods. II Sem.

**M467 Advanced Statistical Techniques I (3 cr.)**

P: M365, M366 or consent of instructor. Statistical techniques of wide application, developed from

the least-squares approach: fitting of lines and curves to data, multiple regression, analysis of variance of one-way and two-way layouts under various models, multiple comparison. I Sem.

**M468 Advanced Statistical Techniques II (3 cr.)**

P: M365, M366, or consent of instructor. Analysis of discrete data, chi-square tests of goodness of fit and contingency tables, Behrens-Fisher problem, comparison of variances, nonparametric methods, and some of the following topics: introduction to multivariate analysis, discriminant analysis, principal components. II Sem.

**M471-M472 Numerical Analysis I-II (3-3 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.

**M482 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.

**M490 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.

**M491 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.

**S499 Reading for Honors (12 cr. max.)**

P: Approval of departmental honors committee. I Sem., II Sem., SS.

# Medieval Studies

## Faculty

**Director** Professor H. Wayne Storey (French and Italian)

**Chancellor's Professors** Judith Anderson (English), Robert Fulk (English)

**Distinguished Professors** Thomas Mathiesen (Jacobs School of Music)

**Professors** Christopher Beckwith (Central Eurasian Studies), David Brakke (Religious Studies), Jamsheed Choksy (Central Eurasian Studies), Juan Carlos Conde (Spanish and Portuguese), Henry Cooper (Slavic Languages and Literatures), Devin DeWeese (Central Eurasian Studies), Dyan Elliott (History), Paul Elliot (Early Music Institute), Kari Gade (Germanic Studies), Wendy Gillespie (Jacobs School of Music), Paul Hillier (Early Music Institute), Olga Impey (Spanish and Portuguese), Eugene Kintgen (English), W. Eugene Kleinbauer (Fine Arts), Eleanor Leach (Classical Studies), Karma Lochrie (English), Consuelo López-Morillas (Spanish and Portuguese), Fedwa Malti-Douglas (Comparative Literature, Gender Studies), Jacques Merceron (French and Italian), Emanuel Mickel (French and Italian), Domenico Bertoloni Meli (History and Philosophy of Science), William Newman (History and Philosophy of Science), Josep Sobrer (Spanish and Portuguese), Paul Spade (Philosophy), Suzanne Stetkevych (Near Eastern Languages and Cultures), John Walbridge (Near Eastern Languages and Cultures)

**Associate Professors** Chris Atwood (Central Eurasian Studies), Ann Carmichael (History, History and Philosophy of Science), Arthur Field (History), Patricia Ingham (English), Thomas Keirstead (East Asian Languages and Cultures), Paul Losensky (Central Eurasian Studies), Rosemarie McGerr (Comparative Literature), Leah Shopkow (History), Eliot Sperling (Central Eurasian Studies), Kemal Silay (Central Eurasian Studies), Martha Vinson (Near Eastern Languages and Cultures)

**Assistant Professors** Bridget Balint (Classical Studies), Deborah Deliyannis (History), Constance Furey (Religious Studies), Shannon Gayk (English), Kevin Jaques (Religious Studies), Diane Reilly (Fine Arts), Massimo Scalabrini (French and Italian), Edward Watts (History)

## 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, the area certificate, or in receiving additional information regarding the Institute's events and announcements should consult its Web site [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).

## Minor in Medieval Studies

**Requirements** Students must complete 15 credit hours from at least three departments in the College of Arts and Sciences. At least two courses 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.

## Area 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 an area certificate as part of completing the bachelor's degree and in addition to completing requirements for a major.

**Requirements** 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. An 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 two courses must be at the 300 level or above, and no more than one course can be at the 100 level.

## Course Descriptions

**M200 Medieval Cultures (3 cr.) A & H, CSA**  
Introduction to medieval cultures and life. May be repeated once with a different topic for a maximum of 6 credit hours.

**M390 Studies in Medieval Culture (2-4 cr.)**  
Examination and evaluation of various aspects, periods, and manifestations of medieval civilization. Study will be interdisciplinary, focusing on such subjects as Jews, Moslems, 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.

**M490 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

## Faculty

**Chair** Professor John Walbridge

**Professors** Salman Al-Ani, Salih Altoma (Emeritus), Christopher Beckwith (Central Eurasian Studies), Devin DeWeese (Central Eurasian Studies), Hasan El-Shamy (Folklore and Ethnomusicology), John Hanson (African Studies), Iliya F. Harik (Emeritus, Political Science), W. Eugene Kleinbauer (Emeritus, Fine Arts), Consuelo López-Morillas (Spanish and Portuguese), Thomas J. Mathiesen (Distinguished Professor of Musicology, Jacobs School of Music), Christine Ogan (Journalism), Karen Rasler (Political Science), M. Nazif Shahrani (Central Eurasian Studies, Anthropology), Suzanne Stetkevych, Ruth Stone (Folklore and Ethnomusicology), John Walbridge

**College Professor** Henry Glassie (Folklore and Ethnomusicology)

**Associate Professors** Jane Goodman (Communication and Culture), Stephen Katz (Jewish Studies), Paul Losensky (Central Eurasian Studies), Herbert Marks (Comparative Literature), Frances Trix (Visiting, Linguistics), Martha P. Vinson, Steven Phillip Weitzman (Religious Studies)

**Assistant Professors** Christiane Gruber (Fine Arts), Kevin Jaques (Religious Studies), Matthias Lehmann (History), Abdulkader Sinno (Political Science)

**Lecturers** Zainab S. Istrabadi, Erdem Çipa

**Undergraduate and Honors Advisor**  
John Radez, Weatherly 112, (812) 856-7039

## Introduction

The Department of Near Eastern Languages and Cultures (NELC) offers a major leading to the B.A. degree, and minors in Arabic, Persian, 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 distribution requirements. All courses can also be taken as electives.

## 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.

**Requirements** Students must select either the Language Track or the Culture Track. Students must complete a minimum of 25 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 25 credit hour minimum required for the major.

### Language Track (Arabic, Hebrew, or Persian)

1. Three years of Arabic, Hebrew, or Persian language (or the equivalent)
2. Five additional courses (minimum of 15 credit hours) chosen with the consent of the undergraduate advisor

### Culture Track

1. Two years of Arabic, Hebrew, or Persian language (or the equivalent)
2. Seven additional courses (minimum of 21 credit hours) chosen with the consent of the undergraduate advisor

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

**Related Fields** Anthropology, Central Eurasian studies, classics, comparative literature, economics, fine arts, folklore, gender studies, geography, 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 four different tracks: Arabic, Persian, Islamic Studies, and Near Eastern Civilization.

**Requirements** 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+.

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. College of Arts and Sciences Topics

courses taught by NELC faculty can count toward the minor in Near Eastern Languages and Cultures.

- For the minor tracks in Arabic and Persian, 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 "Foreign Language." (See "Index.") 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.
- 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.

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, or Persian. 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 departmental honors advisors and the appropriate language supervisor for Arabic, or Persian. In N399 students will do advanced readings in Arabic or Persian 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 and Literature*

#### **A100-A150 Elementary Arabic I-II (4-4 cr.)**

Modern standard Arabic as in contemporary literature, newspapers, and radio. Grammar, reading, dictation, composition, penmanship, conversation, translation. I Sem., II Sem.

#### **A200-A250 Intermediate Arabic I-II (3-3 cr.)**

P: A100-A150. Grammar, reading, composition, conversation, and translation, using materials from medieval classical and modern literary Arabic. A200, I Sem.; A250, II Sem.

#### **A300-A350 Advanced Arabic I-II (3-3 cr.)**

P: Consent of department. Continuation of A200-A250. A300, I Sem.; A350, II Sem.

**A310 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.

**A320 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.

**N181 Qur'anic Arabic I (5 cr.)** Qur'anic Arabic I is an intensive introduction to the language of the Qur'an—its vocabulary and grammar. The course will also deal with related materials such as Qur'anic commentary, history and Hadith. It aims to teach students to read classical and Qur'anic Arabic through a foundation in syntax and morphology.

**N182 Qur'anic Arabic II (5 cr.)** P: N181. Qur'anic Arabic II is an intensive introduction to the language of the Qur'an—its vocabulary and grammar. The course will also deal with related materials such as Qur'anic commentary, history and Hadith. It aims to teach students to read classical and Qur'anic Arabic through a foundation in syntax and morphology.

**N223 Conversational Arabic (3 cr.)** Formal spoken or "polite" Arabic, with attention to divergences in Arabic dialects.

**N255 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.

**N310 Arabic Composition (3 cr.)** P: A100-A150. Readings from Arabic essayists and practice in writing of essays.

**N312 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.

#### **N324 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.

#### **N329 Arabic Phonetics and Phonology (3 cr.)**

Systematic study of Arabic phonetics/phonology utilizing scientific phonetics both practical and theoretical and the phonological processes of generative phonological theory.

**N393 Individual Readings in Classical Arabic (1-6 cr.)** Linguistic and literary analysis of selected classical Arabic texts.

**N394 Individual Readings in Modern Arabic (1-6 cr.)** Linguistic and literary analysis of selected modern Arabic texts.

**N398 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.

*Persian Language and Literature*

**P100-P150 Elementary Persian I-II (4-4 cr.)** Covers the basic grammar of modern Persian, along with conversation, composition, reading, and translation from selected materials dealing with Iranian civilization.

**P200-P250 Intermediate Persian I-II (3-3 cr.)** Continuation of the elementary Persian level. Review of grammatical structures and vocabulary, reading and translating short literary and expository texts.

**P360 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.

**P365 Introduction to Persian Literature in Translation (3 cr.) 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.

**N240 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.

**N380 Topics in Persian Literature in Translation (3 cr.) A & H, CSA** 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 once for credit with different topics.

**N385 Persian Mystical Literature in Translation (3 cr.) A & H, CSA** 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, and Religion*

**N204 Topics in Near Eastern Culture and Society (3 cr.) S & H** Analysis of selected Near Eastern cultural or social issues. Topics will vary. May be repeated with a different topic for a maximum of 6 credit hours.

**N205 Topics in Near Eastern Culture and Literature (3 cr.) A & H** Selected works of Near Eastern literature in relation to a single cultural problem or theme; for example, "Turning Point in the Religion of Israel"; or "History of the Modern Middle East." Topics will vary from semester to semester. May be repeated with a different topic for a maximum of 6 credit hours.

**N220 Muhammad: Life of the Prophet (3 cr.) S & H, CSA** 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.

**N245 Introduction to the Ancient Near East (3 cr.) S & H, CSA** 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.

**N265 Introduction to Islamic Civilization (3 cr.) S & H, CSA** 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.

**N305 Topics in Near Eastern Studies (3 cr.) CSA** Selected works of Near Eastern literature in relation to a singular cultural problem or theme. Topics will vary from semester to semester. May be repeated once with a different topic for a maximum of 6 credit hours.

**N340 Prophets, Poets, and Kings: Iranian Civilization (3 cr.) S & H, CSA** 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.

**N350 Modern Iran (3 cr.) S & H, CSA**

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.

**N365 Islamic Philosophy (3 cr.) 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.

**N370 Koranic Studies (3 cr.) A & H, CSA**

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.

**N397 Peoples and Cultures of the Middle East (3 cr.) S & H, CSA**

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 ANTH E397, CEUS U397, or NELC N397.

**N399 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.

**N492 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.

**N495 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.

**N499 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**

U161 Introductory Turkish I  
U162 Introductory Turkish II  
U261 Intermediate Turkish I  
U262 Intermediate Turkish II

**Comparative Literature**

C370 Arabic-Western Literary Relations (3 cr.)  
**A & H, CSA**

**Folklore and Ethnomusicology**

F307 Middle Eastern Folklore/Folklife/Folk Music (3 cr.) **A & H, CSA**

**Jewish Studies**

B100 Introduction to Biblical Hebrew I (4 cr.)  
B150 Introduction to Biblical Hebrew II (4 cr.)  
B200 Intermediate Biblical Hebrew I (3 cr.)  
B250 Intermediate Biblical Hebrew II (3 cr.)  
C240 Contemporary Israeli Culture (3 cr.)

**A & H, CSA**

H100-H150 Introduction to Elementary Hebrew I-II (4-4 cr.)

H190 Intensive Elementary Hebrew (6 cr.)  
H200-H250 Intermediate Hebrew I-II (3-3 cr.)  
H296 Foreign Study in Hebrew (1-6 cr.)  
H300-H350 Advanced Hebrew I-II (3-3 cr.)  
H365 Advanced Hebrew Conversation and Composition (3 cr.)

H375 Introductory Readings in Hebrew Literature (3 cr.) **A & H**

H396 Foreign Study in Hebrew (1-6 cr.)  
H497 Individual Readings in Hebrew (1-4 cr.)

L380 Modern Hebrew Literature in English (3 cr.) **A & H, CSA**

L385 Recent Hebrew Literature in English (3 cr.) **A & H, CSA**

L390 Biblical Themes in Modern Hebrew Literature (3 cr.) **A & H**

L395 S. Y. Agnon and the Jewish Experience (3 cr.) **A & H, CSA**

**Religious Studies**

R356 The Religion of Islam (3 cr.) **A & H, CSA**

# Philosophy

## Faculty

**Chairperson** Professor Mark Kaplan

**Oscar R. Ewing Professor** J. Michael Dunn

**Rudy Professor** Karen Hanson

**Professors** Marcia Baron, Myles Brand, J. Michael Dunn, Gary Ebbs, Karen Hanson, Mark Kaplan, David C. McCarty, Michael McRobbie, Michael Morgan, Timothy W. O'Connor, Frederick Schmitt, Paul Vincent Spade, Joan Weiner

**Associate Professor** Dennis M. Senchuk

**Assistant Professors** Kate Abramson, Adam Leite, Kevin Toh, Jonathan Weinberg

**Lecturers** Leah Savion, Sandra Shapshay

**Director of Undergraduate Studies** Sandra Shapshay, Sycamore Hall 015, (812) 855-4131

## Introduction

The curriculum of the Department of Philosophy (PHIL) is designed to contribute to the intellectual training of all undergraduates and to 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. All courses numbered P500 and above are open to qualified undergraduates with consent of instructor. Consult the University Graduate School Bulletin.

## 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.

**Requirements** Students must complete a minimum of 27 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 27 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:

- a. P401 Special Topics in the History of Philosophy;
- b. P470 Special Topics in Philosophy;
- c. P498 Senior Seminar;
- d. P499 Honors Thesis.

Students must 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 27 credit hours required for the major in philosophy, at least 13 must be completed in residence on the Bloomington campus. These 13 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 3.3, 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 three philosophy faculty members, including the thesis advisor and the director of undergraduate studies.

## Interdepartmental Major in Philosophy and Political Science

**Requirements** 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:
  - a. Ethics and value theory;
  - b. History of philosophy;
  - c. 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.
2. At least one 300- or 400-level course in each of the following areas:
  - a. American Politics (Y301-Y320, Y324-Y326, Y349, Y390, Y394)
  - b. Comparative Politics or International Relations (Y332-Y348, Y350-Y372, Y374-Y376, Y407)
3. At least two 300- or 400-level courses in political theory selected from Y379, and Y381 through 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 3.3 and minimum 3.5 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 P498 Senior Seminar and P499 Honors Thesis  
*or*  
POLS Y480 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 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.

**Interdepartmental Major in Philosophy and Religious Studies**

**Requirements** 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:
  - 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.

**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 in each of the following areas:
  - a. Western religious traditions;
  - b. Eastern religious traditions;
  - c. Critical issues in religious studies;
  - d. One (3 credit hour) 400-level religious studies course other than R495 and R499.

**Interdepartmental Honors Program in Philosophy and Religious Studies**

Students with a minimum grade point average of 3.3 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**

**Requirements** 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 two courses 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):

- a. Logic;
  - b. Ethics or value theory;
  - c. History of philosophy;
  - d. Epistemology and metaphysics;
  - e. Special topics.
4. At least two courses must be completed in one of the areas listed above.

## Course Descriptions

### *Introductory Courses*

**P100 Introduction to Philosophy (3 cr.) 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.

**P103 Gender, Sexuality, and Race in Philosophical Perspectives (3 cr.) 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.

**P105 Thinking and Reasoning (3 cr.) 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.

**P115 Pro and Con: Philosophical Analysis of Contemporary Social Controversies (3 cr.)**  
Uses philosophical tools to analyze and create arguments for/against a position. Uses PBS's *Pro and Con* as a source of examples of positions on current issues, such as affirmative action. Students learn critical thinking skills and are introduced to areas of philosophy such as ethics, metaphysics, and epistemology.

**P135 Introduction to Existentialism (3 cr.) A & H, TFR** 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.

**P140 Introduction to Ethics (3 cr.) 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.

**P145 Introduction to Social and Political Philosophy (3 cr.) 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.

**P150 Elementary Logic (3 cr.) 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.

**P240 Business and Morality (3 cr.) 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.

**P270 Introductory Topics in Philosophy (3 cr.) A & H** Topics vary. May be repeated with a different topic for a maximum of 6 credit hours.

### *Logic*

**P250 Introductory Symbolic Logic (3 cr.) N & M** Propositional logic and first-order quantificational logic. No credit for P150 if P250 taken first or concurrently. I Sem.

**P251 Intermediate Symbolic Logic (3 cr.) N & M** P: P250. Identity, definite descriptions, properties of formal theories, elementary set theory. II Sem.

**P350 Logic of Sets (3 cr.) P: P250.** Elementary operations on sets, relations, functions, orderings, introduction to ordinal and cardinal numbers.

**P352 Logic and Philosophy (3 cr.) 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 intensional 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.

**P201 Ancient Greek Philosophy (3 cr.) A & H, CSA R:** 3 credit hours of philosophy. Selective survey of ancient Greek philosophy (pre-Socratics, Plato, Aristotle). I Sem.

**P205 Modern Jewish Philosophy (3 cr.) A & H, CSA** 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.

**P211 Modern Philosophy: Descartes through Kant (3 cr.) 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.

**P301 Medieval Philosophy (3 cr.) A & H, CSA 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.

**P304 Nineteenth-Century Philosophy (3 cr.) 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.

**P305 Topics in the Philosophy of Judaism (3 cr.) A & H, CSA 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.

**P319 American Pragmatism (3 cr.) A & H P:** 3 credit hours of philosophy. Examination of the central doctrines of Peirce, James, Dewey, Mead.

**P328 Philosophies of India (3 cr.) A & H, CSA** 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.

**P330 Marxist Philosophy (3 cr.) 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.

**P335 Phenomenology and Existentialism (3 cr.) 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.

**P374 Early Chinese Philosophy (3 cr.) A & H, CSA** 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 not given for both PHIL P374 and EALC E374.

#### *Ethics and Value Theory*

**P242 Applied Ethics (3 cr.) 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.

**P246 Introduction to Philosophy and Art (3 cr.) 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.

**P332 Feminism and Value (3 cr.) 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.

**P340 Classics in Ethics (3 cr.) 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.

**P342 Problems of Ethics (3 cr.) 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).

**P343 Classics in Social and Political Philosophy (3 cr.) 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.

**P345 Problems in Social and Political Philosophy (3 cr.) A & H P:** 3 credit hours of philosophy. Problems of contemporary relevance: civil disobedience, participatory democracy, conscience and authority, law and morality.



**P346 Classics in Philosophy of Art (3 cr.) 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.

**P347 Contemporary Controversies in Philosophy of Art (3 cr.) 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.

**P375 Philosophy of Law (3 cr.) 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.

*Epistemology and Metaphysics*

**P310 Topics in Metaphysics (3 cr.) 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.

**P312 Topics in the Theory of Knowledge (3 cr.) A & H** P: 3 credit hours of philosophy. Topics such as various theories of perceptual realism, sense-datum theories, theories of appearing, phenomenalism, the nature of knowledge, the relation between knowledge and belief, relation between knowledge and evidence, and the problem of skepticism.

**P320 Philosophy and Language (3 cr.) A & H**  
P: 3 credit hours of philosophy. A study of selected philosophical problems concerning language and their bearing on traditional problems in philosophy.

**P360 Introduction to Philosophy of Mind (3 cr.) 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.

**P366 Philosophy of Action (3 cr.) 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*

**P370 Topics in Philosophy (3 cr.) 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.

**P371 Philosophy of Religion (3 cr.) 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.

**P401 History of Philosophy: Special Topics (3 cr.) 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.

**P470 Special Topics in Philosophy (3 cr.) 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.

**P490 Readings in Philosophy (1-3 cr.)**  
P: Consent of instructor. R: 9 credit hours philosophy. Intensive study of selected authors, topics, and problems.

**P497 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*

**P498 Senior Seminar (4 cr.)** P: Approval of departmental honors committee. Special topics.

**P499 Honors Thesis (3-6 cr.)** P: Approval of departmental honors committee.

# Physics

## Faculty

**Chairperson** Professor James Musser

**Professors** Andrew Bacher, David Baxter, John Challifour, Rob de Ruyter, Alexander Dzierba, Herbert Fertig, James Glazier, Steve Gottlieb, Charles Horowitz, Larry Kesmodel, Alan Kostelecky, S. Y. Lee, J. Timothy Londergan, Hans-Otto Meyer, James Musser, Hermann Nann, Harold Ogren, Catherine Olmer, Roger Pynn, William Schaich, Brian Serot, William Snow, Paul Sokol, Richard Van Kooten, Steven Vigdor, Scott Wissink, Andrzej Zieminski

**Associate Professors** Mike Berger, John Carini, Harold Evans, Adam Szczepaniak

**Assistant Professors** John Beggs, Dobrin Bossev, Manuel Calderón, Mark Hess, Chen-Yu Liu, Mark Messier, Sima Setayeshgar, Matthew Shepherd, Rex Tayloe, Jon Urheim

**Academic Advising** Swain Hall West 129, (812) 855-3973

## 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.

### Major in Physics—B.A.

**Requirements** To complete the concentration requirements, students must complete the following:

1. At least 25 credit hours in physics (graded C- or higher) and a minimum GPA in the major of 2.000. These 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, P332 or P460, and P340 are recommended.

### Major in Physics—B.S.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as B.A. degree.
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, major fulfills requirement.

Culture courses are not required, but two courses are recommended as electives or to satisfy the distribution requirement.

Students must also complete the major requirements for Program I or Program II listed below.

## Requirements

### Program I: Physics

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 P221-222 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. Nine 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 requirements and procedures listed under "General Requirements for Bachelor's Degrees."

**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 M344. Physics P321 covers the material of M312. P321 is recommended although M312 can be substituted with permission. Students should also consider M301 (or M303), M415, M441 and M442.
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.

## Requirements

### Program II: Applied Physics

Students must complete the following course work with a minimum grade of C- in each course and a minimum grade point average of C (2.0) 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 both P400 and P451.

Students are strongly encouraged to take the honors sections of P221-P222. General Physics P201-202 may be substituted for P221-P222 only with permission of the physics advisor.

2. At least 20 credit hours of mathematics, including M211-M212, M311-M312 (Physics P321 may be substituted for Mathematics M312), and M343 or honors equivalents.
3. At least 4 credit hours in computer science, including A201 or C211 or honors equivalents.
4. Nine 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.
5. Two credit hours of internships with industry or at a national laboratory, S406. These internships would normally take place during the summers between the sophomore and junior year (1 credit) and between the junior and senior year (1 credit). Placement will be organized through the department in cooperation with the student and the student's faculty mentor.
6. One to four credit hours of Senior thesis, S406.

**Recommendations** The following courses are recommended:

1. Physics P314, P321, P332, P340, P410-P411, P442, P453, P454 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), M344, M415, M441-M442.

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.

## Minor in Physics

**Requirements** 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 P300, P301, P453, and P454.
3. A laboratory course, to be chosen from P309, P451, P452, and P460.
4. Another 3 credit course above the level of P301.

## Departmental Honors Program

The honors program is designed to provide 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 (S406) before the end of the senior year. An oral presentation describing the work would also be expected. For more detailed guidelines, see "Honors" section of the departmental Web pages.

In addition to fulfilling the requirements associated with the B.S. degree (see above), 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 3.5 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.

**P101 Physics in the Modern World (4 cr.)**

**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.

**P105 Basic Physics of Sound (3 cr.) N & M**

The physical principles involved in the description, generation, and reproduction of sound. Topics discussed include physics of vibrations and waves, Fourier decomposition of complex wave forms, harmonic spectra, propagation of sound waves in air, standing waves and resonance, sound loudness and decibels, room acoustics, and sound recording and reproduction, including digital sound.

**P108 Intermediate Acoustics Laboratory (2 cr.)**

**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 analogue, digital electronic circuits, amplifiers, oscillators, band pass filters, and digital sound. Provides instrumentation experience, oscilloscopes, function generators, spectrum analyses. Credit not given for both P106 and P108.

**P109 Speech and Hearing 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. Topics are meant to complement SPHS S302, offered in Speech and Hearing Sciences. Credit given for only one of P106, P108, or P109.

**P110 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 the following: P110 or P120.

**P111 Physics of Extraterrestrial Life and Death (3 cr.) N & M, TFR**

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 death of dinosaurs, exploration of Mars and Europa. Discovery of extra solar planets. Radio searches for extraterrestrial intelligence.

**P114 Understanding the Invisible Universe (3 cr.) N & M**

An exploration of some of the biggest ideas in physics with an emphasis on their historical development, experimental verification, and impact on society as a whole. Concentrates on the development of our picture

of the most fundamental building blocks of the universe and the forces that govern them.

**P120 Energy and Technology (3 cr.) N & M, TFR**

Provides physical basis for understanding 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 the following: P120 or P110.

**P125 Energy in the Twenty-first Century (3 cr.) N & M, TFR**

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.

**P150 How Things Work (3 cr.) N & M, TFR**

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.

**P151 Twenty-first-century Physics (3 cr.)**

**N & M, TFR** 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.

**Q202 Physical Science: Elementary Teachers (3 cr.)**

**P:** Q200. Fulfills the physical science requirement for elementary education majors. Introduction to topics such as motion, forces, energy, states of matter, electricity, magnetism, and light. Two lectures and one laboratory each week. Enrollment is limited to majors in the School of Education.

**P211 Global Energy Problems: Technological Options and Policy Choices (3 cr.) 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 P310, the courses listed here are not recommended for physics majors.

**P201 General Physics I (5 cr.) 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.

**P202 General Physics II (5 cr.) 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.

**P300 General Physics III (3 cr.) N & M**

P: P201-P202 or equivalent. Special relativity; quantum physics; atomic, condensed matter, nuclear, and particle physics. Applications of modern physics to related scientific disciplines, including the life sciences. Three lectures each week. Credit may be obtained only for either P300 or P301. I Sem.

**P302 Elementary Electronics (2 cr.)**

P: One course in physics; or junior standing and consent of instructor. Integrated lecture and laboratory course. Characteristics of semiconductor circuit elements, amplifier circuits, power supplies, operational amplifiers, digital and switching circuits, oscilloscopes, and other laboratory test equipment. I Sem., II Sem.

**P309 Modern Physics Laboratory (2 cr.) P or C:**

P301. Fundamental experiments in physics with emphasis on modern physics. The course aims to develop basic laboratory skills and data analysis techniques.

**P310 Environmental Physics (3 cr.) 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.

*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.

**P221 Physics I (5 cr.) 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 two-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.

**P222 Physics II (5 cr.) 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 two-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.

**P301 Physics III (3 cr.) 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.

**P309 Modern Physics Laboratory (2 cr.)**

P or C: P301. Fundamental experiments in physics with emphasis on modern physics. The course aims to develop basic laboratory skills and data analysis techniques.

**P310 Environmental Physics (3 cr.) 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.

**P314 Introduction to Medical Physics (3 cr.)**

P: P202 or equivalent, or consent of the instructor. Physics topics relevant to biological effects on the human body: sound and ultrasound, optics, radiation effects, radiation and medical imaging techniques.

**P321 Techniques in Theoretical Physics (3 cr.)**

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.

**P331 Theory of Electricity and Magnetism I**

(3 cr.) 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.

**P332 Theory of Electricity and Magnetism II**

(3 cr.) 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.

**P340 Thermodynamics and Statistical Mechanics (3 cr.)** N & M P: P202 or P222; MATH M311 concurrently. Intermediate course, covering three laws of thermodynamics, classical and quantum statistical mechanics, and some applications.

**P350 Applied Physics Instrumentation Laboratory (3 cr.)** 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.

**P400 Analog and Digital Electronics (3 cr.)** 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).

**S405 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.

**S406 Research and Internship Projects (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. Alternatively, internship in industry or national laboratory, arranged between the student, the student's faculty mentor, and internship supervisor. May be repeated with a different topic for a maximum of 6 credit hours.

**P408 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.

**P410 Computing Applications in Physics (3 cr.)** N & M P: P332 or equivalent and CSCI C301 or equivalent; 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.

**P411 Computing Applications in Physics II (3 cr.)** 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.

**P425 Introductory Biophysics (3 cr.)** 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.

**P441-P442 Analytical Mechanics I-II (3-3 cr.)** 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. P441, I Sem.; P442, II Sem.

**P451 Experiments in Modern Physics I (3 cr.)** P: P301 and P309, or equivalent. R: P453-P454 concurrently. P452 can be taken independently of P451. Advanced laboratory for senior physics majors. Experimental investigations and selected topics in nuclear, atomic, and solid state physics. P451, I Sem.; P452, II Sem.

**P453 Introduction to Quantum Mechanics (3 cr.)** 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. I Sem.

**P454 Modern Physics (4 cr.)** 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. II Sem.

**P455 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.

**P456 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.

**P460 Modern Optics (3 cr.)** 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.

**P470 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.



## Political Science

### Faculty

**Chairperson** Professor Jeffrey C. Isaac

**Rudy Professors** Edward G. Carmines, Jeffrey C. Isaac

**Arthur F. Bentley Professor** Elinor Ostrom

**Warner O. Chapman Professor** Edward G. Carmines

**Donald A. Rogers Professor** William Thompson

**Rabindranath Tagore Professor of Indian Cultures and Civilizations** Sumit Ganguly

**Professors** William Bianco, Jack Bielasiak, Norman Furniss, Russell Hanson, Jeffrey Hart, Marjorie Hershey, Gregory Kasza, Michael McGinnis, Karen Rasler, Jean C. Robinson, Robert Rohrschneider, William Scheurman, Gerald Wright, Jr.

**Associate Professors** Yvette Alex-Assensoh, Judith Failer, Lawrence Hanks, Dina Spechler

**Assistant Professors** Eileen Braman, Aurelian Craiutu, Michael Ensley, Lauren Morris MacLean, Brian Rathbun, Armando Razo, Abdulkader Sinno, Beate Sissenich, Regina Smyth

**Adjunct Faculty** Jeannine Bell (Law), Gardner Bovingdon (Central Eurasian Studies), William Fierman (Central Eurasian Studies), Luis Fuentes-Rohwer (Law), Scott Kennedy (East Asian Languages and Cultures), Eugene McGregor (School of Public and Environmental Affairs), Patrick O'Meara (African Studies), James Perry (School of Public and Environmental Affairs), Evan Ringquist (School of Public and Environmental Affairs), Charles Wise (School of Public and Environmental Affairs), Lois Wise (School of Public and Environmental Affairs)

**Senior Lecturer** Christine Barbour

**Academic Advising** Marsha Franklin, Joelene Bergonzi; Woodburn Hall 210, (812) 855-6308

### 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, and one interdepartmental minor: political science and economics.

Requirements for these options are listed below.

## Major in Political Science

**Requirements** Students must complete 30 credit hours in political science, including:

1. Y205. It is strongly recommended that Y205 be taken in the first 9 credit hours of course work in Political Science.
2. At least 15 credit hours of 300- and 400-level political science courses, excluding Y480, Y481, Y484, Y496, and Y499.
  - a. At least one course in American politics or public policy, law, and administration (Y332-Y348, Y350-Y372, Y324-Y326, Y349, Y373, Y394)
  - b. At least one course in comparative politics or international relations (Y332-Y372, Y374-Y376, Y407)
  - c. 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 political science and economics 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. Also, students in the Liberal Arts and Management Program may substitute approved sections of L316 (LAMP Junior Seminar) for E370.

### Requirements

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

1. Mathematics requirements: Finite Mathematics M118 and Calculus M119 or M211 (These courses do not count toward the 42 credit hours required for the major.)

2. Economics E201, E202, E321, and at least three additional economics courses. Two of these three courses must be numbered above E321. The following courses cannot be used to meet this requirement: E175, E370, E496, Y398.

At least 18 credit hours in political science to include the following:

1. One course chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405
2. 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.)
3. Statistics requirement: ECON E370 or POLS Y395

### Special Considerations

1. Students meeting requirements 1-3 above with a total of 39 credit hours will be allowed to use 3 credit hours toward the major from preapproved sections of COLL E104 (Topics) courses. A list of preapproved sections of COLL E104 (Topics) 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.

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

## Interdepartmental Major in Political Science and Philosophy

**Requirements** Students must take a minimum of 42 credit hours, with a minimum of 18 credit hours in each department. 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 two 100-level courses counting toward the minimum.
2. At least one 300- or 400-level course in each of the following areas:
  - a. American Politics (Y301-Y320, Y324-Y326, Y349, Y373, Y394)
  - b. Comparative Politics or International Relations (Y332-Y348, Y350-Y372, Y374-Y376, Y407)



3. At least two 300- or 400-level courses in political theory selected from Y379, and 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:
  - a. Ethics and value theory
  - b. History of philosophy
  - c. Epistemology and metaphysics
3. One of the following logic courses: P150 or P250

### Interdepartmental Honors Program in Political Science and Philosophy

Students with a minimum cumulative grade point average of 3.3 and minimum 3.5 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 Y480 Colloquium and Y499 Honors Thesis *or*  
 PHIL P498 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

**Requirements** Students must complete the following:

1. A total of 18 credit hours in Political Science, of which at least 9 shall be at the 300 or 400 level
2. Y205. It is strongly recommended that Y205 be taken in the first 9 hours of coursework in political science.
3. At least two courses in one of the following blocks of courses and at least one course from one of the other two blocks:
  - a. American politics, public policy, law, and administration (Y301-Y320, Y324-Y326, Y349, Y373, Y394)
  - b. Comparative politics or international relations (Y332-Y372, Y374-Y376, Y407)

- c. Political theory and methodology (Y379, Y381 through Y388, Y395, Y405, Y406)
3. Only three hours of credit in Y481 may be counted toward the minor.
  4. At least 9 credit hours of the above courses must be taken in residence at the Bloomington campus.

### 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.

1. Economics E201, E202, and one additional economics course (E175, E370, E496, and Y398 cannot be used to meet this requirement.)
2. One course chosen from Political Science Y204, Y205, Y210, Y303, Y394, or Y405
3. Another 6 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 for credit for a maximum of 9 credit hours total of those two courses. No other courses may be repeated for credit.)

**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 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:
  - a. 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.
  - b. 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 strongly recommended 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**

#### **Y100 American Political Controversies (3 cr.)**

**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.

#### **Y101 Principles of Political Science (3 cr.) 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.

#### **Y102 International Political Controversies (3 cr.) 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.

#### **Y103 Introduction to American Politics (3 cr.)**

**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.

#### **Y105 Introduction to Political Theory (3 cr.) 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.

#### **Y107 Introduction to Comparative Politics (3 cr.) 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.

**Y109 Introduction to International Politics (3 cr.) 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.

**Y200 Contemporary Political Problems (3 cr.) S & H** Extensive analysis of selected contemporary political problems. Topics vary from semester to semester and are listed in the online *Schedule of Classes*. May be repeated once for credit. I Sem., II Sem., SS.

**Y202 Politics and Citizenship in the Information Age (3 cr.) 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.

**Y204 Institutional Analysis and Governance (3 cr.) 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.

**Y205 Analyzing Politics (3 cr.) 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.

**Y210 Honors Seminar (3 cr.) 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.

**Y211 Introduction to Law (3 cr.) 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.

**Y212 Making Democracy Work (3 cr.) 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.

**Y243 Governance and Corruption across the World (3 cr.) 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 corruptions. Case studies will vary and may be drawn from Asia, Latin America, Africa, Central and Eastern Europe, and North America.

**Y249 Religion, Politics, and Public Policy (3 cr.) 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.

**Y280 Political Science Laboratory (1 cr.)** Offered concurrently with Y205 or a 300-level political science course. Information on topic and course affiliation available in the online *Schedule of Classes*. May be repeated twice for credit.

**Y281 Modern Political Ideologies (3 cr.) 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.

**Y301 Political Parties and Interest Groups (3 cr.) 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.

**Y302 Public Bureaucracy in Modern Society (3 cr.) S & H** Examines public bureaucracy, with special emphasis on the United States, as a political phenomenon engaging in policy making and in the definition of the terms of policy issues. Considers the role of bureaucratic instruments in promoting social change and in responding to it.

**Y303 Formation of Public Policy in the United States (3 cr.) S & H** Processes and institutions involved in the formation of public policy in American society.

**Y304 Constitutional Law (3 cr.) S & H** American political powers and structures; selected Supreme Court decisions interpreting American constitutional system.

**Y305 Constitutional Rights and Liberties**

**(3 cr.) S & H** Extent and limits of constitutional rights; selected Supreme Court decisions interpreting American constitutional system.

**Y306 State Politics in the United States (3 cr.)**

**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.

**Y307 Indiana State Government and Politics**

**(3 cr.) S & H** Constitutional foundations, political development, organizational and functional process and growth, and current problems of Indiana government. Readings, case studies, problems.

**Y308 Urban Politics (3 cr.) 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.

**Y311 Democracy and National Security**

**(3 cr.) 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.

**Y313 Environmental Policy (3 cr.) 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.

**Y315 Political Psychology and Socialization**

**(3 cr.) 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.

**Y317 Voting, Elections, and Public Opinion**

**(3 cr.) 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. Credit not given for both Y316 and Y317.

**Y318 The American Presidency (3 cr.) 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.

**Y319 The United States Congress (3 cr.)**

**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.

**Y320 Judicial Politics (3 cr.) 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.

**Y324 Women and Politics (3 cr.) S & H**

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 once for credit with a different topic.

**Y325 African American Politics (3 cr.) S & H,**

**CSA** 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.

**Y326 American Social Welfare Policy (3 cr.)**

**S & H** Values and social welfare policy. Development, current status, politics, and proposals for reform of social security and private pensions, income maintenance policy, health care, and housing. The future of the welfare state.

**Y329 Racial and Ethnic Politics in the United States (3 cr.) S & H, CSA**

A survey of minority group politics in the United States. The course examines the socio-economic 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.

**Y332 Russian Politics (3 cr.) S & H, CSA** 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.

**Y333 Chinese Politics (3 cr.) S & H, CSA** 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.

**Y334 Japanese Politics (3 cr.) S & H, CSA** 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.

**Y335 Western European Politics (3 cr.) S & H, CSB** Development, structure, and functioning of political systems, primarily in France, Italy, and Germany. Political dynamics of European integration.

**Y337 Latin American Politics (3 cr.) S & H, CSA** 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.

**Y338 African Politics (3 cr.) S & H, CSA** 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.

**Y339 Middle Eastern Politics (3 cr.) S & H, CSA** 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.

**Y340 East European Politics (3 cr.) S & H, CSA** 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.

**Y342 Topics on the Regional Politics of Africa (3 cr.) S & H** 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.

**Y343 The Politics of International Development (3 cr.) 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.

**Y345 Comparative Revolutions (3 cr.) 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.

**Y346 Politics in the Developing World (3 cr.) 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.

**Y347 German Politics (3 cr.) S & H, CSB** 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.

**Y348 The Politics of Genocide (3 cr.) S & H, CSA** 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.

**Y349 Comparative Public Policy (3 cr.) 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.

**Y350 Politics of the European Union (3 cr.)**

**S & H** 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.

**Y351 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.

**Y352 The Holocaust and Politics (3 cr.)**

**S & H, CSA** 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 post-war world.

**Y353 The Politics of Gender and Sexuality (3 cr.) S & H, CSA**

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.

**Y356 South Asian Politics (3 cr.) S & H, CSA**

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.

**Y360 United States Foreign Policy (3 cr.)**

**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.

**Y361 Contemporary Theories of International Politics (3 cr.) 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.

**Y362 International Politics of Selected Regions (3 cr.) 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.

**Y363 Comparative Foreign Policy (3 cr.)**

**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.

**Y364 International Organization: Political and Security Aspects (3 cr.) 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.

**Y366 Current Foreign Policy Problems (3 cr.) S & H**

Critique of foreign policy issues: communism, containment, imperialism, and others. Research papers and classroom presentation for critical discussion.

**Y367 International Law (3 cr.) 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.

**Y368 Russian and Soviet Foreign Policy (3 cr.) S & H R:**

Y332. Behavior of Russia and USSR 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.

**Y372 The Analysis of International Politics (3 cr.) 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.

**Y375 War and International Conflict (3 cr.)**

**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.

**Y376 International Political Economy (3 cr.)**

**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.

**Y379 Ethics and Public Policy (3 cr.) 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.

**Y381 Classical Political Thought (3 cr.) A & H, CSA** An exposition and critical analysis of the major political philosophers and philosophical schools from Plato to Machiavelli.

**Y382 Modern Political Thought (3 cr.) A & H, CSB** An exposition and critical analysis of the major political philosophers and philosophical schools from Machiavelli to the present.

**Y383 Foundations of American Political Thought (3 cr.) A & H** Explores the evolution of American political ideas from colonization through ratification of the Constitution and its implementation.

**Y384 Developments in American Political Thought (3 cr.) A & H** Explores the evolution of American political ideas under the Constitution of the United States, and its promises and problems.

**Y386 African American Political Thought (3 cr.) A & H, CSA** 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.

**Y388 Marxist Theory (3 cr.) A & H** Origin, content, and development of Marxist system of thought, with particular reference to philosophical and political aspects of Russian Marxism.

**Y394 Public Policy Analysis (3 cr.) 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.

**Y395 Quantitative Political Analysis (3 cr.)**

**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 the following: POLS Y395, CJUS K300, SOC S371, ECON E370 or S370, MATH/PSY K300, K305, or K310, ANTH A306, or SPEA K300.

**Y401 Topics in Political Science (3 cr.)**

**S & H** Topic varies with the instructor and year; consult the online *Schedule of Classes* for current information. May be repeated once for credit.

**Y405 Models and Theories of Political Decision Making (3 cr.) 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.

**Y406 Problems in Political Philosophy (3 cr.)**

**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.

**Y407 Problems in Comparative Politics (3 cr.)**

**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.

**Y480 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.

**Y481 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.

**Y484 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.

**Y490 Senior Seminar in Political Science (3 cr.)** P: Senior standing or consent of department. Research paper required. Seminar sessions arranged to present papers for evaluation and criticism by fellow students. Subject matter varies by semester.

**Y496 Foreign Study in Political Science (3-8 cr.; once only)** 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.

**Y499 Honors Thesis (1-12 cr.)** P: Approval of instructor and departmental honors director. May be repeated for a maximum of 12 credit hours.

## Poynter Center

### Faculty

**Director** Professor Richard B. Miller  
(Religious Studies)

### Introduction

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 and to foster the examination and discussion of ethical issues. 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; and teaching courses for undergraduates, graduate students, and external audiences.

Further information is available from the Poynter Center office, 618 E. Third Street, Bloomington, IN 47405, (812) 855-0261, [poynter@indiana.edu](mailto:poynter@indiana.edu).



# Psychological and Brain Sciences

## Faculty

**Chairperson** Chancellor's Professor Linda B. Smith

**Luther Dana Waterman Professor** Richard Shiffrin

**Jack and Linda Gill Chair** J. Michael Walker

**Rudy Professor** James Townsend

**Chancellor's Professors** James Craig, Robert Goldstone, Robert Nosofsky, David Pisoni, George Rebec, Steven Sherman, Linda B. Smith

**Professor and Distinguished Scholar** William Estes

**Professors** Jeffrey Alberts, John Bates, Geoffrey Bingham, Sharon Brehm, Jerome Busemeyer, William Estes, Joseph Farley, Peter Finn, Preston Garraghty, S. Lee Guth, Julia Heiman, Amy Holtzworth-Munroe, John Kruschke, Dale Sengelaub, Elliott Smith, William Timberlake, Peter Todd, Richard Viken, Stanley Wasserman, Meredith West

**Associate Professors** Thomas Busey, William Hetrick, Edward Hirt, Susan Jones, Brian O'Donnell, Olaf Sporns, Julie Stout

**Assistant Professors** Brian D'Onofrio, Jason Gold, Thomas James, Sharlene Newman, Anne Prieto, Zakary Tormala, Cara Wellman, Chen Yu

**Lecturers** Cynthia Hoffman, Alan Roberts, Scott Thompson, Irene Vlachos-Weber, Robert Weiskopf

**Academic Advising** James E. Brown, Jody Ferguson, Cindy Moore, Psychology 229, (812) 855-2151

## Introduction

The Department of Psychological and Brain Sciences (PSY) offers a major in psychology leading to the B.A. or B.S. degree and provides course work for undergraduates who wish to satisfy distribution 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.

## 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.

**Requirements** Students must complete the following courses in psychology:

- One of the following entry-level sequences:
  - P151 (3 cr.), P152 (3 cr.), P199 (1 cr.) and P211 (2 cr.) or
  - P106 (4 cr.), and P199 (1 cr.) or
  - P101 (3 cr.), P102, (3 cr.), P199 (1 cr.), and P211 (2 cr.)
- PSY K300, K310, or a substitute approved by the undergraduate advisor.
- Area A: 6 credit hours from P303, P325, P326, P327, P329, P330, P335, P340, P349, P350, P402 (depending on topic), P405, P407, P410, P411, P413, P416, P417, P423, P438, P444, P459
- Area B: 6 credit hours from P315, P316, P319, P320, P323, P324, P336, P375, P402 (depending on topic), P425, P430, P434, P442, P446, P447, P448
- Advanced laboratory: one from P404, P421, P424, P426, P427, P428, P429, P435, P436, P493-P494, P495, or P499. (An additional 400-level course may be substituted for this requirement by permission of the undergraduate advisor.)
- One additional course in psychology numbered 300 or above.
- Mathematics M118, or M119, or M120 or a 200-level mathematics course, or the equivalent with a C- or higher.
- A one-semester course in biology completed with a C- or higher
- One additional course completed with a C- or higher selected from one of the following departments: Anthropology (B200 Bioanthropology only), 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 shall consist of 12 credit hours at any level or of three courses above the 100 level, taken in one department. The following disciplines are frequently chosen as outside concentrations by psychology majors: animal behavior, anthropology, biology, business, chemistry, cognitive science, computer science, criminal justice, history and philosophy of science, 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** Majors should take at least one course in chemistry or physics, one in mathematics, and one in biology (see requirements above). Students should have a sound foundation in mathematics for study in statistics, measurement, and theoretical methods. Those planning graduate work in psychology should include P459. Consult the undergraduate advisors or the Department of Psychological and Brain Sciences home page ([www.indiana.edu/~psych](http://www.indiana.edu/~psych)) for listings of courses and model curricula useful for advanced work in various areas of psychology or for particular vocations.

We recommend that students take P199 Planning Your Psychology Career in the spring of 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.

### Admission to the B.S. in Psychology Program

To gain admission to the B.S. program, a student must be admitted into the major. To continue and graduate with a B.S. in psychology, a student must maintain a minimum 3.0 (B) grade point average in psychology courses.

**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 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.

**Requirements** Students must complete the following fundamental skills and distribution requirements:

1. Writing, same as B.A. degree

2. Mathematics, two courses from the following: M118, M119, M120, 200 level or higher (not including K310)
3. Computer science courses (or a demonstration of skills with the approval of the Department of Psychological and Brain Sciences). This requirement may also be satisfied by the completion of at least 5.5 credit hours from the following list of courses: CSCI A111, A112, A113, A114, A201, or A202.
4. Foreign language, 3 credit hours at or above the second-year level (or equivalent proficiency) in one language.
5. One Topics course (COLL E103, E104, or approved equivalents)
6. Arts and Humanities, three courses (could include COLL E103 or equivalent from number 5 above)
7. Social and Historical Studies, three courses, exclusive of psychology courses (could include E104 or equivalent from number 5 above)
8. Natural and mathematical sciences: must include Biology L112/L113 (6 cr.) 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 C101/C121-C102/C122 (or C117, C341 or R340) or
  - d. One additional course in biology (L111, L211, L311, L312, L473, or L479) and one other course from the mathematics, physics, and chemistry courses listed above.

**Major Requirements** Students must complete the following courses in psychology with a minimum grade point average of 3.0 (B) to continue and graduate with a B.S. in psychology:

1. One of the following entry-level sequences:
  - a. P151 (3 cr.), P152 (3 cr.), P199 (1 cr.) and P211 (2 cr.) or
  - b. P106 (4 cr.), and P199 (1 cr.) or
  - c. P101 (3 cr.), P102 (3 cr.), P199 (1 cr.), and P211 (2 cr.)
2. K310 or other approved course
3. Area A: 6 credit hours from P303, P325, P326, P327, P329, P330, P335, P340, P349, P350, P402 (depending on topic), P405, P407, P410, P411, P413, P416, P417, P423, P438, P444, P459.
4. Area B: 6 credit hours from P315, P316, P319, P320, P323, P324, P336, P375, P402 (depending on topic), P425, P430, P434, P442, P446, P447, P448

5. P402 or a substitute approved by the department (does not count toward Area A or Area B)
6. Two advanced laboratories from P421, P424, P426, P427, P428, P429, P435, P436 (P493-P494, P495, P499, or an approved lab in another science at the 300 level or above may be substituted for one.)

**Required Outside Concentration** A single outside concentration is required of all majors in psychology. The outside concentration shall consist of 12 credit hours at any level or of three courses above the 100 level, taken in one department. The following disciplines are frequently chosen as outside concentrations by psychology majors: animal behavior, anthropology, biology, business, chemistry, cognitive science, computer science, criminal justice, history and philosophy of science, 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.)

**Recommendations** Students should consult with the psychological and brain sciences undergraduate advisor for additional information on the above requirements. See also the departmental information available at [www.indiana.edu/~psych](http://www.indiana.edu/~psych).

We recommend that students take P199 Planning Your Psychology Career in the spring of their sophomore year. This course can be used for career guidance and provides students with invaluable information at an appropriate time.

## Interdepartmental Major in Psychology and Speech and Hearing Sciences

**Requirements** 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.

### Psychology

1. One of the following entry-level sequences:
  - a. P151 (3 cr.), P152 (3 cr.), P199 (1 cr.) and P211 (2 cr.) or
  - b. P106 (4 cr.), and P199 (1 cr.) or
  - c. P101 (3 cr.), P102 (3 cr.), P199 (1 cr.), and P211 (2 cr.)
2. PSY K300 or K310 or a substitute approved by the undergraduate advisor

3. Area A: 3 credit hours from P303, P325, P326, P327, P329, P330, P335, P340, P349, P350, P402 (depending on topic), P405, P407, P410, P411, P413, P416, P417, P423, P438, P444, P459
4. Area B: 3 credit hours from P315, P316, P319, P320, P323, P324, P336, P375, P402 (depending on topic), P425, P430, P434, P442, P446, P447, P448
5. Advanced laboratory: one from P421, P424, P426, P427, P428, 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
7. At least three of the required 300-level psychology courses must be designated as "major section only."

### Speech and Hearing Sciences

1. S111
2. S275, S319, S333
3. S201 or S375
4. At least three courses from S307, S378, S420, S436, S444, S474, 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
2. A one-semester course in biology
3. Linguistics L103 or L303

## Minor in Psychology

**Requirements** Students must complete 15 College of Arts and Sciences credit hours including:

1. P101 and P102; or P151 and P152; or P106.
2. Psychology K300 or K310 or another approved College statistics course; or P211.
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 with a minimum grade of C-.

All courses must be completed with a C- or higher, and minor courses must average a minimum of 2.0 overall to earn a minor.

Students whose major department requires a minor should consult with their advisor about additional or other requirements.

## Neuroscience Certificate

**Purpose** A student may earn an area 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.

**Requirements** Students must complete a minimum total of 9 courses (3 required basic courses, 3 advanced neuroscience, 2 labs, 1 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 required courses.

*Required Basic Courses (all required):*

- PSY P101 Introductory Psychology (3 cr.) or P151 Introduction to Psychology I for Majors (3 cr.) or P106 General Psychology, Honors (4 cr.)
- PSY P326 Behavioral Neuroscience (3 cr.)
- Biology L112 Introduction to Biology: Biological Mechanisms (3 cr.) or H112 Integrated Freshman Learning Experience II (5 cr.)

*Advanced Neuroscience Courses (any three):*

- PSY P407 Drugs and the Nervous System (3 cr.)
- PSY P410 Development of the Brain and Behavior (3 cr.)
- PSY P411 Neural Bases of Learning and Memory (3 cr.)
- PSY P423 Human Neuropsychology (3 cr.)
- PSY P444 Developmental Psychobiology (3 cr.)
- PSY P466 Molecular and Cellular Neurobiology (3 cr.)
- PSY P457 Topics in Psychology, seminars as appropriate (1-3 cr.)
- Biology L410 Topical Issues in Biology, seminars as appropriate (3-5 cr.)
- Cognitive Science Q301 Brain and Cognition (3 cr.)

*Lab Courses (any two):*

- PSY P426 Laboratory in Behavioral Neuroscience (3 cr.)
- PSY P493 Supervised Research (2-3 cr.), in approved laboratory
- PSY P494 Supervised Research II (2-3 cr.), in approved laboratory
- PSY P499 Honors Thesis Research (1-12 cr.), in approved laboratory
- Biology L490 Individual Study (1-12 cr.), in approved laboratory
- Chemistry C409 Chemical Research (1-5 cr.), in approved laboratory
- Physics S406 Research and Internship Projects (1-6 cr.), in approved laboratory.

*Elective Courses (any one):*

Note that some of the elective courses have prerequisites that are not included in the *Required Basic Courses* listed above. Those prerequisites *not included in the certificate* are indicated in parentheses. However, a student could choose a course that does not have a prerequisite other than those listed for the certificate.

*Psychology*

- P303 Health Psychology (3 cr.)
- P329 Sensation and Perception (3 cr.)

*Biology*

- L111 Introduction to Biology: Evolution and Diversity (3 cr.)
- L211 Molecular Biology (3 cr.)
- L311 Genetics (3 cr.) (P: L211)
- L312 Cell Biology (3 cr.) (P: L211)
- L317 Developmental Biology (3-4 cr.) (P: L211, L311)
- L321 Principles of Immunology (3 cr.) (P: L211; C101 or C117)
- L331 Introduction to Human Genetics (3 cr.) (P: a course in genetics)
- P451 Integrative Human Physiology (4 cr.)
- Z466 Endocrinology (3-5 cr.) (P: L211)

*Chemistry*

- C101-C102 Elementary Chemistry I and II (3-5 cr. each), C103 Introduction to Chemical Principles (5 cr.), or
- C117-C118 Principles of Chemistry and Biochemistry I and II (5-5 cr.)
- C121-C122 Elementary Chemistry Lab I and II (2-2cr.) or C125-126 Experimental Chemistry I and II (2-2 cr.)
- C341 Organic Chemistry I Lectures (3 cr.) and C343 Organic Chemistry Laboratory I (1-2 cr.) (P: C117 or C106)
- C342 Organic Chemistry II Lectures (3 cr.) (P: C341) and C344 Organic Chemistry Laboratory II (1-2 cr.) (P: C343)
- C483 Biological Chemistry (3 cr.) (P: R340 or C342)
- C485 Biosynthesis and Physiology (3 cr.) (P: C484)

*Medical Sciences*

- P416 Comparative Animal Physiology (3 cr.)
- A464 Human Tissue Biology (4 cr.)
- P417 Neurobiology (3 cr.) (P: One introductory biology course and Chemistry C118. R: One course in cellular physiology or P416.)

## Departmental Honors Program

The department offers several special courses for outstanding students. P106 is an intensive introductory course combining P151 and P152. 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 honors degree, the student must complete P499, including an independent laboratory research project, and complete a strong minor.

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 in the honors program are given preference in assignments of research and teaching assistantships. 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 apply financial aid to program fees. For information about study abroad, contact the Office of Overseas Study, Franklin Hall 303, (812) 855-9304 ([www.indiana.edu/~overseas](http://www.indiana.edu/~overseas)).

## Course Descriptions

### P101 Introductory Psychology I (3 cr.)

**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.

### P102 Introductory Psychology II (3 cr.)

**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.

### P106 General Psychology, Honors (4 cr.)

**N & M P:** Consent of instructor or Hutton Honors College. Intensive introduction to psychology. Lectures and demonstrations, laboratory exercises, and student projects. Combines material from P101 and P102, or P151 and P152. Credit given only for P101 and P102, or P151 and P152, or P106. I Sem., II Sem., SS.

### P151 Introduction to Psychology I for Majors (3 cr.) N & M

Introduction to psychology for majors: its roots, methods, data, and theory. Major topics will include experimental methodology, neural science, learning and memory, sensation, perception, and cognition, with particular emphasis placed on experimental design and quantitative analyses. Credit not given for both P151 and P101.

### P152 Introduction to Psychology II for Majors (3 cr.) S & H

Introduction to psychology for majors. Continuation of P151. Presents major theoretical issues, research methods, and findings in social psychology, developmental psychology, individual differences, and psychopathology. Credit not given for both P152 and P102.

### P199 Planning Your Psychology Career (1 cr.)

**P:** 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.

### P201 An Introduction to Neuroscience (3 cr.)

**N & M P:** P101 or P151, or P106. Introduction to recent findings in behavioral neuroscience as they relate to human behavior. Topics may include neural bases of learning and memory, sex differences in the brain, cerebral hemispheric differences, and behavioral consequences of brain damage and neurosurgery. Does not fulfill area requirements for psychology major.

### P204 Psychological and Biological Bases of Human Sexuality (3 cr.) N & M P:

P101, P106, or P151. Introduction to recent findings in the study of human sexual behavior, with emphasis on the interaction between psychological, social, and biological factors. Topics include sexual differentiation and development, the physiology of sexual response, sexual orientation, and patterns of sexual behavior. Does not fulfill area requirements for psychology major.

### P211 Methods of Experimental Psychology

**(2-3 cr.) P:** P101 or P151, or P106. Design and execution of simple experiments, treatment of results, search of the literature, and preparation of experimental reports. I Sem., II Sem., SS.

### K300 (MATH K300) Statistical Techniques

**(3 cr.) 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 the following: K300, K310; CJUS K300; ECON E370 or S370; SOC S371; or SPEA K300. I Sem., II Sem., SS.

**P303 Health Psychology (3 cr.) N & M P:** 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 impact health both positively and negatively.

**K310 (MATH K310) Statistical Techniques (3 cr.) 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 the following: K300, K310; CJUS K300; ECON E370 or S370; SOC S371; or SPEA K300. I Sem., II Sem.

**P315 Developmental Psychology (3 cr.) S & H P:** P101 and P102, or P151 and P152, or P106. An introduction to how and why behavior changes over time. The theories and methods used to study behavioral change in both human and non-human models. Topics include development in perception, movement, language, cognition, and social/emotional behavior. I Sem., II Sem., SS.

**P316 Psychology of Childhood and Adolescence (3 cr.) S & H P:** 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.

**P319 Psychology of Personality (3 cr.) S & H P:** 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.

**P320 Social Psychology (3 cr.) S & H P:** P101 and P102, or P151 and P152, or P106. Principles of scientific psychology applied to the individual in social situations. I Sem., II Sem., SS.

**P323 Industrial/Organizational Psychology (3 cr.) S & H P:** 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.

**P324 Abnormal Psychology (3 cr.) S & H P:** 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.

**P325 Psychology of Learning (3 cr.) N & M P:** 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.

**P326 Behavioral Neuroscience (3 cr.) P:** 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.

**P327 Psychology of Motivation (3 cr.) N & M P:** 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.

**P329 Sensation and Perception (3 cr.) N & M P:** 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.

**P330 Perception/Action (3 cr.) N & M P:** P101, P151, or P106. Robotists know that actions like catching a flyball 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.

**P335 Cognitive Psychology (3 cr.) N & M P:** P101 and P102, or P151 and P152, or P106. Introduction to human cognitive processes, including attention and perception, memory, psycholinguistics, problem solving, and thinking. I Sem., II Sem., SS.

**P336 Psychological Tests and Individual Differences (3 cr.) N & M P:** 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.

**P340 Human Memory (3 cr.)** N & M P: P101 and P102 or P151 and P152, or P106; and K300. R: P335. Research, theory and data on human memory and information-processing models of memory.

**P346 Neuroscience (3 cr.)** P: 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.

**P349 Cognitive Neuroscience (3 cr.)** P: P326. 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.

**P350 Human Factors/Ergonomics (3 cr.)** N & M P: P101 or P151 or P106. Theories and data of experimental psychology applied to the problems of the interaction of people and technology.

**P375 Intimate Relationships (3 cr.)** P: P102 or P152. Focuses on the social psychology of relationships including marriage, divorce, human sexuality, jealousy, communication, and friendships.

**P402 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 used to fulfill 3 credit hours of psychology major Area A or Area B requirements for the B.A. degree with area determined by instructor. May be repeated twice with different topics for a maximum of 6 credits.

**P404 Computer and Statistical Models in Psychology (3 cr.)** This laboratory course provides an introduction to elementary mathematical, statistical, and computer models in psychology. Students learn to use computer spread-sheet packages to program formal models and to apply the models to analyze data obtained in psychological experiments.

**P405 Elementary Mathematical Psychology (3 cr.)** N & M P: 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.

**P407 Drugs and the Nervous System (3 cr.)** P: P326. 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.

**P409 Neural Bases of Sensory Function (3 cr.)** P: P326. 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.

**P410 Development of the Brain and Behavior (3 cr.)** P: P326. 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.

**P411 Neural Bases of Learning and Memory (3 cr.)** P: P326. 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.

**P413 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.

**P416 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.

**P417 Animal Behavior (3 cr.)** N & M P: P101, P151, or P106. R: introductory biology and P325, P326, or P327. Methods, findings, and interpretations of recent investigations of animal behavior.

**P421 Laboratory in Social Psychology (3 cr.)** P: P151 (4 cr.) and P152 (4 cr.), or P151 (3 cr.) and P152 (3 cr.) and P211, or P101 and P102 and P211, or P106 and P211; K300 or K310, and P320. Research methodology in the study of social behavior. I Sem., II Sem., SS.

**P423 Human Neuropsychology (3 cr.)** P: P326 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.

**P424 Laboratory in Sensation and Perception (3 cr.)** P: P151 (4 cr.) and P152 (4 cr.), or P151 (3 cr.) and P152 (3 cr.) and P211, or P101 and P102 and P211, or P106 and P211; K300 or K310, and P329. The experimental investigation of current and classical problems in sensory psychology and perception.

**P425 Behavior Disorders of Childhood and Adolescence (3 cr.)** P: 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.

**P426 Laboratory in Behavioral Neuroscience (3 cr.)** P: P151 (4 cr.) and P152 (4 cr.), or P151 (3 cr.) and P152 (3 cr.) and P211, or P101 and P102 and P211, or P106 and P211; K300 or K310, and P326. Experiments with and demonstrations of contemporary approaches in behavioral neuroscience. I Sem., II Sem.

**P429 Laboratory in Developmental Psychology (3 cr.)** P: P151 (4 cr.) and P152 (4 cr.), or P151 (3 cr.) and P152 (3 cr.) and P211, or P101 and P102 and P211, or P106 and P211; K300 or K310, and either P315 or P316. Research methods in developmental psychology and their application to selected problems in the development of humans and of nonhuman species.

**P430 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.

**P433 Laboratory in Neuroimaging Methods (3 cr.)** P: P153 and P154, or P211, or P106; P326; 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.

**P434 Community Psychology (3 cr.)** P: 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.

**P435 Laboratory in Human Learning and Cognition (3 cr.)** P: P151 (4 cr.) and P152 (4 cr.), or P151 (3 cr.) and P152 (3 cr.) and P211, or P101 and P102 and P211, or P106 and P211; K300 or

K310, and P325 or P335. Experimental study of human learning and cognitive processes. I Sem., II Sem.

**P436 Laboratory in Animal Learning and Motivation (3 cr.)** P: P151 (4 cr.) and P152 (4 cr.), or P151 (3 cr.) and P152 (3 cr.) and P211, or P101 and P102 and P211, or P106 and P211; K300 or K310, and P325 or P327. Experimental studies of animal learning and motivation.

**P438 Language and Cognition (3 cr.)** N & M P: 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.

**P440 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.

**P442 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.

**P443 Cognitive Development (3 cr.)** P: P315 or P316. Human cognitive development. Topics may include language, problem solving, conceptual growth, perception, and cultural influences.

**P444 Developmental Psychobiology (3 cr.)** P: P315 or P316. R: P326. Survey of phylogenetic and ontogenetic principles from a comparative perspective. Focuses on a broad biological approach to organic and social development.

**P446 Group Processes (3 cr.)** P: P320. 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.

**P447 Social Influence Processes (3 cr.)** P: P320. 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.



**P448 Social Judgment and Person Perception (3 cr.)** P: P320. 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.

**P457 Topics in Psychology (1-3 cr.)** P: Junior or senior standing. Studies in 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 credits.

**P459 History and Systems of Psychology (3 cr.)** P: 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.

**P460 Women: A Psychological Perspective (3 cr.)** S & H P: P101 and P102, or P151 and P152, or P106; and 3 additional credit hours in psychology. Basic data and theories about the development and maintenance of sex differences in behavior and personality.

**P466 Molecular and Cellular Neurobiology (3 cr.)** N & M P: P326. 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.

**P493 Supervised Research (3 cr.)** P: P151 (4 cr.) and P152 (4 cr.), or P151 (3 cr.) and P152 (3 cr.) and P211, or P101 and P102 and P211, or P106 and 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.

**P494 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.

**P495 Readings and Research in Psychology (1-3 cr.)** P: Written consent of instructor, junior or senior standing. May be repeated twice for a maximum of 9 credit hours.

**P499 Honors Thesis Research (12 cr. max.)** 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. I Sem., II Sem.

# Religious Studies

## Faculty

**Chairperson** Professor David Brakke

**Professors** James Ackerman (Emeritus), Robert Campany, David Haberman, James Hart (Emeritus), Gerald Larson (Emeritus), Richard B. Miller, David Smith (Emeritus), Stephen J. Stein (Chancellor's Professor Emeritus), Mary Jo Weaver (Emerita), Steven Weitzman

**Associate Professors** Candy Gunther Brown, Constance Furey, J. Albert Harrill, Nancy Levene, Shaul Magid, Rebecca Manning

**Assistant Professors** Chaya Halberstam, R. Kevin Jaques, Sylvester Johnson, Kathryn Lofton, Aaron Stalnaker, Dorothea Schulz, Lisa Sideris

**Academic Advising** April Lane,  
Sycamore Hall 230, (812) 856-4549

## 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 religious studies. 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. Pre-professional students are encouraged to pursue religious studies as a major or double major.

## Major in Religious Studies

**Requirements** Single and double majors must complete a total of 27 credit hours including the following:

1. one Western Religious Traditions course over the 100 level
2. one Eastern Religious Traditions course over the 100 level
3. one Critical Issues in Religious Studies course over the 100 level
4. one course (other than R494, R495, R496, and R499) at the 400 level

R264 Introduction to the Study of Religion is strongly recommended, particularly for those considering graduate work in the field of religious studies. One course at the 100 level and one Arts and Humanities Topics course with departmental approval may count towards the major. Students may count a second 100-level course for the major if one of them is R152 or R153. Six credit hours outside religious studies may count toward 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 it is relevant for advanced course work in the study of religion, such as ancient Greek or Latin, classical Hebrew, Chinese, Arabic, Hindi, or Sanskrit.

## Departmental Honors Program

Students with a minimum grade point average of 3.3 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.
3. Students should choose an area of study for R399 that prepares them for the R499 project.
4. The department also offers R201, an honors proseminar in religion. It is open to all students with a minimum grade point average of 3.3.

## 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, Franklin Hall 303, (812) 855-9304. In addition, the Department of Religious Studies offers the opportunity to participate in an archaeological excavation in Israel.

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

**Requirements** 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) in each of the following areas: 1. Western Religious Traditions. 2. Eastern Religious Traditions. 3. Critical Issues in Religious Studies.
3. One course (3 credit hours) in Religious Studies at the 400-level other than R494, R495, R496, and R499.

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 Afro-American History I or A356 Afro-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 Afro-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 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**

**Requirements** 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. (See the "Index.")

#### **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 in each of the following areas:

- a. Western Religious Traditions
  - b. Eastern Religious Traditions
  - c. Critical Issues in Religious Studies.
3. One (3 credit hour) 400-level religious studies course other than R495 and R499

#### **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.

### **Interdepartmental Honors Program in Religious Studies and Philosophy**

Students with a minimum grade point average of 3.3 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:

- R399 Reading for Honors and R499 Senior Honors Essay or an appropriate equivalent (Religious Studies) or  
 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. Thesis will be judged by an honors committee that consists of members from both departments.

### **Minor in Religious Studies**

#### **Requirements**

1. A minimum of 15 College of Arts and Sciences credit hours in religious studies.
2. At least one course each in Western religious traditions and Eastern religious traditions (see the course descriptions below for courses that fall into each category).
3. No more than two courses at the 100 level.
4. At least two courses at the 300 level or above.

### **Course Descriptions**

#### *Western Religious Traditions*

**R152 Religions of the West (3 cr.) A & H, CSA** Patterns of religious life and thought in the West: continuities, changes, and contemporary issues.

**R160 Religion and American Culture (3 cr.)**

**A & H** Varieties of religious life and culture in America. May be repeated once with a different topic for a maximum of 6 credit hours.

**R180 Introduction to Christianity (3 cr.) A & H**

Survey of beliefs, rituals, and practices of the Christian community, with a focus on the varieties of scriptural interpretation, historical experience, doctrine, and behavior.

**R210 Introduction to the Old Testament/ Hebrew Bible (3 cr.) A & H, CSA** Development of its beliefs, practices, and institutions from the patriarchs to the Maccabean period. Introduction to the biblical literature and other ancient Near East documents.

**R220 Introduction to the New Testament (3 cr.) A & H, CSA** Origins of the Christian movement and development of its beliefs, practices, and institutions in the first century. Primary source is the New Testament, with due attention to non-Christian sources from the same environment.

**R245 Introduction to Judaism (3 cr.) A & H, CSA** The development of post-biblical Judaism; major themes, movements, practices, and values.

**R257 Introduction to Islam (3 cr.) A & H, CSA** 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.

**R307 Messianism and Messiahs in Comparative Perspective (3 cr.) A & H, CSA** 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.

**R310 Prophecy in Ancient Israel (3 cr.) A & H, CSA** 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.

**R311 Narrative in the Hebrew Bible (3 cr.) A & H** Analysis of the narratives running from Genesis through 2 Kings, assessing how this literature developed in ancient Israelite culture, its ideological characteristics, and the techniques used by the writers to achieve their ideological purposes.

**R317 Judaism in the Making (3 cr.) A & H, CSA** Traces the development of Judaism from the end of the biblical period of Judaism to the

destruction of the Second Temple in 70 C.E., covering the major religious movements, beliefs, practices, and forms that took shape in this formative era.

**R320 Jesus and the Gospels (3 cr.) A & H P: R220.** Types of traditions about Jesus: their origins, development, and functions in early Christianity, compared with similar forms of traditions in non-Christian movements.

**R322 Women and Religion in America (3 cr.) A & H** Examines the efforts of women in American religious history to find their voices and assume leadership positions in a variety of religious and ethnic traditions.

**R323 Early Christian Monasticism (3 cr.) A & H, CSA** 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.

**R325 Paul and His Influence in Early Christianity (3 cr.) A & H** Life and thought of Paul, in the context of first-century Christian and non-Christian movements. Developments of radical Paulinism and anti-Paulinism in the second century; their influence on the formation of Christianity.

**R327 Christianity, 50-450 (3 cr.) A & H** The history and literature of Christianity from its origins to the end of antiquity.

**R330 Christianity, 400-1500 (3 cr.) A & H** The history and literature of western Christianity during the Middle Ages.

**R331 Christianity, 1500-2000 (3 cr.) A & H** The history and literature of western Christianity from the Reformation to the present.

**R335 Religion in Early America (3 cr.) A & H** Development of religious life and thought in early America, from the beginnings to 1865.

**R336 Religion in Modern America (3 cr.) A & H** Development of religious life and thought in modern America, from 1865 to the present.

**R338 American Catholic History (3 cr.) A & H** American Catholic experience from discovery of new world (French and Spanish missions) to the present.

**R341 Introduction to Jewish Mysticism (3 cr.) A & H, CSA 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.

**R342 Religious Thought in Medieval Judaism (3 cr.) A & H** Reinterpretations of biblical-rabbinic Judaism by Jewish intellectuals living under Islam and Christianity.

**R345 Religious Issues in Contemporary**

**Judaism (3 cr.) A & H, CSA** 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 12 credit hours.

**R356 Islamic Mysticism (3 cr.) A & H, CSA**

An introduction to Sufism which traces the development of Muslim mystical thought and practice from the eighth century to the present. Topics include early Muslim asceticism; the beginnings of love mysticism; sober and ecstatic experience; conceptions of the Sufi "path"; Sufi ethics; Sufi brotherhoods, rituals, and festivals; and mystical fables, allegories, and poetry.

**R367 Shi'ite Islam (3 cr.) A & H, CSA**

Examinations of the origins of Shi'ism as a religio-political movement within the Muslim community of the late seventh century A.D., and the history of this movement through its early (632-1000), medieval (1000-1500), and modern (1500-present) periods of development.

**R410 Topics in Ancient Israelite Religion**

**(3 cr.) A & H P: R210.** 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 once for credit with a different topic.

**R420 Ancient Mediterranean Religions (3 cr.)**

**A & H** The varieties of religious experience and expression in the Hellenistic world studied comparatively, with particular attention to the interactions of Greco-Roman, Jewish, and Christian traditions. Topics include moral teaching, religious themes in narratives, magic, and miracles.

**R421 Judaism and Gender: Philosophical and Theological Perspectives (3 cr.) A & H, CSA**

Studies the development of gender theory and politics in modern Judaism including law, ritual, sexual orientation and theology. Traces gender theory from the nineteenth century to the present focusing on the ways Judaism absorbed feminist critiques and struggled with its own traditional sources.

**R425 Gnostic Religion and Literature (3 cr.)**

**A & H** 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, and the Corpus Hermeticum; the possibility of Gnosticism in the New Testament.

**R427 The Bible and Slavery (3 cr.) A & H, CSA**

A historical study of slaves and the institution of slavery in the Hebrew Bible and the New Testament. Attention will be given both to the biblical texts in their original contexts of the ancient Mediterranean world and to their legacy in the history of interpretation--the nineteenth-century American slave controversy.

**R430 Topics in the History of Christianity**

**(3 cr.) A & H** 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 once for credit with a different topic.

**R432 Religious Diversity in America (3 cr.)**

**A & H P:** Junior standing. History, beliefs, and cultural patterns of such movements as Mormonism, Christian Science, Pentecostalism, Jehovah's Witnesses, Quakerism, and the Black Nation of Islam.

**R434 Topics in American Religious History**

**(3 cr.) 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 once for credit with a different topic.

**R445 Topics in the History of Judaism (3 cr.)**

**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 once for credit with a different topic.

**R456 Topics in Islamic Studies (3 cr.) A & H, CSA**

Selected topics on Islamic law, philosophy, theology, and mysticism. May be repeated once for credit with a different topic.

*Eastern Religious Traditions***R153 Religions of the East (3 cr.) A & H, CSA**

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.

**R203 Zen Buddhism (3 cr.) A & H, CSA**

Introduction to Zen Buddhism in medieval East Asia and the modern world. Focuses on defining moments for important issues in religious practice, theoretical understanding, and cultural modeling. Readings include excerpts from Zen texts and scholarly analyses. Video clips used.

**R250 Introduction to Buddhism (3 cr.) A & H, CSA, TFR**

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.

**R348 Hindu Goddesses (3 cr.) A & H, CSA**

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.

**R349 Hindu Devotionalism (3 cr.) A & H, CSA**

An exploration of the "bhakti" traditions of medieval and modern Hinduism, with a special focus on the art, mythology, poetry, and theological expressions of traditions associated with the gods Shiva and Vishnu. Includes examination of the architectural forms, images, and rituals of the Hindu temple.

**R350 East Asian Buddhism (3 cr.) A & H, CSA**

Adaptation and assimilation of Buddhism in East Asia; early philosophical and ritual schools; social issues; the T'ien-t'ai synthesis of Mahayana Buddhism; devotional Buddhism; Ch'an/Zen school of meditation; impact of Buddhism on East Asian cultures and arts.

**R352 Religion and Literature in Asia (3 cr.)**

**A & H** 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.

**R357 Religions in Japan (3 cr.) A & H, CSA**

Religious movements in Japan, with emphasis on the development of Shinto, Buddhism, Confucianism, Christianity, and the rise of the "new religions."

**R358 Hinduism (3 cr.) A & H, CSA** 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.

**R369 The Taoist Tradition (3 cr.) A & H, CSA**

A selective survey of the politico-philosophical, mystical, meditative, alchemical, and liturgical aspects of the Taoist tradition in China from the fourth century B.C. to today. Themes include asceticism and bodily control, social protest, ritual action, hierogamy, and revelation. Alternative models for the study of non-Western religions are also considered.

**R382 Women in South Asian Religious**

**Traditions (3 cr.) A & H, CSA** 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.

**R450 Topics in the Buddhist Tradition**

**(3 cr.) A & H P:** R250, R350, or consent of instructor. Selected topics such as Mahayana Sutra literature, Buddhist cult practice, Indian Buddhist inscriptions, Prajnaparamita thought, or Zen in Korea and Japan. May be repeated once for credit with a different topic.

**R452 Topics in East Asian Religions (3 cr.)**

**A & H, CSA P:** one course in Eastern religions. 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 once for credit with a different topic.

**R454 Tantric Traditions of India (3 cr.) A & H, CSA**

Critical survey and analysis of Hindu and Buddhist Tantric ideas and practices in India. Focus on the role of sexuality and gender in Indian mysticism.

**R458 Topics in Hindu Religious Traditions**

**(3 cr.) A & H P:** R358. Selected topics such as Upanishadic thought, the Bhagavadgita, Advaita Vedanta, Hindu ethics, monastic traditions, Hindu soteriology. May be repeated once for credit with a different topic.

**R469 Topics in Taoism and Chinese Religion**

**(3 cr.) A & H, CSA P:** R369. Selected topics within the Taoist tradition and its relations with the larger Chinese cultural world, such as the writings of Lao-tzu and Chuang-tzu, the Taoist mystical and meditative traditions, Taoist narrative and/or revealed literature in translation, and Taoist-Buddhist-Confucian interactions in specific historical periods. May be repeated once for credit when topics vary.

*Critical Issues in Religious Studies***R102 Religion and Popular Culture (3 cr.)**

**A & H** Exploration of select examples of the ways religion and popular culture interact. Study of ordinary people making sense of their worlds through diverse media (e.g., novels, diaries, popular music, vernacular art and architecture, radio, film, television). May be repeated with a different topic for a maximum of 6 credit hours.

**R170 Religion, Ethics, and Public Life (3 cr.)**

**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.

**R222 Star Trek and Religion (3 cr.) A & H,**

**TFR** Introduction to the critical study of religion. Trek episodes are used to examine religion from two viewpoints: those who argued its rejection and those who argue that it can be re-invented.

**R236 Religion, Ecology and the Self (3 cr.)**

**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.

**R264 Introduction to the Study of Religion (3 cr.)**

**A & H** Survey of the principal thinkers, theories, and methodologies that have shaped the critical study of religious phenomena. Focal texts include the works of such figures as Durkheim, Weber, Freud, Otto, Eliade, Geertz, W C. Smith, J.Z. Smith, Horton, and Guthrie.

**R270 The Living and the Dead (3 cr.)**

**A & H, TFR** A comparative inquiry into the relations between the living and the dead in multiple human societies and religions in various historical periods. Problems explored include the nature of religious imagination, the role of stories and rituals and media, the cultural shaping of emotions, and issues of description, interpretation, and explanation.

**R271 American Religion and Politics (3 cr.)**

**A & H** American religious institutions and public policy. Religious liberty. Religious communities as political forces on selected issues, e.g., war, poverty, racism.

**R280 Speaking of God (3 cr.)**

**A & H** Theology, as the study of the first principle, ground of being, the good, the One, etc., as appearing in various traditions.

**R333 Religion and its Critics (3 cr.)**

**A & H** Examines major critics of religion, including Spinoza, Hume, Marx, and Freud.

**R340 Contemporary Religious Thought (3 cr.)**

**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 once for credit with a different topic.

**R360 Comparative Study of Religious Phenomena (3 cr.)**

**A & H** Eastern and Western religions on a selected subject such as time and the sacred, sacrifice, initiation. May be repeated once for credit with a different topic.

**R362 Religion in Literature (3 cr.)**

**A & H** Theological issues raised in literature. Function of religious myth and central religious themes such as damnation, alienation, pilgrimage, quest, conversion, enlightenment. May be repeated once for credit with a different topic.

**R364 Topics in Gender and Western Religions (3 cr.)**

**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.

**R365 Religion and Personality (3 cr.)**

**A & H** Different ways of relating psychological concepts and data from personality theory to the study of religion and theology. Topics will include psychoanalytic interpretation, existential psychology, and psychohistorical study of religious leaders. May be repeated once for credit with a different topic.

**R371 Religion, Ethics, and the Environment (3 cr.)**

**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.

**R372 Love and Justice (3 cr.)**

**A & H** Selected movements or problems in Western religious social ethics, such as Christian theories of the state, natural law, war, and conscience. May be repeated once for credit with a different topic.

**R373 Religion, Ethics, and Medicine (3 cr.)**

**A & H** Religious ethical traditions and their relation to issues raised by medicine and the life sciences: control of reproduction, experimentation with human subjects, confidentiality, refusal of treatment, allocation of resources, definition of death, euthanasia. May be repeated once for credit with a different topic.

**R374 From Christian Ethics to Social Criticism I (3 cr.)**

**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. First of a two-semester sequence.

**R375 From Christian Ethics to Social Criticism II (3 cr.)**

**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.

**R376 War and Peace in Western Religion (3 cr.)**

**A & H** Ethics of war and peace in Judaism, Christianity, and Islam. Sources include the Bible, rabbinic teaching, Augustine, Aquinas, Martin Luther King Jr., Reinhold Niebuhr, U.S. Catholic bishops, Islamic Law, and Michael Walzer. Topics include pacifism, just-war doctrine, jihad, religious crusades as these pertain to war, intervention, terrorism, sanctions, war crimes.

**R380 Faith, Revelation, and Reason (3 cr.)**  
**A & H** Modes of religious knowing. Selected problems such as history and revelation, sensibility and belief, concepts of God, and the experience of evil as a problem for faith.

**R462 Topics in Religious Philosophy (3 cr.)**  
**A & H P:** Junior standing. Selected focus on major movements and problems that provide the theoretical framework for theological reflection. May be repeated once for credit with a different topic.

**R465 Topics in Psychology of Religion (3 cr.)**  
**A & H P:** Junior standing. Selected topics such as fantasy, religious notions of the self, images of authority. May be repeated once for credit with a different topic.

**R473 Problems in Social Ethics (3 cr.)** **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 once for credit with a different topic.

#### *Special Courses*

These courses may be counted toward allocation requirements by departmental consent.

**R201 Honors Proseminar in Religion (3 cr.)**  
**A & H P:** Freshmen and sophomores who may want to enter an honors program or consent of instructor. Selected issues in the study of religion. May be repeated once for credit with a different topic.

**R202 Topics in Religious Studies (3 cr.)** **A & H**  
 Selected topics, issues, and movements in religion. May be repeated once with a different topic for a maximum of 6 credit hours.

**R300 Studies in Religion (3 cr.)** **A & H**  
 Selected topics and movements in religion. May be repeated with different topics for a maximum of 12 credit hours.

**R399 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.

**R474 Capstone Seminar in Religion (3 cr.)**  
**A & H** Comparative and interdisciplinary approaches to the study of religion. Offers students the opportunity to draw together and reconsider their varied interests and questions as these have developed in their studies in the department. Team taught; topics vary.

**R494 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.

**R495 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.

**R496 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.

**R497 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 taken for a maximum of 12 credit hours.

**R498 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.

**R499 Senior Honors Essay (6 cr. max.)**  
**P:** Approval of departmental honors advisor. Guided research culminating in essay(s).





# Russian and East European Institute

## Faculty

**Director** Professor David L. Ransel (History)

**Professors** Michael Alexeev (Economics), David Audretsch (School of Public and Environmental Affairs), Randall Baker (School of Public and Environmental Affairs), Jack Bielasiak (Political Science), Henry Cooper (Slavic Languages and Literatures), Devin DeWeese (Central Eurasian Studies), Benoit Eklof (History), Ronald Feldstein (Slavic Languages and Literatures), William Fierman (Central Eurasian Studies), Steven Franks (Slavic Languages and Literatures), Roy Gardner (Economics), Jeffrey Hart (Political Science), Jeffrey C. Isaac (Political Science), Dov-Ber Kerler (Jewish Studies), Janet Kennedy (Fine Arts), Hiroaki Kuromiya (History), John Mikesell (School of Public and Environmental Affairs), Martha Nyikos (School of Education), Christine Ogan (School of Journalism), Phillip Parnell (Criminal Justice), Nina Perlina (Slavic Languages and Literatures), David Ransel (History), Toivo Raun (Central Eurasian Studies), Jean C. Robinson (Political Science), Alvin Rosenfeld (Jewish Studies, English), Anya Peterson Royce (Anthropology), M. Nazif Shahrani (Anthropology, Central Eurasian Studies, Near Eastern Languages and Cultures), Beverly Stoeltje (Anthropology), Mihaly Szegedy-Maszak (Central Eurasian Studies), Bronislava Volkova (Slavic Languages and Literatures), Charles Wise (School of Public and Environmental Affairs)

**Associate Professors** Christopher Atwood (Central Eurasian Studies), Matthew Auer (School of Public and Environmental Affairs), Joelle Bahloul (Anthropology, Jewish Studies), Bonnie Brownlee (School of Journalism), Maria Bucur-Deckard (History), Andrew Durkin (Slavic Languages and Literatures), George Fowler (Slavic Languages and Literatures), Christina Illias (Slavic Languages and Literatures), Owen V. Johnson (School of Journalism, History), Bill Johnston (Linguistics), Michael Kaganovich (Economics), Dodona Kiziria (Slavic Languages and Literatures), Jerzy Kolodziej (Slavic Languages and Literatures), Robert Kravchuk (School of Public and Environmental Affairs), Terrence Mason (School of Education), Bryan McCormick (Recreation and Park Administration), William Pridemore (Criminal Justice), Steven Raymer (School of Journalism), Robert Rohrschneider (Political Science), Dina Spechler (Political Science), Herbert Terry (Telecommunications), Frances Trix (Linguistics), Jeffrey Veidlinger (History, Jewish Studies)

**Assistant Professors** Aaron Beaver (Slavic Languages and Literatures), Justyna Beinek (Slavic Languages and Literatures), Aurelian Craiutu (Political Science), Halina Goldberg (Musicology), Lynn Hooker (Central Eurasian Studies), Frederika Kaestle (Anthropology), Matthias Lehmann (History, Jewish Studies), Paul Losensky (Central Eurasian Studies), Joshua Malitsky (Communication and Cultures), Sarah Phillips (Anthropology), Marci Shore (History), Beate Sissenich (Political Science)

**Academic Advising** Ballantine Hall 565, (812) 855-7309

## 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 13 departments in the College of Arts and Sciences and the Schools of Business, Education, Fine Arts, Journalism, Library Science, Music, and Public and Environmental Affairs. The program does not grant an undergraduate major, but students can obtain an undergraduate minor on one of two tracks: a regular minor or a minor with language certificate. The minor is awarded along with the bachelor's degree.

## Minors in Russian and East European Studies

The minors indicate that students have achieved special competence in the Russian and East European area, successfully completing interdisciplinary area course work. Two minors, described below, are available. The first minor requires a distribution of area courses in three disciplinary groupings. The second minor, in addition to area courses, includes a language certificate. 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) or the permission of the director to enter either undergraduate minor program.

Applications are available from the Russian and East European Institute (REEI) in Ballantine Hall 565.

## Minor in Russian and East European Studies

**Requirements** Students must complete 15 credit hours, 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 history, social sciences, and literature/culture distribution groups from the list below. Institute courses R302 and R303 can be used to meet the requirement for any of the distribution groups. Nine of these credit hours must be at the 300 level or above. Courses taken to satisfy the institute minor requirements may also be used to meet College distribution requirements.

## Minor in Russian and East European Studies with Language Certification

**Requirements** 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: Czech, Estonian, Hungarian, Polish, Romanian, Russian, Serbian and Croatian, Uzbek, Yiddish, or another area language. Students may be exempted from the 6 credit hour requirement by demonstrating equivalent language knowledge with the approval of an REEI advisor.

## Course Descriptions

**R300 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.

**R301 Russian and East European Area Topics (3 cr.) S & H, CSA** Selected topics related to politics, culture, economics, and society in the Russian and East European area.

**R302 Russia, Past and Present (3 cr.) S & H, CSA** 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.

**R303 Eastern Europe, Past and Present (3 cr.) S & H, CSA** 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.

**R495 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 Distribution Requirements for the REEI Minor

The following is a list of existing courses that were offered in the last three years 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. Please consult with the REEI advisor prior to registering for courses to count toward the minor. (REE=Russian and/or East European.)

### Group I (Historical)

#### Central Eurasian Studies

- U320 Topics in Central Eurasian Studies (REE Historical Topics) (3-4 cr.)
- U324 Romanticism and the Rise of Nationalism (3 cr.)
- U333 Finland in the Twentieth Century (3 cr.)  
**S & H**
- U368 The Mongol Century (3 cr.) **S & H, CSA**
- U369 Inner Asia after the Mongol Conquest (3 cr.) **S & H**
- U423 Hungary between 1890 and 1945 (3 cr.)  
**S & H, CSA**
- U427 Hungary from 1945 to Present (3 cr.)  
**S & H, CSA**
- U436 Finnish Civilization to 1800 (3 cr.) **S & H**
- U469 Modern Mongolia (3 cr.)
- U493 Islamic Central Asia: Sixteenth through Nineteenth Centuries (3 cr.) **S & H**
- U494 Central Asia under Russian Rule (3 cr.)  
**S & H**
- U496 Historical Ethnography of Central Asia (3 cr.) **S & H**

#### College of Arts and Sciences

- E103 Topics in Arts and Humanities:  
REE Historical Topics (3 cr.) **A & H**
- E104 Topics in Social and Historical Studies:  
REE Historical Topics (3 cr.) **S & H**
- S104 Freshman Seminar in Social and Historical Studies: REE Historical Topics (3 cr.) **S & H**

#### Geography

- G427 Russia and Its Neighbors (3 cr.)  
**S & H, CSA**

#### History

- B300 Issues in Western European History (3 cr.) **S & H**
- B322 Jews in the Modern World (3 cr.)  
**S & H, CSA**
- B323 History of the Holocaust (3 cr.)  
**S & H, CSA**
- C393 Ottoman History (3 cr.) **S & H, CSA**
- D101 Icon and Axe: Russia through the Ages (3 cr.) **S & H, CSA**
- D200 Issues in Russian and East European History (3 cr.) **S & H**
- D300 Issues in Russian/East European History (3 cr.) **S & H**
- D302 The Gorbachev Revolution and the Collapse of the Soviet Empire (3 cr.)  
**S & H, CSA**
- D303 Heroes and Villains in Russian History (3 cr.) **S & H, CSA**

- D304 Jews of Eastern Europe (3 cr.) **S & H, CSA**  
 D308 Empire of the Tsars (3 cr.) **S & H, CSA**  
 D310 Russian Revolution and the Soviet Regime (3 cr.) **S & H, CSA**  
 D320 Modern Ukraine (3 cr.) **S & H**  
 D325 Nationalism in the Balkans, 1804-1923 (3 cr.) **S & H, CSA**  
 D327 The People vs. The Emperor (3 cr.) **S & H, CSA**  
 D329 Eastern Europe: 1900-1943 (3 cr.)  
 D330 Eastern Europe: 1944-present (3 cr.)  
 D400 Issues in Russian/East European History (3 cr.) **S & H**  
 H251 Introduction to Jewish History: From the Bible to Spanish Expulsion (3 cr.) **S & H, CSA**  
 H252 Introduction to Jewish History: From Spanish Expulsion to the Present (3 cr.) **S & H, CSA**  
 J200 Seminar in History (REE Area Topics) (3 cr.) **S & H**  
 J300 Seminar in History (REE Area Topics) (3 cr.) **S & H**  
 J400 Seminar in History (REE Area Topics) (3 cr.) **S & H**

#### **Collins Living-Learning Center**

- L310 Collins Symposium: REE Historical Topics (3 cr.) **A & H**  
 L320 Collins Symposium: REE Historical Topics (3 cr.) **S & H**

#### **Group II (Social Science)**

##### **Anthropology**

- E332 Jewish Women: Anthropological Perspectives (3 cr.) **S & H, CSA**  
 E371 Modern Jewish Culture and Society (3 cr.) **S & H, CSA**  
 E382 Memory and Culture (3 cr.) **S & H**  
 E387 The Ethnography of Europe (3 cr.) **S & H, CSB**  
 E397 Peoples and Cultures of the Middle East (3 cr.) **S & H, CSA**  
 E398 Peoples and Cultures of Central Asia (3 cr.) **S & H, CSA**  
 E400 Undergraduate Seminar (REE Area Topics) (3 cr.)  
 E455 Anthropology of Religion (3 cr.) **S & H**

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

- D301 International Business Environment (3 cr.)  
 D302 International Business: Operating International Enterprises (3 cr.)  
 F494 International Financial Management (3 cr.)  
 G494 Public Policy and the International Economy (3 cr.)  
 L411 International Business Law (3 cr.)  
 M401 International Marketing (3 cr.)  
 X330 International Communication Strategies (3 cr.)

##### **Central Eurasian Studies**

- U320 Topics in Central Eurasian Studies (REE Social Science Topics) (3-4 cr.)  
 U395 Central Asian Politics and Society (3 cr.) **S & H, CSA**

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

- E104 Topics in Social and Historical Studies (3 cr.) (REE Social Science Topics) **S & H, TFR**  
 S104 Freshman Seminar in Social and Historical Studies (3 cr.) (REE Social Science Topics) **S & H, TFR**

##### **Criminal Justice**

- P493 Seminar in Criminal Justice (3 cr.) (REE Area Topics)

##### **Economics**

- E386 Soviet-Type Economies in Transition (3 cr.)  
 E390 Undergraduate Seminar in Economics (3 cr.) (REE Area Topics)

##### **Foster International**

- F250 Seminar on International Issues (REE Area Topics) (3 cr.)

##### **Collins Living-Learning Center**

- L310 Collins Symposium (REE Social Science Topics) (3 cr.) **A & H**  
 L320 Collins Symposium (REE Social Science Topics) (3 cr.) **S & H**

##### **Political Science**

- Y107 Introduction to Comparative Politics (REE Area Topics) (3 cr.) **S & H**  
 Y109 Introduction to International Politics (REE Area Topics) (3 cr.) **S & H**  
 Y200 Contemporary Political Problems (REE Area Topics) (3 cr.) **S & H**  
 Y210 Honors Seminar (REE Area Topics) (3 cr.) **S & H**  
 Y332 Russian Politics (3 cr.) **S & H, CSA**  
 Y340 East European Politics (3 cr.) **S & H, CSA**  
 Y350 Politics of the European Union (3 cr.) **S & H**  
 Y351 Political Simulations (REE Area Topics) (1-3 cr.)  
 Y352 The Holocaust and Politics (3 cr.) **S & H, CSA**  
 Y363 Comparative Foreign Policy (REE Area Topics) (3 cr.) **S & H**  
 Y368 Russian and Soviet Foreign Policy (3 cr.) **S & H**  
 Y375 War and International Conflict (3 cr.) **S & H**  
 Y381 Classical Political Thought (3 cr.) **A & H, CSA**  
 Y382 Modern Political Thought (3 cr.) **A & H, CSB**

##### **Group III (Literature and Culture)**

##### **Central Eurasian Studies**

- U320 Topics in Central Eurasian Studies (REE Literature/Culture Topics) (3-4 cr.)  
 U370 Uralic Peoples (3 cr.) **S & H**  
 U397 Peoples and Cultures of the Middle East (3 cr.) **S & H, CSA**  
 U398 Peoples and Cultures of Central Asia (3 cr.) **S & H, CSA**  
 U426 Modern Hungarian Literature (3 cr.) **A & H**

**College of Arts and Sciences**

- E103 Topics in Arts and Humanities (REE Literature/Culture Topics) (3 cr.) **A & H**  
 E104 Topics in Social and Historical Studies (REE Literature/Culture Topics) (3 cr.) **S & H**  
 S104 Freshman Seminar in Social and Historical Studies (REE Literature/Culture Topics) (3 cr.) **S & H**

**Comparative Literature**

- C377 Topics in Yiddish Literature (REE Area Topics) (3 cr.) **A & H, CSA**  
 C335 Realism, Naturalism, and Symbolism (3 cr.) **A & H, CSB**  
 C347 Ideas in Literature (REE Area Topics) (3 cr.) **A & H, CSB**  
 C378 Topics in Yiddish Culture (REE Area Topics) (3 cr.) **A & H, CSA**  
 C400 Studies in Comparative Literature (REE Area Topics) (3 cr.) **A & H**

**Fine Arts**

- A442 Twentieth-Century Art, 1900-1924 (3 cr.) **CSB**  
 A480 Russian Art (3 cr.) **S & H, CSA**

**Germanic Studies**

- Y300 Topics in Yiddish Literature (REE Area Topics) (3 cr.) **A & H, CSA**  
 Y350 Topics in Yiddish Culture (REE Area Topics) (3 cr.) **A & H, CSA**  
 Y495 Individual Readings in Yiddish Studies: Language, Literature, Culture (REE Area Topics) (1-3 cr.)

**Hutton Honors College**

- H203 Interdepartmental Colloquia (REE Area Topics) (3 cr.) **A & H, TFR**

**School of Journalism**

- J414 International News Gathering Systems (3 cr.)

**Collins Living-Learning Center**

- L310 Collins Symposium (REE Literature/Culture Topics) (3 cr.) **A & H**  
 L320 Collins Symposium (REE Literature/Culture Topics) (3 cr.) **S & H**

**Religious Studies**

- R341 Introduction to Jewish Mysticism (3 cr.) **A & H, CSA**  
 R345 Religious Issues in Contemporary Judaism (REE Area Topics) (3 cr.) **A & H, CSA**  
 R445 Topics in the History of Judaism (REE Area Topics) (3 cr.) **A & H**

**Slavic Languages and Literatures**

- C363-C364 Literature and Culture of the Czechs and Slovaks I-II (3-3 cr.) **A & H, CSA**  
 C365 Seminar in Czech and Central European Literatures and Cultures (3 cr.)  
 P223 Introduction to Polish Culture (3 cr.) **A & H, CSA**

P363-P364 Survey of Polish Literature and Culture I-II (3-3 cr.) **A & H, CSA**

P365 Topics in Polish Literature and Culture (3 cr.) **A & H**

R123 Masterworks of Russian Short Fiction (3 cr.) **A & H, TFR**

R223 Introduction to Russian Culture (3 cr.) **A & H, CSA**

R263 Pushkin to Dostoevsky (3 cr.) **A & H, CSA**

R264 Tolstoy to Solzhenitsyn (3 cr.) **A & H, CSA**

R334 Tolstoy and Dostoevsky (3 cr.) **A & H, CSA**

R352 Russian and Soviet Film (3 cr.) **A & H, CSA**

R353 Central European Cinema (3 cr.) **A & H, CSA**

R405-R406 Readings in Russian Literature I-II (3-3 cr.) **A & H**

R407-R408 Readings in Russian Culture, History, and Society I-II (3-3 cr.) **A & H**

S363-S364 Literature and Culture of the Southern Slavs I-II (3-3 cr.) **A & H, CSA**

**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, or Yiddish). The following courses count toward this requirement:

**Slavic Languages and Literatures**

C201-C202 Intermediate Czech I-II (3-3 cr.)

C301-C302 Advanced Intermediate Czech I-II (3-3 cr.)

M201-M202 Intermediate Romanian I-II (3-3 cr.)

P201-P202 Intermediate Polish I-II (3-3 cr.)

P301-P302 Advanced Intermediate Polish I-II (3-3 cr.)

R201-R202 Intermediate Russian I-II (4-4 cr.)

R301-R302 Advanced Intermediate Russian I-II (3-3 cr.)

R325-R326 Advanced Intermediate Oral Russian I-II (2-2 cr.)

R401-R402 Advanced Russian I-II (3-3 cr.)

W303-W304 Intermediate Russian I-II (5-5 cr.)

W305-W306 Advanced Intermediate Russian I-II (5-5 cr.)

W307-W357 Advanced Russian I-II (5-5 cr.)

W308-W358 Advanced Russian Syntax and Stylistics I-II (5-5 cr.)

W309-W359 Advanced Russian Syntax and Stylistics III-IV (5-5 cr.)

S201-S202 Intermediate Serbian and Croatian I-II (3-3 cr.)

S301-S302 Advanced Intermediate Serbian and Croatian I-II (3-3 cr.)

**Central Eurasian Studies**

U211-U212 Intermediate Estonian I-II (3-3 cr.)

U231-U232 Intermediate Hungarian I-II (3-3 cr.)

**Germanic Studies**

Y200-Y250 Intermediate Yiddish I-II (3-3 cr.)

## Second Language Studies (formerly TESOL/ Applied Linguistics)

### Faculty

**Chairperson** Professor Kathleen Bardovi-Harlig

**Professors** Kathleen Bardovi-Harlig, Harry L. Gradman (Emeritus), Beverly Hartford (Emeritus), Rex A. Sprouse (Germanic Studies)

**Associate Professors** Laurent Dekydtspotter (French and Italian), Bill Johnston (Comparative Literature), Philip LeSourd (Anthropology)

**Adjunct Associate Professors** Kenneth De Jong (Linguistics), Kimberly Geeslin (Spanish and Portuguese)

**Lecturer** Richard Bier

**Academic Advising** Memorial Hall 313,  
(812) 855-7951

### Introduction

While the Department of Second Language Studies does not offer a bachelor's degree or certificate, course work aimed at improving English language proficiency is available for nonnative speakers of English. Consult the department for additional Second Language Studies course information.

### Course Descriptions

#### **T100 Intensive English Program (0 cr.)**

The Intensive English Program provides full-time instruction at the beginning and intermediate levels. These are seven-week courses.

#### **T101 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.

## Slavic Languages and Literatures

### Faculty

**Chairperson** Professor Ronald Feldstein

**Professors** Henry R. Cooper Jr., Steven Franks, Nina Perlina, Bronislava Volkova

**Associate Professors** Andrew Durkin, George Fowler, Christina Illias, Dodona Kiziria, Jerzy Kolodziej

**Assistant Professors** Aaron Beaver, Justyna Beinek

**Faculty Emeriti** Howard Keller, Vadim Liapunov

**Senior Lecturer** Laurence R. Richter

**Lecturer and Director of Undergraduate Studies** Jeffrey Holdeman

**Academic Advising** Ballantine Hall 502,  
(812) 855-2608

### Introduction

The Department of Slavic Languages and Literatures (SLAV) offers courses designed to meet a wide range of needs and interests in Russian, Polish, Czech, Serbian and Croatian, and Romanian.

Advanced language courses are designed 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 and culture 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 only.

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.

## Certificate in Russian Language

A special Russian language certificate program is available in the Summer Workshop for highly motivated students who have already completed the equivalent of at least three years of college Russian. Students who successfully complete fourth-, fifth- and sixth-year Russian receive a Certificate of Russian Language Proficiency from Indiana University. For information, contact the department. For course details, see W307-W357, W308-W358 and W309-W359, listed below. Credit received for these courses, as well as for the St. Petersburg program (see "Overseas Study" below), may be substituted for language course requirements listed under the three major programs below. The three courses listed above also carry graduate credit.

## 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. Outstanding students may be invited to enroll in S497 Internship in Slavic.

## Overseas Study

The university co-sponsors the Russian programs administered by the Council on International Educational Exchange (CIEE) for a period of one academic year or semester (fall, spring, summer). Study abroad in other East and Central European countries is also possible. 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. For information on these and other overseas study opportunities in Russia and Central and Eastern Europe, contact the Office of Overseas Study, Franklin Hall 303, (812) 855-9304 ([www.indiana.edu/~overseas/](http://www.indiana.edu/~overseas/)).

## Summer Workshop in Slavic, East European, and Central Asian Languages

The department's Summer Workshop offers students an opportunity to accelerate their learning of departmental (and other 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 nonintensive 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.

## Russian Language House

The department cooperates with the Global Village Living Learning Center in offering residential and nonresidential programs for students with common interests in Russian language and culture. For further information, contact the departmental office, Ballantine Hall 502, (812) 855-2608.

## Secondary Teacher Certification

For information and advising, candidates should contact the School of Education advising office, Education 1000, (812) 856-8510.

## 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 in the original (option 1), or basic Russian-language knowledge and familiarization with Russian literature and culture in translation (option 2). Students must also complete the degree requirements of the College of Arts and Sciences.

1. R201-R202, R301-R302; R223, R263-R264; and either line 2 or 3.
2. Option 1, Russian Language and/or Literature (any four of the following): R401, R402 (P: R401), R403 (P: R401), R404, R405, R406, R407, R408, R470, R472.
3. Option 2, Russian Literature and Culture in Translation: R334, R345, R349, R352.

Total: 35 credits.

### 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 will 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 other departmental language, literature, film, or culture courses at the 200 level or higher.

Total: 34 credits.

Contact the academic advisor to discuss the possibility of a Romanian option.

## Minor in Slavic Languages and Literatures

**Requirements** Five courses in Slavic languages and literatures, totaling 15 College of Arts and Sciences credit hours, at the 200 level or above, of which at least 9 credit hours must be numbered 223 or above.

## Special Credit in Slavic Languages and Literatures

1. Students who wish either to test out of the College of Arts and Sciences language requirement or to get special ("S") credit for their knowledge of a SLAV language, or both, must take a written departmental placement test for that language. An additional oral examination may be administered at the discretion of the relevant language instructor. International students may not receive 100- or 200-level credit (either regular or special) in their native languages, but they may request that the language requirement be waived for them, pending results of the placement testing. Students who have finished high school in the United States, regardless of their native language, are not considered to be international students and may therefore receive special credit in a SLAV language.
2. Students testing into the second semester of a SLAV language may earn 5 credit hours of special credit for the semester they tested out of. Students testing into the third semester may earn 10 credit hours of special credit. Students do not have to take a SLAV course in order to be awarded this credit.
3. Students testing into the fourth or fifth semester of a SLAV language may earn 200-level credits (either 4 or 8 for Russian; 3 or 6 for other languages), *only if they take a 200-level or higher course and complete it with a grade of B or higher*. For example, students testing into SLAV R202 can get 4 hours of special credit for R201 if they complete R202 with a grade of B or higher; students testing into R301 can get 8 hours of special credit for R201-R202 if they complete R301 with a grade of B or higher. Special credit is not awarded in the Slavic department for courses above the 200 level.
4. SLAV majors may not apply special credit they earn for 200-level courses toward fulfillment of their major requirements.

They are required to substitute other courses in order to meet the College of Arts and Sciences and departmental credit requirements for all majors in SLAV.

## Course Descriptions

**Prerequisite Grades for Departmental Language Courses** 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.

### *Russian Language*

#### **R101-R102 Elementary Russian I-II (5-5 cr.)**

P for R102: 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. Classes supplemented by one hour of drill and work in language laboratory. It is recommended that majors take R121-R122 concurrently.

#### **R201-R202 Intermediate Russian I-II (4-4 cr.)**

P: Grade of C or higher in R102 or equivalent. C or higher in R201 is prerequisite for R202. Continuation of work in structure and vocabulary acquisition through study of grammar, drills, and readings. Oral practice and written exercises. It is recommended that majors take R221-R222 concurrently.

#### **R301 Advanced Intermediate Russian I (3 cr.)**

P: Grade of B or higher in R202 or R222. C: R325 or consent of the 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. Recitation classes supplemented by lab and discussion sections.

#### **R302 Advanced Intermediate Russian II (3 cr.)**

P: Grade of B or higher in R301. C: R326 or consent of the 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. Recitation classes supplemented by lab and discussion sections.

#### **R325 Advanced Intermediate Oral Russian I (2 cr.)**

C: R301 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. Credit possible for participation in CIEE St. Petersburg

programs and in Russian play rehearsals and performance. May be repeated for a maximum of 4 credit hours. I Sem., II Sem., SS.

**R326 Advanced Intermediate Oral Russian II (2 cr.)** C: R302 or consent of the department. Continuation and advanced treatment of topics covered in R325 as well as topics of current events. May be repeated for a maximum of 4 credit hours.

**R398 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.

**R401-R402 Advanced Russian I-II (3-3 cr.)** P: Grade of B or higher in R302. B or higher in R401 is prerequisite for R402. 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. Recitation class supplemented by lab and conversation sections.

**R403 Russian Phonetics (3 cr.)** 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. II Sem.

**R404 Structure of Russian (3 cr.)** 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.

**R405-R406 Readings in Russian Literature I-II (3-3 cr.)** 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. R405, I Sem.; R406, II Sem.

**R407-R408 Readings in Russian Culture, History, and Society I-II (3-3 cr.)** 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. R407, I Sem.; R408, II Sem.

**R491-R492 Russian for Graduate Students I-II (4-4 cr., undergrad.; 3-3 cr., grad.)** 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. R491, I Sem.; R492, II Sem.

**S497 Internship in Slavic (1-3 cr.)** P: Major standing, minimum GPA of 3.000, 12 credit hours in Slavic at 300 level or above, and prior arrangement with faculty member or editor. Supervised experience in teaching undergraduate Slavic course or in editing departmentally based journal or allied publication. May be repeated once for credit for a total of 6 credits.

**S498 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.

**S499 Senior Honors Seminar (6 cr. max.)** P: Approval of the departmental honors committee.

**W301-W302 Elementary Russian I-II (5-5 cr.)** Intensive summer equivalent of R101 and R102.

**W303-W304 Intermediate Russian I-II (5-5 cr.)** Intensive summer equivalent of R201 and R202.

**W305-W306 Advanced Intermediate Russian I-II (5-5 cr.)** Intensive summer equivalent of R301 and R302.

**W307-W357 Advanced Russian I-II (5-5 cr.)** Intensive summer equivalent of R401 and R402. First level of certificate program in Russian. Topic: the lexicon.

**W308-W358 Advanced Russian Syntax and Stylistics I-II (5-5 cr.)** Intensive Russian at the fifth-year level. Second level of certificate program in Russian. Topic: syntax.

**W309-W359 Advanced Russian Syntax and Stylistics III-IV (5-5 cr.)** Intensive Russian at the sixth-year level. Third level of certificate program in Russian. Topic: stylistics.

**W351 Summer Intensive Elementary Russian II (5 cr.)** P: R101 or permission of instructor/department. Intensive summer equivalent of R102 and W302. Credit given for only one of the following: W351, W302, R102.

**W352 Summer Intensive Intermediate Russian I (5 cr.)** P: W302 or R102 or permission of department. Intensive summer equivalent of R201. Credit given for only one of the following: W352, R201, W303.



**W353 Summer Intensive Intermediate Russian II (5 cr.)** P: W303 or R201 or permission of department. Intensive summer equivalent of R202. Credit given for only one of the following: W353, W304, R202.

**W354 Summer Intensive Advanced Intermediate Russian I (5 cr.)** P: R202 or W304 or W353 or permission of department. Intensive summer equivalent of R301. Credit given for only one of the following: W354, W305, R301.

**W355 Summer Intensive Advanced Intermediate Russian II (5 cr.)** P: R301 or W305 or W354 or permission of department. Summer equivalent of R302 or W306. Credit given for only one of the following: W355, W306, R302.

**W356 Summer Intensive Advanced Russian I (5 cr.)** P: R302 or W306 or W355 or permission of department. Intensive summer equivalent of R401. Credit given for only one of the following: W356, W307, or R401.

*Russian Literature and Culture in English Translation*

Knowledge of Russian not required.

**R123 Masterworks of Russian Short Fiction (3 cr.)** A & H, TFR 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.

**R223 Introduction to Russian Culture (3 cr.)** A & H, CSA 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.

**R263 Pushkin to Dostoevsky (3 cr.)** A & H, CSA 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.

**R264 Tolstoy to Solzhenitsyn (3 cr.)** A & H, CSA 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.

**R334 Tolstoy and Dostoevsky (3 cr.)** A & H, CSA 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.

**R345 Jewish Characters in Russian Literature (3 cr.)** A & H, CSA The "Jewish question," the identity and self-identity of Jewish characters from the standpoints of literary analyses, cultural ethnography, folklore and religious studies, and social and political history. Literary works of major nineteenth- and twentieth-century Russian writers provide the primary sources for the discussions.

**R349 Myth and Reality: Women in Russian Literature and in Life (3 cr.)** A & H, CSA 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.

**R352 Russian and Soviet Film (3 cr.)** A & H, CSA 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. II Sem.

*Other Slavic and East European Languages*

**A311 Intensive Elementary Albanian I (5 cr.)** No previous knowledge of Albanian required. Introduction of basic structures of contemporary Albanian language and culture. Reading and discussion of basic texts.

**A312 Intensive Elementary Albanian II (5 cr.)** P: A311. Introduction of basic structures of contemporary Albanian language and culture. Reading and discussion of basic texts.

**B101-B102 Elementary Bulgarian I-II (4-4 cr.)** No previous knowledge of Bulgarian required. Introduction to basic structure of contemporary Bulgarian language and culture. Reading and discussion of basic texts. B101, I Sem.; B102, II Sem., SS.

**C101-C102 Elementary Czech I-II (5-5 cr.)** P for C102: Grade of C or higher in C101, or equivalent. No previous knowledge of Czech required. Introduction to basic structure of contemporary Czech language and to culture. Reading and discussion of basic texts. C101, I Sem.; C102, II Sem., SS.

**C201-C202 Intermediate Czech I-II (3-3 cr.)** P: Grade of C or higher in C102 or equivalent. C or higher in C201 is prerequisite for C202. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills,

reading and discussion of short texts. C201, I Sem.; C202, II Sem.

**C301-C302 Advanced Intermediate Czech I-II (3-3 cr.)** P: Grade of B or higher in C202. B or higher in C301 is prerequisite for C302.

Development of oral and written fluency and comprehension in Czech language based on morphological, lexical, and syntactical analysis of contemporary textual materials. Credit not given for both C301 and C471, or for both C302 and C472.

**C311 Intensive Elementary Czech I (5 cr.)**  
Intensive summer equivalent of C101.

**C312 Intensive Elementary Czech II (5 cr.)**  
Intensive summer equivalent of C102.

**C313 Intensive Intermediate Czech I (5 cr.)**  
Intensive summer equivalent of C201.

**C314 Intensive Intermediate Czech II (5 cr.)**  
Intensive summer equivalent of C202.

**G101-G102 Elementary Georgian I-II (4-4 cr.)**

These courses cover every aspect of Georgian grammar (phonology, morphology, and syntax). By the completion of the courses, students should be able to read average unadapted Georgian texts (both fiction and nonfiction) with the aid of a dictionary. During the semester students will be encouraged to practice with a basic Georgian vocabulary in order to develop conversational skills. G101, I Sem.; G102, II Sem., SS.

**G311 Intensive Elementary Georgian I (5 cr.)**  
Intensive summer equivalent of G101.

**G312 Intensive Elementary Georgian II (5 cr.)**  
Intensive summer equivalent of G102.

**G313 Summer Intensive Intermediate Georgian I (5 cr.)** P: G312 or permission of department. Continuation of work in structure and vocabulary acquisition through exercises, work formation, drills, reading, and discussion. SSII

**G314 Summer Intensive Intermediate Georgian II (5 cr.)** P: G312 or G313 or permission of department. Continuation of work in structure and vocabulary acquisition through exercises, work formation, drills, reading and discussion. SSII

**K101-K102 Elementary Slovene I-II (4-4 cr.)**  
Intensive study of the structure of Slovene, for reading and speaking knowledge of language. No previous knowledge of a Slavic language required.

**K311 Intensive Elementary Slovene I (5 cr.)**  
Intensive summer equivalent of K101.

**K312 Intensive Elementary Slovene II (5 cr.)**  
Intensive summer equivalent of K102.

**M101-M102 Elementary Romanian I-II (5-5 cr.)**  
P for M102: Grade of C or higher in M101, or equivalent. No previous knowledge of Romanian required. Introduction to basic structure of contemporary Romanian language and to culture. Reading and discussion of basic texts. M101, I Sem.; M102, II Sem., SS.

**M201-M202 Intermediate Romanian I-II (3-3 cr.)** P: Grade of C or higher in M102 or equivalent. C or higher in M201 is prerequisite for M202. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills, reading, and discussion of short stories. M201, I Sem.; M202, II Sem.

**M311 Intensive Elementary Romanian I (5 cr.)**  
Intensive summer equivalent of M101.

**M312 Intensive Elementary Romanian II (5 cr.)**  
Intensive summer equivalent of M102.

**M313 Intensive Intermediate Romanian I (5 cr.)**  
Intensive summer equivalent of M201.

**M314 Intensive Intermediate Romanian II (5 cr.)**  
Intensive summer equivalent of M202.

**P101-P102 Elementary Polish I-II (5-5 cr.)**

P for P102: 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. P101, I Sem.; P102, II Sem., SS.

**P201-P202 Intermediate Polish I-II (3-3 cr.)**  
P: Grade of C or higher in P102 or equivalent. C or higher in P201 is prerequisite for P202. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills, reading, and discussion of short stories. P201, I Sem.; P202, II Sem.

**P301-P302 Advanced Intermediate Polish I-II (3-3 cr.)** P: Grade of B or higher in P202. B or higher in P301 is prerequisite for P302. 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.

**P311 Intensive Elementary Polish I (5 cr.)**  
Intensive summer equivalent of P101.

**P312 Intensive Elementary Polish II (5 cr.)**  
Intensive summer equivalent of P102.

**P313 Intensive Intermediate Polish I (5 cr.)**  
Intensive summer equivalent of P201.

**P314 Intensive Intermediate Polish II (5 cr.)**  
Intensive summer equivalent of P202.

**Q101 Elementary Macedonian I (5 cr.)**  
No previous knowledge of Macedonian language required. Introduction to basic structure of contemporary Macedonian and the culture of Macedonia. Reading and

discussion of basic texts. Credit given for only one of Q101 or Q311.

**Q102 Elementary Macedonian II (5 cr.)**

P: Q101 or Q311 or equivalent proficiency. Continuation of Q101. Introduction to basic structure of contemporary Macedonian and the culture of Macedonia. Reading and discussion of basic texts. Credit given for only one of Q102 or Q312.

**Q311 Intensive Elementary Macedonian I (5 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. SSII. Credit given for only one of Q311 or Q101.

**Q312 Intensive Elementary Macedonian II (5 cr.)**

P: Q311 or Q101. Continuation of Q311. Introduction to basic structure of contemporary Macedonian language and to its culture. Reading and discussion of basic texts. SSII. Credit given for only one of Q312 or Q102.

**S101-S102 Elementary Serbian and Croatian I-II (5-5 cr.)**

P for S102: Grade of C or higher in S101 or equivalent. 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. S101, I Sem.; S102, II Sem., SS.

**S201-S202 Intermediate Serbian and Croatian I-II (3-3 cr.)**

P: Grade of C or higher in S102 or equivalent. C or higher in S201 is prerequisite for S202. Continuation of work in structure and vocabulary acquisition through written exercises, study of word formation, drills, reading and discussion of short stories. S201, I Sem.; S202, II Sem.

**S301-S302 Advanced Intermediate Serbian and Croatian I-II (3-3 cr.)**

P: Grade of B or higher in S202. B or higher in S301 is prerequisite for S302. 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.

**S311 Intensive Elementary Croatian/Serbian I (5 cr.)**

Intensive summer equivalent of S101.

**S312 Intensive Elementary Croatian/Serbian II (5 cr.)**

Intensive summer equivalent of S102.

**S313 Intensive Intermediate Croatian/Serbian I (5 cr.)**

Intensive summer equivalent of S201.

**S314 Intensive Intermediate Croatian/Serbian II (5 cr.)**

Intensive summer equivalent of S202.

**V101-V102 Elementary Slovak I-II (4-4 cr.)**

Course develops proficiency in speaking, listening, reading, and writing. Students are taught phonetic transcription. Grammatical

concepts are introduced and reinforced through exercise drills and conversation. All of the cases are presented along with all verbal tenses. Special attention is devoted to verbal aspect in Slovak.

*Other Slavic Literatures and Cultures in English Translation*

Knowledge of Slavic languages not required.

**C223 Introduction to Czech Culture (3 cr.)**

A & H, CSA Introduction to history, literature, visual arts, music, film, and theatre of the Czechs.

**C363 History of Czech Literature and Culture (3 cr.)**

A & H, CSA 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.

**C364 Modern Czech Literature and Culture (3 cr.)**

A & H, CSA 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.

**C365 Seminar in Czech and Central European Literatures and Cultures (3 cr.)**

A & H, CSA 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.

**P223 Introduction to Polish Culture (3 cr.)**

A & H, CSA 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.

**P363-P364 Survey of Polish Literature and Culture I-II (3-3 cr.)**

A & H, CSA I: Polish literature in English translation from its origins to the end of the nineteenth century in its historical and sociopolitical context. II: 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. P363, I Sem.; P364, II Sem.

**P365 Topics in Polish Literature and Culture (3 cr.)**

A & H 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.

**R353 Central European Cinema (3 cr.)**

A & H, CSA 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.

**S223 Introduction to Balkan and South Slavic Cultures (3 cr.) A & H, CSA** 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.

**S363-S364 Literature and Culture of the Southern Slavs I-II (3-3 cr.) A & H, CSA** Survey of the history and cultures of the Croats, Slovenes, Serbs, Macedonians, and Bulgarians from prehistory to the present. Readings and lectures in English. S363, I Sem.; S364, II Sem.

#### *Related Courses*

See listings under "Russian and East European Institute."



## Sociology

### Faculty

**Chairperson** Professor Thomas Gieryn

**Rudy Professors of Sociology** E. Clem Brooks, Thomas Gieryn, Pamela Walters, Stanley Wasserman

**Chancellor's Professors** J. Scott Long, Bernice Pescosolido, Robert Robinson

**Robert H. Shaffer Professor** William Corsaro

**Allen D. and Polly S. Grimshaw Professor** Brian Powell

**Professors** Donna Eder, Pamela Jackson, Jane McLeod, Eliza Pavalko, Martin Weinberg, David Zaret

**Associate Professors** Arthur Alderson, Laurel Cornell, Patricia McManus

**Assistant Professors** Elizabeth Armstrong, Timothy Bartley, Timothy Hallett, Hofung Hung, Paulette Lloyd, Ethan Michelson, Fabio Rojas, Quincy Stewart, Brian Steensland, Leah VanWey

**Academic Advising** Ballantine Hall 749, (812) 855-4233

### Introduction

Sociology is the scientific study of social behavior as organized in systems of social relationships, institutions, and societies. It seeks to explain the manifestations of order, disorder, and change that characterize social life. Major subfields offered by the Department of Sociology (SOC) include social psychology, deviance and criminology, medical sociology, and the study of the family, schools, gender roles, ethnic and racial groups, and social classes.

### 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.

**Requirements** Students must complete 27 credit hours of course work as follows:

1. S100 or S110.
2. One additional course from S101, S105, S201, S210, S215, S217, S220, S230.
3. S370, S371, and S340.

4. Nine credit hours at the 300 or 400 level (excluding S340, S370, and S371).
5. Three additional credit hours at the 400 level (excluding S491, S492, S493, S494, S495, S498, and S499).

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

### **Interdepartmental Major in Sociology and Afro-American Studies**

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

#### **Sociology**

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

- a. One course from the following:
  - S100 Introduction to Sociology
  - S210 The Economy, Organizations, and Work
  - S215 Social Change
  - S230 Society and the Individual
- b. S110 Charts, Graphs, and Tables.
- c. S217 Social Inequality.
- d. S335 Race and Ethnic Relations.
- e. 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:

- a. A150 Survey of the Culture of Black Americans.
- b. A355 Afro-American History I or A356 Afro-American History II.
- c. A379 Early Black American Writing or A380 Contemporary Black American Writing.
- d. 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 Afro-American Problems I when it is taught.)

Students must 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 sociology, Ballantine Hall 749. Double majors should also consult the College of Arts and Sciences requirements.

### **Minor in Sociology**

**Requirements** Students must complete 15 credit hours of sociology; at least 9 credit hours must be taken on the Bloomington campus. Included in the 15 credit hours of sociology are

1. One of the following: S100, S105, S110, S201, S210, S215, S217, S220, S230.
2. Two sociology courses at the 300-400 level.
3. Two sociology courses 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.

**Requirements** 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 6 hours at the 300-400 level, from S210\*, S215, S217, S302\*, S305, S315\*, S335, S338, 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 can 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** Allows students to study divergent aspects of 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, will facilitate and certify a greater understanding of the social context of health in our society than could be achieved in a less integrated course of study. This is achieved through a multidisciplinary approach to health issues that establishes a bridge between the social sciences and health professionals.

**Requirements** The minor requires completion of 15 credit hours consisting of a minimum of 9 credits from approved College of Arts and Sciences courses, including:

1. S101 Topics in Social Programs and Policies (SOC). Approved section: Medicine in America
2. At least 6 additional credit hours of College courses within the social science and health concentration, of which 3 credit hours must be at 300-400 level.

An additional 6 credit hours, 3 credit hours of which must be at the 300-400 level; this may include up to 6 credit hours in approved courses offered outside the College, including up to 3 credit hours in IUPUI Medical Sociology and up to 3 credit hours in an IUB/IUPUI health-focused internship or field experience.

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. Eligible students must have 3.300 GPA or higher to begin the sociology honors program. To graduate with honors in

sociology, a sociology major must complete 9 credit hours of honors work in one of the following ways: enroll in the exploratory readings course (S495), complete a thesis in S498, and enroll in S499 Honors Thesis Seminar; or take a relevant upper-level or graduate course, enroll in either S495 or S498, and enroll in S499 Honors Thesis Seminar. Graduation with honors can be accomplished by completing the requirements in one of the ways listed above during the student's junior and senior years. A total of 30 credit hours in sociology is required for graduation with honors. Students may join the program no later than the first semester of their senior year.

## 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, Franklin Hall 303, (812) 855-9304 ([www.indiana.edu/~overseas](http://www.indiana.edu/~overseas)).

## Course Descriptions

**H100 Introduction to Sociology—Honors (3 cr.) S & H** Introduction to the central concepts, methods, and theoretical orientations of sociology. Develops a critical/analytical attitude toward societal institutions.

**S100 Introduction to Sociology (3 cr.) S & H** Introduction to the concepts and methods of sociology with an emphasis on understanding of contemporary American society.

**S101 Social Problems and Policies (3 cr.) 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.

**S105 Current Social Controversies (3 cr.) S & H** Selected controversies, their history, sociological evidence, solutions being debated in the United States and abroad, and the likely outcome of policies. Controversies such as population and the environment, war, childhood, poverty, and education will be examined.

**S110 Charts, Graphs, and Tables (3 cr.) 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.

**S201 Social Problems (3 cr.) S & H** Provides an in-depth examination of a range of social problems. Specific topics announced each semester. Examples include social aspects of disability, and violence in society. May be repeated with different topics for a maximum of 6 credit hours, but counted only once in the major toward departmental requirements.

**S210 The Economy, Organizations, and Work (3 cr.) 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.

**S215 Social Change (3 cr.) 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.

**S217 Social Inequality (3 cr.) 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.

**S220 Culture and Society (3 cr.) 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.

**S230 Society and the Individual (3 cr.) 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.

**S302 Organizations in Society (3 cr.) 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.

**S305 Population (3 cr.) 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.

**S308 Global Society (3 cr.) S & H** 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.

**S309 The Community (3 cr.) 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.

**S311 Politics and Society (3 cr.) 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.

**S312 Education and Society (3 cr.) 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.

**S313 Religion and Society (3 cr.) 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.

**S315 Work and Occupations (3 cr.) 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.

**S316 The Family (3 cr.) 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.

**S317 Inequality (3 cr.) 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.

**S319 Science, Technology and Society (3 cr.) 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.

**S320 Deviant Behavior and Social Control (3 cr.) 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.

**S321 Sexual Diversity (3 cr.) 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.

**S324 Mental Illness (3 cr.) 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.

**S325 Criminology (3 cr.) 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.

**S326 Law and Society (3 cr.) 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.

**S327 Language, Action, and Social Interaction (3 cr.) S & H P:** Consent of instructor. R: LING L205. Participants in social interaction use language to perform such activities as describing, telling stories, requesting, criticizing, apologizing, insulting, objecting, joking, greeting, and teasing. This

course concerns how participants accomplish these actions in talk and face-to-face interaction. Instruction may include use of video/audio recordings or computer analysis of interaction. Credit given for only one of S327 and LING L327.

**S329 Women and Deviance (3 cr.) 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.

**S335 Race and Ethnic Relations (3 cr.) S & H, CSA 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.

**S338 Gender Roles (3 cr.) 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.

**S339 Media and Society (3 cr.) 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.

**S340 Social Theory (3 cr.) 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.

**S344 Sociology of Childhood (3 cr.) 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.

**S346 Topics in Cross-Cultural Sociology (3 cr.) S & H, CSA P:** three 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.

**S359 Community-Based Research (3 cr.) S & H**

P: three credit hours of sociology or consent of instructor. Introduces students to a topic of sociology and to applied sociology through a community-based research project that addresses some community need. Hands-on experience in all stages of the project, including conceptualization, sampling, questionnaire construction, data collection, and analysis.

**S360 Topics in Social Policy (3 cr.) 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.

**S361 Cities and Suburbs (3 cr.) S & H**

P: 3 credit hours of sociology or consent of instructor. Introduction to theory and research on the changing scale and complexity of social organization (urbanization), the quality of life in urban areas, demographic and ecological city growth patterns, and public policy concerns in contemporary urban society.

**S370 Research Methods in Sociology (3 cr.)**

**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.

**S371 Statistics for Sociology (3 cr.) 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 the following: S351; K300; CJUS K300; ECON E370, S370; MATH K305, MATH/PSY K300, K310, or SPEA K300.

**S409 Social Context of Schooling (3 cr.) S & H**

P: S210, S230, S312, or consent of department. Interactional processes within schools and classrooms, focusing on ability grouping and curriculum tracking, educational decision making, peer group culture and interaction, and gender and ethnic differences in socialization.

**S410 Topics in Social Organization (3 cr.)**

**S & H P:** S210 or S340 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.

**S412 American Political Behavior (3 cr.)**

**S & H P:** S100, S210, S215, S340, or consent of department. Sociological and social-psychological antecedents, correlates, and consequences of political behavior, with emphasis on the American scene and politics of nongovernmental organizations.

**S413 Gender and Society (3 cr.) S & H P:** S210,

S230, S338, 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.

**S417 Conversation Analysis (3 cr.) S & H**

Sociological investigation of conversational interaction in ordinary life and institutional domains such as education, law, business, and medicine. Topics may include how participants open and close conversations, talk topically, deliver news, tell stories, accomplish goals and agendas, and communicate delicate matters. Students work with audio and video recordings of conversations.

**S419 Social Movements and Collective Action (3 cr.) S & H P:** S215 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.

**S420 Topics in Deviance (3 cr.) S & H P:** S210

or consent of department; may vary with topic. Specific topics announced each semester; e.g., crime, juvenile delinquency, law enforcement, corrections, mental illness, sexual deviance, drug use, violence, and physical disability. May be repeated three times for credit with a different topic.

**S422 Constructing Sexuality (3 cr.) S & H**

A sociological examination of a variety of forms of human sexuality from the perspectives of social constructionism and politics of sexuality.

**S427 Social Conflict (3 cr.) S & H P:** S210,

S230, S340, or consent of department. Origin, development, and termination of social conflict; its organizing and disorganizing effects; its control.

**S431 Topics in Social Psychology (3 cr.) S & H**

P: S230 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.

**S433 Adult Socialization (3 cr.) S & H**

P: S230 or consent of instructor. Socialization into adult roles, including marriage and family, occupation, sex, age, and ethnicity. Focuses on the nature of these roles, the organizational constraints involved, the agents of socialization, the organizational and individual consequences of outcomes, and the relationship between self structure and social structure in the process.

**S435 Social Psychology of the Self (3 cr.) S & H**

P: S230 or consent of department. The nature of the self and its development and consequences from various perspectives. Topics include identity dissolution, shame, guilt, anxiety, and alienation. Techniques of measurement and analysis of self-concept.

**S438 Childhood Socialization (3 cr.) S & H**

P: S230 or consent of department. Human learning and social development in childhood. Topics include review of theoretical approaches and research methods of childhood socialization, language acquisition and thought, interactive competence and self-development, culture/class variation in socialization, sex role development, and classroom socialization. Emphasis on transmission of cultural communication and acquisition of basic social skills by children.

**S439 Social Interaction (3 cr.) S & H**

Explores how social interaction modifies status and power structures, produces and reduces stress and affective fulfillment, and enables the accomplishment of work and organizational tasks. Topics covered may include nonverbal communication, cognitive structuring of interaction, the functioning of attitudes and emotions, presentations of self, and negotiation activities.

**S441 Topics in Social Theory (3 cr.) S & H**

P: S340 or consent of department. Topics may include structuralism, evolutionary theory, symbolic interaction theory, functionalism, social action theory, exchange theory, history and development of social theory, sociology of knowledge.

**S450 Topics in Methods and Measurement (3 cr.) S & H P: S371 or consent of department.**

Topics may include logic of inquiry, model construction and formalization, research design, data collection, sampling, measurement, statistical analysis.

**S491 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.

**S492 Sociological Research Practicum II (3 cr.)**

P: S491 or consent of instructor. Continuation of S491 with emphasis on analysis and report writing.

**S493 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.

**S494 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.

**S495 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.

**S498 Honors Thesis—Senior Independent Study for Honors Students (3 cr.)**

P: Consent of honors advisor and senior standing. Research and preparation of senior honors thesis. I Sem., II Sem.

**S499 Honors Seminar (3 cr.)**

P: Consent of honors advisor.

**Y398 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 (DUS) in 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 DUS in 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

## Faculty

**Chairperson** Professor Juan Carlos Conde

**Professors** Maryellen Bieder, Olga Impey, Catherine Larson, Consuelo López-Morillas, Kathleen Myers, Darlene Sadlier, Gustavo Sainz, Josep M. Sobrer

**Associate Professors** Mary Clayton, Deborah Cohn, Luis Dávila, Melissa Dinverno, Kimberly Geeslin

**Assistant Professors** Manuel Díaz-Campos, Patrick Dove, César Félix-Brasdefer, Carl Good, Emily Maguire, Alejandro Mejías-López, Luciano Namorato, Reyes Vila-Belda, Steven Wagschal, Erik Willis

**Academic Advising** Ballantine Hall 844, (812) 855-1157

## 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, Latin American studies, linguistics, medieval studies, Renaissance studies, and West European studies.

## Special Credit Option in Spanish

Automatic special credit of 4 credit hours is granted for S105 when a student tests into S200 or higher on the IUB Spanish placement exam. Three hours of special credit are granted for S200 for placement into and completion of S250 with a minimum grade of C-. A total of 6 hours of credit is granted for S200 and S250 for placement into and completion of S275 or S310 with a minimum grade of C-. Credit for Spanish S200 and/or S250 must be claimed by going to our Spanish and Portuguese Web site at [www.indiana.edu/~spanport/spddept.html](http://www.indiana.edu/~spanport/spddept.html) and submitting the form electronically. Special credit is never given for S275.

## Special Credit Option in Portuguese

Special credit for 100- and 200-level Portuguese courses must be earned by taking the course in which you are placed and completing it with a minimum grade of C- or higher. Placement into Portuguese is determined by meeting with the director of the Portuguese program and discussing your previous work in the language. Special credit is granted for courses earlier in the sequence once the course taken by the student is completed successfully with a grade of C- or higher. Special credit is given for courses up through P250. Credit for Portuguese must be

claimed by filling out the appropriate form in Ballantine Hall 844.

## Major in Spanish

**Requirements** Students must complete 33 credit hours for the major, including the following:

1. S250 and S275, or equivalent placement. Students who place into the S300 level are not eligible for S275 credit. As a result, they must take an additional 3 credits at the S300 or S400 level.
2. S310, S312, S326, and only two of the following: S331, S332, S333.
3. 9 credit hours at the 400 level; these 9 credits must include a minimum of 3 credit hours in literature and an additional 3 credit hours in either literature or linguistics. The final 3 credit hours may be in literature, linguistics, culture, or translation. The 9 credit hours must include at least one 3 credit hour course taken on the Bloomington campus.
4. One additional 3 credit hour elective in Spanish at the 300 or 400 level, or P135, or C400. The following cannot be used to fulfill this requirement: S421 or S494.

**Note:** 400-level linguistics courses are S425 and S428. Literature courses are S407-S408, S417, S418, S419, S420, S435, S450, S470, S471-S472, S473, S474, S479, and S480. Courses that count for either linguistics or literature depending on the topic are S495 and S498.

The following courses cannot be used to fulfill any portion of the major: S260, 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.

**Required Minor** Spanish majors must complete a minor of at least 15 credit hours of course work. Students may not use any courses from their Spanish 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, Spanish 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 will not count toward the minor. The minor requirement is waived for students who complete a double major.

### Major in Portuguese

**Requirements** Students must complete the following:

1. 25 credit hours in courses beyond P100-P150.
2. 12 credit hours of the 25 will be in 400-level courses, including 6 credit hours in literature. The 12 credit hours must include at least one 3 credit hour course taken 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 will not count toward the minor. The minor requirement is waived for students who complete a double major.

### Minor in Spanish

**Requirements** 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, S275, S310, and two additional courses at the 300 or 400 level. Students who place into the S300 level are not eligible for S275 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 300 and 400 level.

For detailed information about the options available to minors, consult the departmental office of undergraduate studies.

### Minor in Portuguese

**Requirements** 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 400 level courses; or one 400-level course and P290 with permission from the department.

**Note:** Native speakers of Portuguese are expected to complete the minor with course work at the 300 and 400 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 Honors Committee of the department solicits from the faculty nominations for the Honors Program and then screens and interviews the nominees in order to admit into the program those who are most likely to succeed. Students may, in addition, apply directly to the program by contacting the departmental honors advisor or the administrative undergraduate secretary. To be eligible, a student must ordinarily have an overall 3.350 grade-point average with a 3.500 average in their major 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 House

The department works with the Global Village Living Learning Center to offer residential and nonresidential programs for students with common interests in Spanish. Special events, films, and lectures contribute to the concept of

language study as a vital tool for communication and cultural understanding. The department sponsors the Spanish Table, where students with common interests in Spanish can meet and converse once a week. 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: **academic year** in Spain (Madrid), Argentina (Buenos Aires), Peru (Lima), Chile (Santiago, Valparaiso), Brazil (São Paulo, Bahia); **semester** in Spain (Alicante, Barcelona, Madrid, Salamanca, Seville), Chile (Santiago, Valparaiso), Peru (Lima), Brazil (São Paulo and Bahia), Mexico (Monterrey), Argentina (Buenos Aires), Dominican Republic (Santiago, Santo Domingo), Ecuador (Quito); and **summer** in Spain (Salamanca), Mexico (Guanajuato, Cuernavaca) and the Dominican Republic (Santo Domingo). For information about and prerequisites for these and other study abroad opportunities, contact the Information Center at the Office of Overseas Study, Franklin Hall 303, (812) 855-9304 or visit [www.indiana.edu/~overseas](http://www.indiana.edu/~overseas).

### Course Descriptions

#### *Spanish*

**S100 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.

**S105 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.

#### **S150 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.

#### **S175 Spanish for Hispanic Students I (4 cr.)**

Introductory course for U.S. Latino bilinguals; goal is to improve the students' oral, reading, and writing skills. Credit not given for both S175 and S150.

#### **S200 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.

#### **S220 Chicano and Puerto Rican Literature**

**(3 cr.) A & H, CSA** The bicultural reality of the Hispanic people in the U.S. as seen in their literature. Taught in English.

#### **S221 Spanish for Hispanic Students II (3 cr.)**

P: S175 or approval by the department. Intermediate course for U.S. Latino bilinguals; goal is to build on the student's spoken Spanish in order to develop confidence in the more formal aspects of the language. Emphasis on general standard grammatical structure and lexicon. Compositions on important topics of the Latino experience in the U.S. Relevant readings. Credit not given for both S221 and S200.

#### **S250 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.

#### **S260 Introduction to Hispanic Film (3 cr.)**

**A & H, CSA** Hispanic culture in film. Cinematic techniques used to portray Hispanic culture. Taught in English.

#### **S275 Introduction to Hispanic Culture (3 cr.)**

**CSA** P: S250 or equivalent. Practice of language skills through reading, writing, and discussion of Hispanic culture. Treats facets of popular culture, diversity of the Spanish-speaking world, and themes of social and political importance. Conducted in Spanish. I Sem., II Sem.

#### **S276 Spanish for Hispanic Students III (3 cr.)**

P: S221 or consent of department. Developmental course; goal is to enable the U.S. Latino students to accelerate their mastery of the Spanish language, especially with respect to reading and writing skills. Credit not given for both S276 and S250.

#### **S284 Women in Hispanic Culture (3 cr.)**

**A & H, CSA** Images, roles, and themes involving women in Hispanic literature. Taught in English.

**S290 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.

**S310 Spanish Grammar and Composition (3 cr.)**

P: S275 or equivalent. This course integrates the four basic language skills into both a review of the major points of Spanish grammar and a structured approach to composition. Course work will combine grammar exercises with the writing of compositions of increasing length and complexity. Credit given for only one of S310 or S311.

**S312 Introduction to Expository**

**Writing in Spanish (3 cr.)** P: S310 or S311 or equivalent. This course integrates the four basic language skills into a structured approach to composition, focusing principally on expository writing. Some review of Spanish grammar will be included. Students will write numerous compositions, increasing in length as the semester progresses. Emphasis will be on correct usage, stylistic control, and clarity of expression.

**S315 Spanish in the Business World (3 cr.)**

P: S310 or S311 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.

**S317 Spanish Conversation and Diction (3 cr.)**

P: S310, or S311, or equivalent. Meets five times a week. Intensive controlled conversation correlated with readings, reports, debates, and group discussions. May be repeated once for credit. S317 is not open to native speakers of Spanish. I Sem., II Sem.

**S326 Introduction to Spanish Linguistics**

**(3 cr.)** N & M P: 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.

**S331 The Hispanic World I (3 cr.)** A & H, CSA

P: S310 or S311 or equivalent. Study of Hispanic literature and culture through the analysis and discussion of representative literary works from Spanish America. Includes an introduction to narrative, poetry, and theater. Taught in Spanish. Credit given for only two of the following: S331, S332, S333.

**S332 The Hispanic World II (3 cr.)** A & H, CSA

P: S331 or S333. Study of Hispanic literature and culture through the analysis and discussion of representative literary works from Spain. Includes an introduction to narrative, poetry,

and theater. Taught in Spanish. Credit given for only two of the following: S331, S332, S333.

**S333 The Hispanic World (3 cr.)** A & H, CSA

P: S310 or S311 or equivalent. Study of Hispanic literature and culture through the analysis and discussion of representative literary works from both Spanish America and Spain. Includes an introduction to narrative, poetry, and theater. Taught in Spanish. Credit given for only two of the following: S331, S332, S333. S333 offered SS only.

**S407 Survey of Spanish Literature I (3 cr.)**

A & H P: S331-S332. 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.

**S408 Survey of Spanish Literature II (3 cr.)**

A & H P: S331-S332. 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.

**S411 Spain: The Cultural Context (3 cr.)**

A & H, CSB P: S331 or equivalent. A course to integrate historical, social, political, and cultural information about Spain. II Sem.

**S412 Spanish America: The Cultural Context**

**(3 cr.)** A & H, CSA P: S331 or equivalent. A course that integrates historical, social, political, and cultural information about Spanish America. I Sem.

**S413 Hispanic Culture in the United States**

**(3 cr.)** A & H, CSA P: S331 or equivalent. Integrates historical, racial, political, and cultural information about Hispanics in the United States.

**S417 Hispanic Poetry (3 cr.)** A & H P: S331-

S332. Study of major aspects, movements, or directions of Hispanic poetry from the Middle Ages to the present.

**S418 Hispanic Drama (3 cr.)** A & H P: S331-

S332. Forms, traditions, themes, and periods of Hispanic drama from the Renaissance to the present.

**S419 Modern Spanish Prose Fiction (3 cr.)**

A & H P: S331-S332. Spanish prose fiction from mid-nineteenth-century realism through post-Spanish Civil War narrative innovations.

**S420 Modern Spanish-American Prose**

**Fiction (3 cr.)** A & H P: S331-S332. Spanish-American prose fiction from late nineteenth-century modernism to the present.

**S421 Advanced Grammar and Composition**

**(2 cr.)** Selected grammar review and intensive practice in effective use of the written language.

**S423 The Craft of Translation (3 cr.)**

P: S332, S312, or consent of instructor.

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.

**S425 Spanish Phonetics (3 cr.) N & M**

P: S310 and 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.

**S428 Applied Spanish Linguistics (3 cr.)**

P: S310 and S326 or equivalent or consent of instructor. Analysis of linguistics and cultural elements of Spanish morphology, syntax, and semantics as they bear on teaching. Usually offered I Sem.

**S435 Literatura Chicana y Puertorriqueña (3 cr.) A & H P:** S331-S332. 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.

**S450 Don Quixote (3 cr.) A & H P:** S331-S332. 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.

**S470 Women and Hispanic Literature (3 cr.)**

**A & H P:** S331-S332 or equivalent. Hispanic woman within her cultural context through literary texts. Topics such as women authors, characters, themes, and feminist criticism.

**S471-S472 Spanish-American Literature I-II (3-3 cr.) A & H P:** S331-S332 or equivalent.

Introduction to Spanish-American literature.

**S473 Hispanic Literature and Literary Theory (3 cr.) A & H P:** S331-S332

Studies literature as an art form within the Hispanic tradition. Employs critical methodology and textual interpretation and analysis to exemplify theory of each genre.

**S474 Hispanic Literature and Society (3 cr.)**

**A & H P:** S331-S332. Writers and their works in social, political, economic, and cultural context. Specific topic to be announced in the online *Schedule of Classes*.

**S479 Mexican Literature (3 cr.) A & H P:** S331-

S332 or equivalent. Mexican literature from independence to the present.

**S480 Argentine Literature (3 cr.) A & H**

**P:** S331-S332 or equivalent. Argentine literature from independence to the present.

**S494 Individual Readings in Hispanic**

**Studies (1-3 cr.) P:** Consent of department.

May be repeated once with a different topic for a maximum of 6 credit hours. This course cannot be used for the Spanish 300/400 level requirement for the major or minor. I Sem., II Sem., SS.

**S495 Hispanic Colloquium (1-3 cr.) P:** consent

of department. Topic and credit vary. May be taken twice for credit as long as topic is different. I Sem., II Sem., I, II SS.

**S498 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. Permission to take the course must be obtained from the departmental honors advisor.

**S499 Honors Research in Spanish (1-3 cr.)**

**P:** approval of the honors advisor. I Sem., II Sem.

*Portuguese***P100-P150 Elementary Portuguese I-II (4-4 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.

**P115 Portuguese for Business (3 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.

**P135 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.

**P200-P250 Second-Year Portuguese I-II (3-3 cr.)**

**P:** P150 or equivalent. Continuation of P100-P150, with increased emphasis on communicative exercises and selected readings. Attendance in the language laboratory may be required.

**P290 Topics in Luso-Brazilian Culture (3 cr.)**

Emphasis on one topic, author, or genre in Luso-Brazilian culture. May be repeated once for credit with different topic. No knowledge of Portuguese required.

**P311 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.

**P317 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.

**P400 Literatures of the Portuguese-Speaking World I (3 cr.) A & H, CSA** 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.

**P401 Literatures of the Portuguese-Speaking World II (3 cr.) A & H, CSA** 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.

**P405 Literature and Film in Portuguese (3 cr.) A & H, CSA** Survey of literary works and film adaptations from the Lusophone world.

**P410 Brazilian Cinema (3 cr.) A & H, CSA** A survey of Brazilian cinema from the beginning of the twentieth century to present day. Taught in English.

**P412 Brazil: The Cultural Context (3 cr.) A & H, CSA** Integrates historical, social, and cultural information about Brazil. Taught in English.

**P415 Women Writing in Portuguese (3 cr.) A & H** A survey of women's writing from different Portuguese-speaking nations.

**P420 Literatures of the Portuguese-Speaking World in Translation (3 cr.) 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.

**P425 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.

**P470 Poetry in Portuguese (3 cr.) A & H, CSA** Historical survey of poetry in Portuguese. Emphasis on major authors from Brazil, Portugal, and Lusophone Africa.

**P475 Theater in Portuguese (3 cr.) A & H, CSA** A survey of theater 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.

**P476 Prose in Portuguese (3 cr.) A & H** Survey of prose writers and works from the middle ages to the present.

**P494 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.

**P495 Luso-Brazilian Colloquium (1-3 cr.) P:** Consent of the department. Topic and credit vary. This course may be repeated with different topics for a maximum of 12 credit hours.

**P498 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.

**P499 Honors Research in Portuguese (1-3 cr.) P:** Approval of the director of Portuguese Studies. I Sem., II Sem.

#### *Catalan*

**C400 Catalan Language and Culture I (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.

**C410 Catalan Language and Culture II (3 cr.) P:** C400 or consent of instructor. Designed to bridge the gap between C400 and C450 as well as prepare the student for graduate courses. Intensive reading course with works from modern literature as texts. Language study and grammar review will be developed in order to facilitate reading. Does not count toward the major in Spanish or Portuguese.

**C450 Catalan Literature (3 cr.) A & H P:** C400 or consent of instructor. Survey of Catalan literature from the Middle Ages to the present. Significant works in all genres will be studied within their historical and cultural context. Issues of nation-formation, hegemony, biculturalism, and marginalizations will be paid special attention.

**C494 Individual Readings in Catalan Studies (1-3 cr.) P:** consent of department. May be repeated once with a different topic for a maximum of 6 credit hours. I Sem., II Sem.

#### *Courses for Graduate Reading Knowledge*

**S491 Elementary Spanish for Graduate Students (3 cr.)** Introduction to structure of the language necessary for reading, followed by reading in graded texts of a general nature.

**S492 Readings in Spanish for Graduate Students (4 cr., undergrad.; 3 cr., grad.) P:** S491 or consent of department.



# Speech and Hearing Sciences

## Faculty

**Chairperson** Professor Karen Forrest

**Professors** Phil Connell, Judith Gierut, Larry Humes, Diane Kewley-Port

**Emeritus Professors** Jean Anderson, Moya Andrews, Mary Elbert, Aubrey Epstein, Nicholas Hipskind, Donald Robinson (Psychology), Kennon Shank, Charles Watson

**Adjunct Professors** Eric Blom (SLP, Private Practice), Daniel A. Dimnsen (Linguistics), Steven Franks (Linguistics), James Miller (Emeritus, C.I.D.), Charles Schmidt (Music), John Seward (ENT), Carrick Talmadge (ENT, University of Mississippi), Hiroya Yamaguchi (ENT, Private Practice)

**Emeritus Clinical Professor** E. Gene Ritter

**Associate Professors** Raquel Anderson, Lisa Gershkoff-Stowe, Laura Murray, William Shofner, Robert Withnell

**Adjunct Associate Professors** Allan Diefendorf (Audiology, IU Medical Center), Karen I. Kirk (Audiology, IU Medical Center)

**Clinical Professor** Elizabeth McCrea

**Clinical Associate Professors** Nathan Amos, Nancy Barlow, Ann Densmore, Rebecca Eberle, Laura Karcher

**Emeritus Clinical Associate Professors** Pat Cromer-Grossman, Audrey Heller, Dorothy Saltzman

**Adjunct Clinical Associate Professors** Anna M. Dusick (Pediatrics), Frances Hobson (ENT, Private Practice), Betty U. Watson (Psychology, Private Practice)

**Associate Scientist** Gary Kidd

**Assistant Professors** Julie Anderson, Theresa Burnett, Rachel Frush Holt, Jennifer Lentz, Julien Musolino

**Clinical Assistant Professors** Gretchen Burk, Amy Cornwell, Carolyn Garner, Lisa Goerner

**Adjunct Clinical Assistant Professors** Mary Gospel (SLP, Private Practice), Jesse Phillips (ENT, Private Practice), Lance Trexler (Neuropsychology, Indianapolis Community Hospital)

**Assistant Scientists** Matthew Burk, Michelle Morrisette

**Lecturer** Gary M. Jackson

**Clinical Lecturers** Angela Banks-Stewart, Bettina Manuel, Joseph Murray, Wayne Mnich, Julia Rademacher, Dana Wilson

**Adjunct Clinical Lecturer** Doreen Devitt (Stone Belt Center)

**Academic Advising** Becky Appelman, Speech and Hearing Center C138, (812) 855-4864

## 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 Hearings 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.

## Major in Speech and Hearing Sciences—B.A.

Students may choose one of three tracks for the B.A. with a major in Speech and Hearing Sciences.

### General Speech and Hearing Major

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.

**Requirements** Students must complete the degree requirements of the College of Arts and Sciences and the following:

1. SPHS S110 or S115.
2. SPHS S111 and S275.
3. SPHS S433.
4. 15 additional credit hours from the following Speech and Hearing Sciences courses: A100, A150, S201, S302, S307, S319, S371, S378, S420, S430, S436, S444, S461, S473, S474, S478.

### Pre-Professional Major with a Concentration in Audiology and Hearing

**Requirements** Students must complete the degree requirements of the College of Arts and Sciences and the following:

1. SPHS S110 or S115.
2. SPHS S111, S275, S302, S319, S333.
3. Linguistics L103 or L303.
4. PSY P101-P102 or P151-P152 or P106.
5. PSY K300.
6. SPHS S371.
7. SPHS S378, S474, S478.
8. One course chosen from the following: SPHS S307, S420, S430, S436, S444, S473.
9. A minimum of 15 credit hours of courses taken to satisfy requirements 6, 7, and 8.

## Pre-Professional Major with a Concentration in Speech-Language Pathology

**Requirements** Students must complete the degree requirements of the College of Arts and Sciences and the following:

1. SPHS S110 or S115.
2. SPHS S111, S275, S333.
3. LING L103 or L303.
4. PSY P101-P102 or P151-P152 or P106.
5. PSY K300.
6. SPHS S201.
7. One course chosen from the following: SPHS S378, S474, or S478.
8. Four courses (12 credit hours) from the following: SPHS S307, S420, S430, S436, S444, S473.
9. One of the following course sequences to fulfill course work in the area of acoustics:
  - a. S319
  - b. S319 and S302
  - c. S302 and P109
  - d. P105 and P106

A minimum of 18 credit hours of course work must be taken to satisfy requirements 6, 7, and 8.

*In addition to the requirements listed above, students in either pre-professional major are encouraged to consider taking courses from the following list: Speech and Hearing Sciences S311, S461, S462.*

## 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.

**Requirements** 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.
2. Mathematical foundation, two courses:
  - a. One course from MATH A118, M118, S118, M119, M120, or any "M" course at the 200 level or higher.
  - b. SPHS S319.
3. Foreign language, 3 credit hours (or the equivalent) at or above the second-year level.
4. Arts and humanities, two courses.

5. Social and historical studies, two courses, including PSY P102 (or P152).
6. Natural and mathematical sciences (32 credits):
  - a. Physics P109
  - b. PSY P101 (or P151), K300, P329, P335 (or COGS Q301).
  - c. 3 credits in Biology or ANAT A215 or PHSL P215
  - d. 3 credits in Physics or Chemistry
  - e. 12 additional credits from other natural and mathematics courses not in Speech and Hearing Sciences excluding the following: MATH A118, M118, S118, M119, and M120.
7. Speech and Hearing Sciences courses: S110, S111, S275, S302, S333 (or S433), 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 S370, S371, S373, S376, S378, S474, 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 L103 or L303.
2. SPHS S201, S307, S420, S444, and one of the following: S430, S461, S473.

## Interdepartmental Major in Speech and Hearing Sciences and Linguistics (Focus on Speech Technology)

**Requirements:** 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 S110 Survey of Communication Disorders (3 cr.)
2. SPHS S319 Mathematical Foundation for Speech and Hearing Sciences (3 cr.)
3. SPHS S302 Acoustics for Speech and Hearing Sciences (3 cr.) or LING L306 (see below)
4. At least 6 additional credit hours in SPHS at the 300 level or above

**Linguistics**

1. LING L303 Introduction to Linguistic Analysis (3 cr.)
2. LING L445 The Computer and Natural Language (3 cr.)
3. LING L306 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 courses (or an approved substitute):
  - a. PSY P325 Psychology of Learning (3 cr.)
  - b. PSY P329 Sensation and Perception (3 cr.)
  - c. PSY P335 Cognitive Psychology (3 cr.)
  - d. CSCI C212 Introduction to Software Systems (4 cr.)
  - e. CSCI C241 Discrete Structures for Computer Science (3 cr.)
  - f. COGS Q240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.)
  - g. COGS Q270 Experiments and Models of Cognition (4 cr.)
  - h. COGS Q320 Computation and Cognitive Science (4 cr.)
  - i. COGS Q351 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.

**Interdepartmental Major in Speech and Hearing Sciences and Psychology**

**Requirements** 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, S319, S333.
3. S201 or S371.
4. At least three courses from: S307, S378, S420, S436, S444, S474, S478.

**Psychology**

1. One of the following entry-level sequences:
  - a. P151 (3 cr.), P152 (3 cr.), P199 (1 cr.) and P211 (2 cr.) or
  - b. P106 (4 cr.), and P199 (1 cr.) or
  - c. P101 (3 cr.), P102 (3 cr.), P199 (1 cr.), and P211 (2 cr.)

2. PSY K300 or K310 or a substitute approved by the undergraduate advisor
3. Area A: 3 credit hours from P303, P325, P326, P327, P329, P330, P335, P340, P349, P350, P402 (depending on topic), P405, P407, P410, P411, P413, P416, P417, P423, P438, P444, P459
4. Area B: 3 credit hours from P315, P316, P319, P320, P323, P324, P336, P375, P402 (depending on topic), P425, P430, P434, P442, P446, P447, P448.
5. Advanced laboratory: one from P421, P424, P426, P427, P428, 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.
7. At least three of the required 300-level psychology courses must be designated as "major section only."

**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.
2. A one-semester course in biology.
3. Linguistics L103 or L303.

**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 or clinical doctoral degree in audiology. It is recommended that students seeking preparation for graduate study in speech-language pathology include in their curriculum S201, S420, S436, S444, S461, S473, and S478. Students seeking preparation for graduate study in audiology are recommended to select their curriculum to include these courses: S371, S378, S436, S478; and either S420 or S444. In addition, students planning to work in the school system following graduate study may elect to take EDUC M463 Public School Methods in preparation for school certification. Selection of these courses will minimize the time required to earn an M.A. degree at Indiana University and in other similarly structured graduate programs. It is also recommended that students take at least one course outside of the department in the following areas: biological sciences and physical sciences.

**Minor in Speech and Hearing Sciences**

Undergraduates wishing to minor in speech and hearing sciences with a general focus must take a minimum of 15 College of Arts and

Sciences credit hours to include S110 (or S115), S275, S433, and two of the following courses: A200, S302, S319, S430, S444, or S478. At least 6 credit hours of courses at the 300-400 level are required.

### **Minor in Speech and Hearing Sciences (Pre-Professional)**

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; S433 or S333; S201 or S371; and one of the following courses: S302, S307, S319, S378, S420, S430, S436, S444, S474, S478. At least 6 credit hours of courses 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 is designed to permit 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**

#### **A100 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.

#### **A150 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.

#### **A200 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.

#### **A300 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. This course will not count as part of the 42 credit hours taken in the department by speech and hearing sciences majors.

#### **S110 Survey of Communication Disorders**

**(3 cr.) 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.

#### **S111 Phonetics of American Speech**

**(3 cr.) N & M** Scientific study of American pronunciation based on International Phonetic Alphabet. Introduction to basic acoustic phonetics. Exercises in transcription.

#### **S115 Honors Seminar (1-3 cr.) N & M**

An undergraduate seminar targeting Hutton Honors College freshmen and sophomores. Topics covered vary from year to year, but the format consistently allows for in-depth exploration of puzzles, mysteries, and controversies in speech and hearing sciences. May be repeated twice with different topics for a maximum of 6 credit hours.

#### **S201 Speech Anatomy and Physiology**

**(3 cr.) N & M** Anatomy and physiology of the speech mechanism; contemporary views of speech physiology; subsystems of the speech mechanism—respiratory, laryngeal, and supraglottal—integrated with a model of speech production. Laboratory experiences.

#### **S275 Human Hearing and Communication**

**(3 cr.) R:** S111. Development of the auditory system and landmarks of auditory behavior, types of hearing loss, intake and exit interviewing techniques, audiometric standards, pure tone audiometry, acoustic impedance measurements, screening for auditory disorders, and speech audiometry. Effect of age and aging on oral communication, counseling the hearing impaired, strategies in selecting hearing aids, recommending auditory training, speech reading, and manual communication.

**S290 Spoken Language Computer Interfaces (3 cr.) N & M P:** MATH M025 or above.

R: CSCI A110 or I101 or equivalent. The goal is to develop knowledge and competence in manipulating speech and language in computers. Basic principles and applications of voice input and output interfaces are taught. Topics include speech processing, synthesis and recognition, spoken-language interfaces, language translation, and Internet voice applications. Assignments are primarily laboratories and projects.

**S302 Acoustics for Speech and Hearing Sciences (3 cr.) 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.

**S307 Cognitive and Communicative Aspects of Aging (3 cr.) 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.

**S311 Introduction to Research in Speech, Language and Hearing Sciences (3 cr.)**

R: K300. Introduction to research methodology in the field, 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.

**S319 Mathematical Foundation for Speech and Hearing Sciences (3 cr.) N & M P:** MATH A118, M118, S118, M119, M120, or any 200-level mathematics course. This course will provide the mathematical background for core courses in speech and hearing sciences. The material covered includes analysis and generation of periodic and aperiodic acoustic signals and decision theory. Course work will focus on interactive, project-oriented modules.

**S333 Survey of Children's Language Development (3 cr.)** Introduction to theories and research relating to normal development of phonology, syntax, semantics and pragmatics in children from birth to the preschool years. Discussion of fundamental issues such as biological and environmental influences on language development, the relation between language and thought and the relation between language to the rest of cognition. Open to speech and hearing sciences majors only.

**S370 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.

**S371 Auditory Anatomy and Physiology (3 cr.)** Structure and function of the normal and hearing-impaired ear.

**S373 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.

**S376 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.

**S378 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.

**S399 Reading and Research for Honors (1 cr.)** P: Junior standing and approval of departmental honors committee.

**S415 Seminar in Speech and Hearing Sciences (1-6 cr.)** P: Minimum cumulative grade point average of 3.0. Readings, experiments, and reports in area of student's special interest. May be repeated with a different topic for a maximum of 6 credit hours.

**S420 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.

**S430 Diversity in Speaking and Acting (3 cr.)** S & H, CSA Issues pertaining to cultural and linguistic diversity with emphasis on professional and clinical communication. Linguistic variation, including vernacular dialects and bilingualism, cultural variation, cross-cultural communication and the relationship between language and culture will be covered.

**S433 Childhood Language (3 cr.)** N & M R: LING L103 or L303. Foundations of research and theory pertaining to the normal language learning process. Focuses on young children. Explores the implications of language development and cognition. Credit not given for both S333 and S433.

**S436 Language Disorders in Children (3 cr.)** P: S333 or S433. 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.

**S444 Voice and Fluency in Children (3 cr.)** R: S111, S201. Survey of theory and research relevant to the maturation of vocal behavior and prosodic patterns (including rate and fluency) from infancy through adolescence. Identification of characteristics of typical and atypical vocal behavior in interpersonal interactions. Observation and analysis of characteristics and discussion of types of intervention.

**S461 Introduction to Supervised Clinical Practice (2 cr.)** P: S333 or S433. Introduction to the clinical process, with emphasis on behavioral observation and description, goal planning, analysis of clinical interactions, and the generation and use of clinical data to solve clinical problems. Development of a conceptual framework for active participation in the supervisory process. Limited clinical participation.

**S462 Seminar/Practicum (1-3 cr.)** P: S461. Beginning practicum experience in speech and language pathology, with seminar. May be repeated once for credit for a maximum of 6 credit hours.

**S473 Speech and Language Diagnostics (3 cr.)** Theoretical bases of speech/language assessment, including concepts of testing and measurement, formal and informal evaluation techniques, and normative and non-normative approaches. Required accompanying laboratory provides observation and experience with specific assessment procedures.

**S474 Introduction to Audiological Testing (4 cr.)** P: S275. Rationale and basic procedures in the evaluation of hearing loss. Laboratory exercises.

**S477 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.

**S478 Rehabilitative Audiology (3 cr.)** P: S275. Application of methods and procedures for management of the individual with a hearing impairment. Includes language, speech, auditory training, speech-reading, and subject-matter tutoring.

**S480 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.

**S499 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.



# Telecommunications

## Faculty

**Chairperson** Professor Walter Gantz

**Professors** Barbara Cherry, Annie Lang, David Waterman

**Clinical Professor** Ronald Osgood

**Associate Professors** Erik Bucy, Edward Castronova, Elizabeth Grabe, Michael McGregor, Harmeet Sawhney, Herbert Terry

**Clinical Associate Professor** Thomas Gillespie

**Assistant Professors** Andrew Bucksbarg, Mark Deuze, Julia Fox, Bryant Paul, Robert Potter, Lee Sheldon, Andrew Weaver

**Clinical Assistant Professor** James Krause

**Senior Lecturer** Robert Affe

**Lecturers** Norbert Herber, Susan Kelly, Steven Krahnke

**Academic Advisors** Lynda Haywood-Smith, Jeanne Myers, Radio-TV Center 240, (812) 855-3828

## 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, and the Internet. 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; and (3) the business, legal, and managerial aspects of telecommunications.

WFIU-FM and WTIU-TV, university-owned broadcast stations, and instructional conferencing 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.

## 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.

**Requirements** Once admitted, students plan a program of study with the academic advisors. Faculty 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 15 credit hours at the 300-400 levels.

Students may earn only one of the following four credentials: major in telecommunications, minor in telecommunications, Area Certificate in Game Studies, or Area Certificate in New Media and Interactive Storytelling.

## Business Minor for Telecommunications Majors

Telecommunications majors may earn a minor, designed specifically for telecommunications majors, in 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

#### Kelley School of Business

A200 Foundations of Accounting (3 cr.)

L201 Legal Environment of Business (3 cr.)

Z302 Managing and Behavior in Organizations (3 cr.)

#### Choose two from the following to make a total of 15 credits:

G300 Introduction to Managerial Economics (3 cr.)

G406 Business Enterprise and Public Policy (3 cr.)

L409 Law and the Environment (3 cr.)

L312 The Ethical Responsibilities of Business (3 cr.)

M300 Introduction to Marketing (3 cr.)

M303 Marketing Research (3 cr.)

- M405 Buyer Behavior (3 cr.)  
 M415 Advertising and Promotion Management (3 cr.)  
 M429 Legal Aspects of Marketing (3 cr.)  
 W430 Organizations and Organizational Change (3 cr.)  
 Z440 Personnel-Human Resource Management (3 cr.)

**Recommended Course** (does not count toward 15 credit hour business minor):  
 ECON E201 Introduction to Microeconomics (3 cr.)

### 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 6 credit hours at the 300-400 level.

### Area 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 an area certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. The Area Certificate in Game Studies is available to students outside the telecommunications major or minor.

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

##### Telecommunications (13 credit hours)

- T160 Videogames: History and Social Impact (3 cr.)  
 T206 Introduction to Design and Production (3 cr.)  
 T284 Introduction to Interactive Media Design (3 cr.)  
 T367 Theory and Practice of Game Design (3 cr.)  
 T460 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

- A116 Multimedia Communications (1.5 cr.)  
 A201 Introduction to Programming (4 cr.)

##### Fine Arts

- T220 Video Art (3 cr.)  
 T230 Computer Art (3 cr.)  
 T330 Computer Art II (3 cr.)

##### Telecommunications

- T260 The Videogame Industry (3 cr.)  
 T353 Audio Production (3 cr.)

- T361 Interactive Transmedia Design (3 cr.)  
 T364 Introduction to 3D Digital Modeling and Animation (3 cr.)  
 T366 Multiplayer Game Design (3 cr.)  
 T369 Sound Design (3 cr.)  
 T433 Advanced Projects in Web Design (3 cr.)  
 T461 Advanced Interactive Transmedia Design (3 cr.)  
 T464 Advanced 3D Digital Modeling and Animation (3 cr.)

##### Theatre and Drama

- T438 Lighting Design (3 cr.)

##### Jacobs School of Music

- Z361 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.

### Area 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 an area certificate as part of completing the bachelor's degree and in addition to completing requirements for a major. The Area 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

#### Telecommunications (15 credit hours)

- T206 Introduction to Design and Production (3 cr.)  
 T283 Introduction to Production Techniques and Practices (3 cr.)  
 T284 Introduction to Interactive Media Design (3 cr.)  
 T471 Applying Theory to Media Design (3 cr.)  
 T495 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

- C337 New Media (3 cr.)

#### Computer Science

- A116 Multimedia Communications (1.5 cr.)  
 A201 Introduction to Programming I (4 cr.)  
 A348 Mastering the World Wide Web (3-4 cr.)  
 B481 Interactive Graphics (4 cr.)

#### Fine Arts

- T220 Video Art (3 cr.)  
 T230 Computer Art: Survey and Practice (3 cr.)  
 T330 Interactive Multimedia II (3 cr.)

#### Telecommunications

- T193 Passport to Cyberia: Making the Virtual Real (3 cr.)  
 T353 Audio Production (3 cr.)  
 T354 Program Graphics and Animation (3.0 cr.)  
 T361 Interactive Transmedia Design (3 cr.)  
 T364 Introduction to 3-D Digital Modeling and Animation (3 cr.)

#### Theatre and Drama

- T438 Lighting Design (3 cr.)

#### School of Informatics

- I300 Human-Computer Interaction (3 cr.)  
 I450 Design and Development of an Information System (3 cr.)

#### Jacobs School of Music

- Z361 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 *Schedule of Classes* 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 is 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 Telecommunications credits while studying abroad. For more information about study abroad, contact the Office of Overseas Study, Franklin Hall 303, (812) 855-9304; [www.indiana.edu/~overseas](http://www.indiana.edu/~overseas).

### Course Descriptions

#### T101 Living in the Information Age

**(3 cr.) S & H** Assesses how developments in communications systems and technology affect our lives today and may affect them tomorrow. Reviews underlying technologies. Considers implications for individuals, institutions, and society from psychological, sociological, legal/political, business/economic, and cultural perspectives. Open to nonmajors. Credit not given for both T101 and T204.

#### T160 Videogames: History and Social Impact

**(3 cr.) 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.

#### T191 Race, Ethnicity, and Media (3 cr.)

**S & H, CSA** 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 C201.

#### T192 Women and the Media (3 cr.) S & H

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 C203.

#### T193 Passport to Cyberia: Making the

**Virtual Real (3 cr.) A & H, TFR** 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.

**T195 Topical Seminar in Telecommunications (3 cr.) S & H** Exploration of problems and issues of telecommunications in contemporary society. Topics vary. May not be repeated for credit.

*Media and Society Area*

**T205 Introduction to Media and Society (3 cr.) 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.

**T311 Media History (3 cr.) 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.

**T312 Politics and the Media (3 cr.) 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.

**T313 Comparative Media Systems (3 cr.) 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.

**T314 Telecommunications Processes and Effects (3 cr.) 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.

**T316 Media Ethics and Professional Responsibility (3 cr.) 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.

**T317 Children and Media (3 cr.) 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.

**T410 Sex in the Media (3 cr.) 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.

**T414 Public Communication Campaigns (3 cr.) 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.

**T416 Program Analysis and Criticism (3 cr.) 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.

**T424 Telecommunications and the Constitution (3 cr.) 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.

**T427 International Telecommunications (3 cr.) 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.

**T445 Sports and Television (3 cr.) 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.

**T451 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.

**S451 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.

**T471 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*

**T206 Introduction to Design and Production (3 cr.) 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.

**T211 Writing for Electronic Media (3 cr.)**

Style, form, and preparation of written materials for electronic media.

**T283 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.

**T284 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.

**T330 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.

**T331 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.

**T351 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.

**T353 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.

**T354 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.

**T356 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.

**T361 Interactive Transmedia Design (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 (such as Flash and Director) and the programming languages that support them. Lab fee required.

**T364 Introduction to 3-D 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.

**T366 Multiplayer Game Design (3 cr.)**

P: Consent of instructor. Introduction to game design utilizing languages such as Java. Presumes knowledge of basic programming languages. Students will learn the fundamentals of exchanging data over the Internet and will complete several multiplayer networked games. Lab fee required.

**T367 Theory and Practice of Game Design (3 cr.)**

P: three previous telecommunications courses, each with a grade of C- or higher, or consent of instructor. 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.

**T369 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 non-linear media (video, animation, games and interactive content). Explores basic concepts of sound in the context of audio-visual relationships through production and analysis. Develops media communication skills through the use of sound and image. Lab fee required.

**T431 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.

**T433 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 Web site for a real client either individually or in groups. Lab fee required.

**T435 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.

**T436 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. May be repeated, with different topics, for a maximum of 6 credit hours. Lab fee required.

**T437 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, post-production, critical and audience evaluation of programs for broadcast. Develop professional working relationships and portfolio. Lab fee required.

**T452 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 for a maximum of 6 credit hours.

**S452 Honors Seminar in Design and Production (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 for a maximum of 9 credit hours.

**T454 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.

**T460 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.

**T461 Advanced Interactive Transmedia Design (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. Credit given for only one of T461 and T368.

**T464 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*

**T207 Introduction to Telecommunications Industry and Management (3 cr.)** 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.

**T242 Public Telecommunications (3 cr.)** 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.

**T260 The Videogame Industry (3 cr.)** 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.

**T316 Media Ethics and Professional Responsibility (3 cr.)** 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.

**T321 Policymaking in Telecommunications (3 cr.)** 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.

**T322 Telecommunications Networks (3 cr.)** 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.

**T326 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.

**T327 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.

**T329 Cable/Broadband Communications (3 cr.)** 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.

**T340 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.

**T343 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.

**T344 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.

**T347 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.

**T348 Audience Analysis (3 cr.)** 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.

**T413 Global Media Issues (3 cr.) 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.

**T421 Economics of Communications**

**Industries (3 cr.) 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.

**T422 Business Applications in**

**Telecommunications (3 cr.) 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.

**T425 Telecommunications Regulation**

**(3 cr.) S & H** P: T207 and T321, each 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.

**T441 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.

**T446 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.

**T453 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.

**S453 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. Credit not given for both S440 and S453.

*Non-Area Courses***T480 Current Issues in Telecommunications**

**(3 cr.) 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.

**T495 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.

**T496 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.

**T497 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.

**T498 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.

**S499 Reading for Honors (3 cr.)**

P: Approval of departmental honors advisor. Introduction to research methods for honors undergraduates.

**T499 Independent Study for Honors**

**(12 cr. Max.)** P: Approval of departmental honors advisor.

# Theatre and Drama

## Faculty

**Chairperson** Professor Jonathan R. Michaelsen

**Associate Chairperson** Dale McFadden

**Professors** Roger W. Herzel, Dale McFadden, Jonathan R. Michaelsen, George Pinney, Dennis J. Reardon, Robert A. Shakespeare, Ronald Wainscott

**Associate Professors** Robert Bovard, Bruce Burgun, Nancy Lipschultz, Murray McGibbon, Rakesh Solomon, Fontaine Syer

**Assistant Professors** Fred M. Duer, Linda Pisano

**Faculty Emeriti** Leon Brauner, Winona Fletcher, Howard Jensen, Marion Bankert Michael, R. Keith Michael, Wesley Peters, Frank Silberstein

## Director of Undergraduate Studies

Dale McFadden

**Academic Advising** Charles Railsback, Theatre Building AD230, (812) 855-4342

## Introduction

The Department of Theatre and Drama (THTR) believes that theatrical productions and classroom study are of equal and complementary value. Courses in acting, directing, playwriting, dramatic literature, theatre history, design, and technology are all vital and interrelated aspects of the theatre and drama program.

## Major in Theatre and Drama

**Requirements** Students must complete 31 credit hours in theatre and drama, including the following introductory courses. 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.

1. T100 Introduction to Theatre (4 cr.)  
T121 Acting I for Majors (3 cr.) or T120 Acting I (3 cr.)\*  
T225 Stagecraft I (3 cr.)  
T230 Stage Costuming I (3 cr.)  
T335 Stage Lighting (3 cr.)  
T340 Directing I (3 cr.)  
T370-T371 History of Western Theatre and Drama I-II (3-3 cr.)
2. 6 additional credit hours in one of the four following areas of concentration:
  - a. Dramatic literature, theatre history, and dramatic theory: T460, T461, T462, T468
  - b. Acting, directing, movement, voice and speech, and oral interpretation: T115, T220, T300, T315, T320, T325, T410, T420, T423, T442, T443, T445
  - c. Scenic design, stagecraft, lighting design, costume design, sound design, and stage

management: T130, T326, T329, T347, T425, T426, T428, T430, T433, T434, T435, T438, T447, T483

d. Playwriting: T453, T454, T458

3. 15 of the 31 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.

\*T120 accepted as a substitute for T121 by petition. Consult advisor for further clarification.

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

**Transfer Students** Transfer students must complete a minimum of 12 credit hours in theatre and drama 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 before the beginning of classes in the fall semester. See an academic advisor for date and time.
2. All courses transferred from another institution or campus must be evaluated through the Theatre and Drama 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.

## Double Major Program

The requirements for a double major in the Department of Theatre and Drama 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 or T210.
2. A minimum of one course in each of these three areas:  
Acting and directing: T120.  
Design and technology: T225, T230, T326, or T335.  
Theatre history and dramatic literature: T370, T371, T460, T461, T462, or T468.
3. Two additional courses 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).

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, T320
2. Directing: T340
3. Movement: T300, T410
4. Oral interpretation: T115, T315
5. Playwriting: T453, T454, T458
6. Stagecraft: T225, T425, T435
7. Scene design: T326, T426
8. Costuming: T230, T430
9. Lighting: T335, T438
10. Stage Management: T229; T329 or T428
11. Dramatic literature: T460, T461, T462, T468
12. Theatre history: T370, T371

## Secondary Teacher Certification

Students seeking certification as teachers may combine their professional training in the Department of Theatre and Drama 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 3.3 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. 31 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.

## Course Descriptions

### T100 Introduction to Theatre (4 cr.) A & H

Overview of theories, methodology, and skills. Emphasis on theatre as a composite art. Relationship of various components: play, playwright, actor, director, designer, audience, critic, and physical theatre.

### T115 Oral Interpretation I (3 cr.) A & H

Introduction to theories, methodology, and skills; oral and visual presentation of literature for audiences.

### T120 Acting I: Fundamentals of Acting (3 cr.)

**A & H** Introduction to theories, methodology, and skills: movement, voice, observation, concentration, imagination. Emphasis on improvisational exercises and basic scene study. Lecture and laboratory. Credit given for only one of T120 or T121.

### T121 Acting I for Majors (3 cr.) A & H

**P:** Major in theatre and drama or departmental approval. Accelerated performance course for majors focusing on the foundation skills of acting including movement, voice and diction, observation, concentration, imagination with emphasis on improvisational exercises, and playing an action leading to scene study. Credit given for only one of T120 or T121.

**T130 Stage Makeup (1 cr.)** Techniques and styles of makeup in theatre. Lecture and laboratory. Theatre majors have registration priority.

### T210 Appreciation of Theatre (3 cr.) A & H

Introduction to the art and history of theatre through a study of major dramatic genres, theatrical elements and techniques, and current productions. No credit given for theatre and drama major concentration.

### T220 Acting II: Scene Study (3 cr.) P: T120

or T121; recommendation of instructor or audition. Continuation of work begun in T120 or T121. Textual analysis and techniques of communicating with body and voice. Study and performance of characters in scenes from modern realistic dramas. Lecture and laboratory.

### T225 Stagecraft I (3 cr.)

Introduction to theories, methodology, and skills: analysis of practical and aesthetic functions of stage scenery, fundamentals of scenic construction and rigging, mechanical drawing for stagecraft. Lecture and laboratory.

### T229 Stage Management I (3 cr.) P: T100 and

T225. Explore the role and function of the stage manager in theatrical production. Provide the basic skills to begin work in the field of stage management. Emphasis on organization, documentation, and dissemination of information.

### T230 Stage Costuming I (3 cr.)

Introduction to theories, methodology, and skills: materials, construction techniques, pattern drafting, wardrobe work, and decorative processes. Lecture and laboratory.

### T300 Musical Theatre Workshop (3 cr.)

Focuses on synthesizing acting, singing, and dancing into one performance technique. Amount of emphasis placed on each one will vary according to specific needs of the students enrolled. Admission by audition only. May be repeated for a total of 9 credit hours.



**T301 Musical Theatre Dance Styles I (3 cr.)**

P: Consent of instructor. Dance styles of the 1920s through the 1950s are explored and performed, including the works of choreographers Fred Astaire, Hermes Pan, Agnes de Mille, Jerome Robbins, and Gower Champion.

**T302 Musical Theatre Dance Styles II (3 cr.)**

P: Consent of instructor. A continuation of T301. Dance styles of the 1950s through present day are explored and performed, including the works of choreographers Bob Fosse, Michael Bennett, Bob Avian and Susan Stroman.

**T315 Oral Interpretation II (3 cr.)**

R: T115. Study of the oral and visual presentation of literature, with emphasis on analysis of intellectual and emotional values.

**T320 Acting III: Shakespeare (3 cr.)** P: T220; recommendation of T220 instructor or audition. Character analysis and use of language on stage. Study and performance of characters in scenes from Shakespeare. Lecture and laboratory.

**T323 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.

**T325 Voice and Speech (3 cr.)** P: T121 or T120. R: Sophomore standing. Anatomy and functions of vocal mechanism; introduction to phonetics; improvement of student's voice and diction through exercises and practical work in area of student's special interest. Theatre majors have registration priority. I Sem., II Sem.

**T326 Scene Design I (3 cr.)** Introduction to process of scene design, scene designer's responsibilities, scene problem solving, and exploration of visual materials and forms.

**T329 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.

**T335 Stage Lighting (3 cr.)** P: T225. 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.

**T340 Directing I (3 cr.)** P: T121 or T120. R: T100, T225, T230, T335, or consent of instructor. Introduction to theories, methodology, and skills: play analysis, working with actors, basic elements of stage composition.

**T347 Introduction to Sound Design for the Theatre (3 cr.)** P: T225 or consent 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.

**T359 Theatre Production Studio (1 cr.)**

P: One of the following courses: T225, T229, T230, T335, and consent 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

**T370-T371 History of Western Theatre and Drama I-II (3-3 cr.)** T370, A & H, CSA; T371, A & H, CSB Development of theatre and drama in Western world from beginnings to drama in Western world 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; II: ca. 1700 to present.

**T378 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.

**T390 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.

**T399 Reading, Research, Performance for Honors (12 cr. max.)** P: Approval of departmental honors advisor.

**T401 Musical Theatre Senior Showcase (3 cr.)** P: audition and consent of instructor. Provides an understanding of business and marketing techniques needed for success in professional theatre, and specific instruction in the process of auditions. Includes the creation of a student performance directed at agents and casting directors.

**T410 Movement for the Theatre (3 cr.)** P: T121 or T120. Introduction to theories, methodologies, and skills involved in developing a flexible, relaxed, controlled body for the theatre. Emphasis on relaxing body tensions, alignment, eye training, tumbling, and stage combat.

**T420 Acting IV: Realism (3 cr.)** P: T320; recommendation of T320 instructor or audition. Emphasis on ensemble acting and textual analysis. Study and performance of characters

in scenes from Chekhov, Strindberg, Ibsen, and modern American realism. Lecture and laboratory.

**T423 Acting V: Period Comedy (3 cr.)** P: T420; recommendation of T420 instructor or audition. Techniques of performing period plays with emphasis on comedy of manners. Study and performance of characters in scenes from such playwrights as Molière, Congreve, Sheridan, Wilde, and Coward. Lecture and laboratory. II Sem.

**T425 Stagecraft II (3 cr.)** P: T225 or consent of instructor. Using theatrical drafting as a vehicle, special materials, techniques, and problems of construction are explored. Elements of basic rigging and rigging safety are also covered.

**T426 Scene Design II (3 cr.)** P: T326 or consent of instructor. Work in line, color, and composition using historical conventions as the basis for contemporary scenic statements. Emphasis on period style and presentational forms.

**T428 Production and Events Management (3 cr.)** P: T229 or consent of instructor. Discussion of the skills necessary to produce and manage theatrical productions and the application of those skills to large events.

**T430 Stage Costuming II (3 cr.)** P: T230 or consent of instructor. Pattern drafting, fabric selection, special construction problems. Management of costume shops and care of wardrobes.

**T433 Costume Design (3 cr.)** P: T230 or consent of instructor. Design and selection of costumes, with an emphasis on the relationship of costume to character and production.

**T434 Historic Costume for the Stage (3 cr.)** P: T230 or consent of instructor. A survey of period fashion and manners from ancient Egypt to the twentieth century; emphasis on applicability to the stage.

**T435 Electronics for Theatre Technicians (3 cr.)** P: T335 or consent of instructor. Introduction to electronics; lighting control and other theatre-related electrical systems and devices.

**T438 Lighting Design (3 cr.)** P: T335 or consent of instructor. Stage lighting design concept development and implementation. Advanced lighting techniques and approaches.

**T439 Computer-Aided Drafting for the Theatrical Designer and Artisan (2 cr.)** Focuses on building and working knowledge of current computer-aided design and drafting programs. Students work on developing personal styles within the boundaries of proper drafting techniques developed by the United States Institute for Theatre Technology Drafting Standards Board. Projects focus students on

the ability to control appropriate software to develop useful theatre production graphics.

**T442 Directing II: Script Analysis (3 cr.)** P: T340 or consent of instructor. Problems and functions of director from selection of script through performance. Emphasis on script analysis. Lecture and practical projects. II Sem.

**T443 Directing III: Style (3 cr.)** P: T340. Directing scripts from various periods and in different styles. Lecture and practical projects. II Sem.

**T445 Voice and Dialects (3 cr.)** P: T325. Vocal work that focuses on combining imagery and imagination with the development of vocal technique through exercises in breathing, producing sound and resonance; the mastery of four of the most common dialects used in the American theatre.

**T447 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.

**T451 Stage Rigging I (2 cr.)** P: T225 or consent of instructor. Survey of structural engineering terminology and methods as applicable to common rigging practice in the theatre and entertainment industry.

**T452 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.

**T453 Playwriting I (3 cr.)** Introduction to principles of dramatic structure. Conferences and peer evaluations. Focus is on the creation and revision of a one-act play.

**T454 Playwriting II (3 cr.)** Consideration of dramaturgical antecedents and practical and theoretical problems. Creation of a full-length play. Prior playwriting experience helpful, but not required.

**T458 Screenwriting (3 cr.)** Structural analyses of cinematic models, culminating in the creation of an original full-length narrative screenplay.

**T460-T461-T462 Development of Dramatic Art I-II-III (3-3-3 cr.)** T460, A & H, CSA; T461-T462, A & H, CSB 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. I: Classical to Early Renaissance Drama; II: Late Renaissance to Modern Drama; III: Modern and Contemporary Drama.

**T468 Non-Western Theatre and Drama (3 cr.) A & H, CSA** Dramatic literature and theatre in one or more of the following areas: China, Japan, Korea, India, or southeast Asia.

**T478 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.

**T483 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.

**T490 Independent Study in Theatre and Drama (1-6 cr.)**

P: 12 credit hours in theatre and drama, departmental grade point average of 3.0 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.

**T499 Reading, Research, Performance for Honors (12 cr. max.)** P: Approval of departmental honors advisor.

**Related Courses**

In addition to the 31 credit hours of required courses that must be taken in the Department of Theatre and Drama, a student may include one or more of the following related courses as part of the major:

**African American and African Diaspora Studies**

A384 Blacks in American Drama and Theatre, 1945-present (3 cr.) **A & H, CSA**

A385 Seminar in Black Theatre (3 cr.) **A & H, CSA**

**Comparative Literature**

C311 Drama (3 cr.) **A & H**

**Education**

M478 Methods of Teaching High School Speech (3 cr.)

**English**

L203 Introduction to Drama (3 cr.) **A & H**

L220 Introduction to Shakespeare (3 cr.) **A & H**

L308 Elizabethan and Seventeenth-Century Drama (3 cr.) **A & H**

L313 Early Plays of Shakespeare (3 cr.) **A & H**

L314 Late Plays of Shakespeare (3 cr.) **A & H**

L363 American Drama (3 cr.) **A & H**

L365 Modern Drama: Continental (3 cr.) **A & H**

L366 Modern Drama: English, Irish, American, and Post-Colonial (3 cr.) **A & H**

# West European Studies

## Affiliated Faculty

**Director** Associate Professor Fritz Breithaupt (Germanic Studies)

**Chancellor's Professors** Robert Fulk (English), Roy Gardner (Economics), James Naremore (Emeritus, Communication and Culture)

**Robert H. Shaffer Class of 1967 Endowed Chair** William Corsaro (Sociology)

**Rudy Professors** Karen Hanson (Philosophy and Dean, Honors College), Jeffrey C. Isaac (Political Science), Rosemary Lloyd (French and Italian), Giancarlo Maiorino (Comparative Literature), Albert Valdman (French and Italian, Emeritus)

**Ameritech Endowed Chairs** David B. Audretsch (School of Public and Environmental Affairs), Charles Bonser (School of Public and Environmental Affairs, Dean Emeritus)

W. George Pinnell Professor Michele Fratianni (Kelley School of Business)

**L. Leslie Waters Chair in International Business** Alan Rugman (Kelley School of Business)

**Roscoe C. O'Byrne Chair and Director of the Institute for Advanced Study** Alfred Aman (School of Law)

**Distinguished Professors** Willis Barnstone (Emeritus, Comparative Literature, Spanish and Portuguese), Peter Bondanella (Comparative Literature, French and Italian), James Riley (History), Alan Rugman (Kelley School of Business)

**Professors** George Alter (History), Michael Berkvam (Emeritus, French and Italian), Domenico Bertoloni Meli (History and Philosophy of Science), Maryellen Bieder (Spanish and Portuguese), Jack Bielsiak (Political Science), Julia Bondanella (French and Italian), Bonnie Brownlee (School of Journalism), Hannah Buxbaum (School of Law), Gilbert Chaitin (French and Italian), Andrea Ciccarelli (French and Italian), Lawrence Clopper (Emeritus, English), Allen Douglas (West European Studies, History), Dyan Elliott (History), Molly Faries (Emerita, Fine Arts), David Fidler (School of Law), Jane Fulcher (Jacobs School of Music), Norman Furniss (Political Science), Kari Gade (Germanic Studies), Gerhard Glomm (Economics), Kirstin Grønberg (School of Public and Environmental Affairs), Jeffrey Hart (Political Science), David Hertz (Comparative Literature), Roger Herzel (Theatre and Drama), Janet Kennedy (Fine Arts), Oscar Kenshur (Comparative Literature), Dov-Ber Kerler (Germanic Studies), W. Eugene Kleinbauer (Fine Arts), Dan Knudsen (Geography), Catherine Larson (Spanish and Portuguese), Jacques Merceron (French and Italian), Emanuel Mickel (French and Italian), Richard Nash (English), Christine Ogan (School

of Journalism, School of Informatics), William Rasch (Germanic Studies), Robert Rohrschneider (Political Science), Alvin Rosenfeld (English, Jewish Studies), Darlene Sadlier (Spanish and Portuguese), Josep Sobrer (Spanish and Portuguese), Rex Sprouse (Germanic Studies), H. Wayne Storey (French and Italian, Medieval Studies), Terence Thayer (Germanic Studies), Stephen Watt (English), Lois Wise (School of Public and Environmental Affairs)

**Associate Professors** Guillaume Ansart (French and Italian), Matt Auer (School of Public and Environmental Affairs), Julie Auger (French and Italian), Joëlle Bahloul (Jewish Studies, Anthropology), Claudia Breger (Germanic Studies), Fritz Breithaupt (Germanic Studies), Michel Chaouli (Germanic Studies), Linda Charnes (English), Juan Carlos Conde (Spanish and Portuguese), Laurent Dekydtspotter (French and Italian), Melissa Dinverno (Spanish and Portuguese), Michelle Facos (Fine Arts), Mary Favret (English), Arthur Field (History), Kimberly Geeslin (Spanish and Portuguese), Margaret Gray (French and Italian), Carl Ipsen (History), Herbert Marks (Comparative Literature), Eric MacPhail (French and Italian), Luise McCarty (School of Education), Owen V. Johnson (School of Journalism), David Pace (History), Angela Pao (Comparative Literature), Leah Shopkow (History), Margaret Sutton (School of Education)

**Assistant Professors** Aurelian Craiutu (Political Science), Hugh Kelley (Economics), Massimo Scalabrini (French and Italian), Abdulkader Sinno (Political Science), Beate Sissenich (Political Science), Steven Wagschal (Spanish and Portuguese), Reyes Vila-Belda (Spanish and Portuguese), Rebecca Wilkin (French and Italian)

**Lecturers** Gergana May (Germanic Studies), Esther Ham (Germanic Studies), Olga Kalentzidou (West European Studies)

**Academic Advising** Ballantine Hall 542, (812) 855-3280, west@indiana.edu

## Introduction

West European Studies, a center 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 Western Europe and the European Union. The center offers two undergraduate minors: the West European studies minor and the European Union minor.

Both minors combine core courses with elective courses from other departments and schools.

Some courses to fulfill the minors are listed under "West European Studies"; others are offered through other departments. Students may earn both minors, but the minors may not be completed with the same courses. Students

must meet with the West European Studies academic advisor to apply for the minors and to work out the course plan.

Requirements for the West European studies minor are listed below.

### Minor in West European Studies

Students take one core course in Political Science, and a total of four elective courses selected from the social sciences and humanities, along with a language, to complete the minor. Students must meet with the West European studies academic advisor to apply for acceptance.

**Requirements** Students must complete the following:

1. W301 or POLS Y335 or Y350
2. One W405 or cross-listed equivalent
3. One W406 or cross-listed equivalent
4. Two additional West European Studies courses, or cross-listed equivalents
5. Four semesters of a West European language or equivalent.

With the approval of the undergraduate advisor, students may use one approved Topics course (COLL E103 or E104) to fulfill requirement 4 above. A list of current cross-listed courses is available through the advisor.

### Minor in European Union Studies

On May 1, 2004, the European Union admitted 10 new members; it 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, along with a language, to complete the minor. Students must meet with the West European studies academic advisor to apply for acceptance.

Requirements include 18 credit hours of course work to be distributed as follows, plus a language requirement. At least 9 credit hours must be at the 300 or 400 level.

1. Students must take one course from each of 3 areas of concentration:

#### Politics/Public Policy

POLS Y351/WEUR W304 Model European Union (3 cr.)

POLS Y350 European Integration/WEUR W405 Special Topics in West European Studies Topic: Politics of the European Union (3 cr.)

POLS Y335 Western European Politics/  
WEUR W301 Modern European Politics and Society (3 cr.)

#### Economics/Business

BUS G494 Public Policy and the International Economy (3 cr.)

ECON E390 Undergraduate Seminar Topic: Economics of European Integration (3 cr.)

#### Culture/Identity

GEOG G428/WEUR W405 Geography of Europe (3 cr.)

WEUR W405 Special Topics in West European Studies Topic: The Idea of Europe (3 cr.)

GER G394/WEUR W406 Special Topics in West European Studies Topic: The Idea of Europe: Order and Identity (3 cr.)

2. Students take another 9 elective credit hours. The elective requirement can be met in two ways:
  - a. taking additional courses from core courses; or
  - b. taking courses selected from the numerous course offerings listed by West European Studies, 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.
3. Students are required to complete two years of study of one of the languages of the European Union member countries other than their native language.

Note that students must complete a minimum of 15 credit hours in College of Arts and Sciences courses within the 18 credit hours for the minor.

### Course Descriptions

**W210 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.

**W301 (POLS Y335) Modern European Politics and Society (3 cr.)** S & H, CSB The politics, economics, and social structures of Western European countries. Examination of selected domestic and international issues, including the welfare states, the European community, and West-East European relations.

**W304 (POLS Y351) Model European Union (1-3 cr.)** 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.

**W325 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.

**W401 Topics in European Intellectual History (3 cr.) S & H** A survey of modern European intellectual history from the French Revolution to the present. Open to advanced undergraduate and graduate students.

**W405 Special Topics in West European Studies (3 cr.) S & H, CSB** approved topics only. Selected ideas, trends, and problems in contemporary Western Europe from the perspective of social and behavioral sciences. Specific topics will be announced each semester. May be repeated for up to 12 credit hours with different topics. I Sem., II Sem.

**W406 Special Topics in West European Studies (3 cr.) A & H, CSB** approved topics only. Selected ideas, trends, and problems in contemporary Western Europe from the perspective of arts and humanities. Specific topics will be announced each semester. May be repeated for up to 12 credit hours with different topics. I Sem., II Sem., SS.

**W415 Individual Readings in West European Studies (1-3 cr.; may be repeated)** P: consent of instructor and chairperson. I Sem., II Sem., SS.

**W496 Foreign Study of Western Europe (3-8 cr.)** P: Consent of chairperson. Planning of research project during summer or semester preceding year or 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 only be taken once. I Sem., II Sem., SS.

*Modern Greek***E100 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.

**E150 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.

**E200 Second-Year Modern Greek (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.

**E250 Readings in Modern Greek Writers (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.

**Joint-Listed Courses**

The following courses may be joint-listed with West European Studies course number W405.

**Economics**

E390 Economics of European Integration (3 cr.)  
**S & H**

**Geography**

G428 Geography of Europe (3 cr.) **S & H, CSB**

**Germanic Studies**

N350 Dutch Culture: The Modern Netherlands (3 cr.) **S & H, CSB**

**History**

B300 Issues in Western European History (3 cr.) **S & H**

B303 Issues in Modern European History **S & H**

B357 Modern France (3 cr.) **S & H, CSB**

B361-B362 Europe in the Twentieth Century I-II (3-3 cr.) **S & H**

B366 Paris and Berlin in the 1920s (3 cr.) **S & H, CSB**

B368 Modern Italy (3 cr.) **S & H, CSB**

B377 History of Germany since 1648 I (3 cr.)  
**S & H, CSB**

B378 History of Germany since 1648 II (3 cr.)  
**S & H, CSB**

**Political Science**

Y335 Western European Politics (3 cr.)  
**S & H, CSB**

Y347 German Politics (3 cr.) **S & H, CSB**

Y350 Politics of the European Union (3 cr.) **S & H**

Y401 Topics in Political Science (Europe) (3 cr.)  
**S & H**

The following courses may be joint-listed with West European Studies course number W406:

**Communication and Culture**

C393-C394 History of European and American Films I-II (Europe) (3-3 cr.) **A & H, CSB**

C398 National Cinemas (3 cr.) **A & H**

**Comparative Literature**

C355 Literature, the Arts, and Their Interrelationship (3 cr.) **A & H**

**French and Italian**

- M311 Contemporary France: Film and Culture (3 cr.) **A & H, CSB**  
 M390 Studies in the Italian Film (3 cr.)  
**A & H, CSB**  
 M450 Seminar in Italian Literature (up to 6 cr.)  
**A & H**

**Germanic Studies**

- G390 German Film Culture (3 cr.) **A & H, CSB**  
 G418 German Film and Popular Culture (3 cr.)  
**A & H, CSB**  
 N450 The Golden Age of Dutch Culture (3 cr.)  
**A & H, CSB**

**Political Science**

- Y381 Classical Political Thought (3 cr.) **A & H, CSA**  
 Y382 Modern Political Thought (3 cr.)  
**A & H, CSB**

**Cross-Listed Courses**

The following list represents a list of courses considered cross-listed equivalents. Any of these courses may count towards the WEST minor. Courses approved for S & H distribution (social and historical studies) may replace the W405 requirement and courses approved for A & H distribution (arts & humanities) 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 West European Studies advisor.

**Anthropology**

- E303 Introduction to Social and Cultural Anthropology (3 cr.) **S & H**  
 E332 Jewish Women: Anthropological Perspectives (3 cr.) **S & H, CSA**  
 E387 The Ethnography of Europe (3 cr.)  
**S & H, CSB**

**Apparel Merchandising and Interior Design**

- H265 History of European and American Furniture and Interiors, 1730-1830 (3 cr.)  
**S & H**  
 H311 History of Textiles and Costume I (3 cr.)  
 H340 History of Textiles and Costume II (3 cr.)  
 H404 International Textiles and Apparel Trade (3 cr.)

**Central Eurasian Studies**

- U324 Romanticism and the Rise of Nationalism (3 cr.) **A & H, CSB**  
 U333 Finland in the Twentieth Century (3 cr.)  
**S & H**  
 U436 Finnish Civilization to 1800 (3 cr.) **S & H**  
 U430 Finnic Folklore (3 cr.)

**Comparative Literature**

- C310 Film and Literature (3 cr.) **A & H**  
 C311 Drama (3 cr.) **A & H**  
 C313 Narrative (3 cr.) **A & H**  
 C315 Lyric Poetry (3 cr.) **A & H**  
 C318 Satire (3 cr.) **A & H**

- C325 The Renaissance (3 cr.) **A & H, CSA**  
 C329 The Eighteenth Century (3 cr.) **A & H, CSB**  
 C333 Romanticism (3 cr.) **A & H, CSB**  
 C335 Realism, Naturalism, and Symbolism (3 cr.) **A & H, CSB**  
 C337 The Twentieth Century: Tradition and Change (3 cr.) **A & H, CSB**  
 C347 Literature and Ideas (3 cr.) **A & H, CSB**  
 C365 Seminar in Czech and Central European Literatures and Cultures (3 cr.) (W. European content) **A & H, CSA**  
 C377 Topics in Yiddish Literature (3 cr.)  
**A & H, CSA**  
 C378 Topics in Yiddish Culture (3 cr.)  
**A & H, CSA**  
 C400 Studies in Comparative Literature (Modern Europe) (3 cr.) **A & H**

**Economics**

- E303 Survey of International Economics (3 cr.)  
**S & H**

**English**

- E301 Literatures in English to 1600 (3 cr.)  
**A & H**  
 E302 Literatures in English, 1600-1800 (3 cr.)  
**A & H**  
 E303 Literatures in English, 1800-1900 (3 cr.)  
**A & H**  
 E304 Literatures in English, 1900-Present (3 cr.)  
**A & H**  
 L305 Chaucer (3 cr.) **A & H**  
 L306 Middle English Literature (3 cr.) **A & H**  
 L308 Elizabethan and Seventeenth-Century Drama (3 cr.) **A & H**  
 L309 Elizabethan Poetry (3 cr.) **A & H**  
 L313 Early Plays of Shakespeare (3 cr.) **A & H**  
 L314 Late Plays of Shakespeare (3 cr.) **A & H**  
 L317 English Poetry of the Early Seventeenth Century (3 cr.) **A & H**  
 L318 Milton (3 cr.) **A & H**  
 L320 Restoration and Early Eighteenth-Century Literature (3 cr.) **A & H**  
 L327 Later Eighteenth-Century Literature (3 cr.)  
**A & H**  
 L332 Romantic Literature (3 cr.) **A & H**  
 L335 Victorian Literature (3 cr.) **A & H**  
 L345 Twentieth-Century British Poetry (3 cr.)  
**A & H**  
 L346 Twentieth-Century British Fiction (3 cr.)  
**A & H**  
 L347 British Fiction to 1800 (3 cr.) **A & H**  
 L348 Nineteenth-Century British Fiction (3 cr.)  
**A & H**  
 L365 Modern Drama: Continental (3 cr.) **A & H**  
 L366 Modern Drama: English, Irish, American, and Post-Colonial (3 cr.) **A & H**  
 L369 Studies in British and American Authors (3 cr.) **A & H**  
 L373 Interdisciplinary Approaches to English and American Literature I (3 cr.) **A & H**  
 L375 Studies in Jewish Literature (3 cr.) **A & H, CSA**

L378 Studies in Women and Literature (3 cr.)

**A & H**

L380 Literary Modernism (3 cr.) **A & H**

L383 Studies in British or Commonwealth

Culture (3 cr.) **A & H**

L389 Feminist Literary and Cultural Criticism  
(3 cr.) **A & H**

L390 Children's Literature (3 cr.) **A & H**

L395 British and American Film Studies (3 cr.)  
**A & H**

L450 Seminar: British and American Authors  
(3 cr.)

### **Fine Arts**

A226 Survey of Medieval Art (3 cr.) **A & H, CSA**

A231 The Age of Giants: Art in the Time of  
Leonardo and Michelangelo (3 cr.) **A & H, CSA**

A233 Renaissance and Baroque Art in Italy,  
1250-1700 (3 cr.) **S & H, CSA**

A234 Renaissance Florence (3 cr.) **A & H, CSA**

A310 Topics in Ancient Art (3 cr.) **A & H**

A311 The Art of the Classical Age of Greece  
(3 cr.) **S & H, CSA**

A312 The Art of the Roman Empire from  
Augustus to Constantine (3 cr.) **S & H**

A313 Greek Pottery and Painting (3 cr.)

A314 History of Greek Sculpture (3 cr.)

A316 Ancient Art from Alexander the Great to  
Augustus (3 cr.) **A & H**

A321 Early Medieval Art (3 cr.) **S & H, CSA**

A322 Romanesque and Gothic Art (3 cr.) **S & H**

A323 Illuminated Manuscripts in the Middle  
Ages: Form, Function, and Audience (3 cr.)  
**A & H**

A324 The Gothic Cathedral (3 cr.)

A325 Medieval Architecture (3 cr.) **S & H**

A329 Topics in Medieval Art (3 cr.) **A & H**

A330 Art of Renaissance and Baroque (3 cr.)  
**S & H**

A331 Fourteenth- and Fifteenth-Century Art in  
Italy (3 cr.) **S & H**

A332 Sixteenth- and Seventeenth-Century Art in  
Southern Europe (3 cr.) **S & H**

A333 From Van Eyck to Vermeer (3 cr.) **S & H**

A334 High Renaissance and Mannerism: Italian  
Art, 1490-1590 (3 cr.) **S & H**

A335 Baroque Art in Italy, 1580-1700 (3 cr.)  
**S & H**

A337 Age of Rubens and Rembrandt (3 cr.)  
**S & H, CSA**

A340 Topics in Modern Art (3 cr.)

A341 Nineteenth-Century European Art (3 cr.)  
**S & H**

A342 Twentieth-Century Art (3 cr.) **S & H, CSB**

A347 Picasso (3 cr.) **A & H**

A349 Dada and Surrealism (3 cr.)

A410 Topics in Ancient Art (4 cr.) **S & H**

A412 (CLAS C412) The Art and Archaeology  
of the Aegean (3 cr.) **A & H**

A413 (CLAS C413) The Art and Archaeology  
of Greece (3 cr.) **A & H**

A414 (CLAS C414) The Art and Archaeology  
of Rome (3 cr.) **A & H**

A415 Roman Painting (4 cr.) **S & H**

A416 Greek Architecture (4 cr.)

A417 Roman Sculpture (4 cr.) **S & H**

A418 Roman Architecture (4 cr.)

A421 Early Christian Art (4 cr.) **S & H**

A423 Romanesque Art (4 cr.) **S & H**

A424 Gothic Art (4 cr.) **S & H**

A425 Byzantine Art (4 cr.) **S & H**

A426 History of Medieval Stained Glass (3 cr.)

A432 Sixteenth-Century Art in Northern Italy  
(4 cr.)

A436 Italian Art of the Fifteenth Century (4 cr.)  
**S & H**

A437 Early Netherlandish Painting (4 cr.) **S & H**

A440 Nineteenth-Century Painting (4 cr.) **CSB**

A441 Nineteenth-Century Painting II (4 cr.) **CSB**

A442 Twentieth-Century Art, 1900-1924 (4 cr.)  
**CSB**

A449 Twentieth-Century Art, 1925-1970 (4 cr.)

A450 History of Photography (4 cr.)

### **Folklore and Ethnomusicology**

F312 European Folklore/Folklife/Folk Music  
(3 cr.) **A & H, CSB**

### **French and Italian**

F300 Reading and Expression in French (3 cr.)  
**A & H**

F303 Theater and the Essay: Form, Themes, and  
Ideas (3 cr.) **A & H**

F304 Novel and Poetry: Form, Themes, and  
Ideas (3 cr.) **A & H**

F305 Théâtre et essai (3 cr.) **A & H**

F306 Roman et poésie (3 cr.) **A & H**

F310 Topics in French Literature in Translation  
(3 cr.) **A & H, CSB** (Topics vary.)

F313-F314 Advanced Grammar and  
Composition I-II (3-3 cr.)

F315 Phonetics and Pronunciation (3 cr.)

F316 Conversational Practice (3 cr.)

F317 French in the Business World (3 cr.) **S & H**

F333 Intensive Writing in French Culture (3 cr.)  
**CSB**

F350 The Writer and Public Issues in Twentieth-  
Century France (3 cr.) **A & H, CSB**

F361 Introduction historique à la civilisation  
française I (3 cr.) **A & H, CSA**

F362 Introduction historique à la civilisation  
française II (3 cr.) **A & H, CSB**

F363 Introduction à la France moderne (3 cr.)  
**A & H, CSB**

F375 Thèmes et perspectives littéraires (3 cr.)  
**A & H, CSB**

F401 Structure and Development of French  
(3 cr.)

F402 Introduction to French Linguistics (3 cr.)

F410 French Literature of the Middle Ages (3 cr.)  
**A & H, CSA**

F413 French Renaissance (3 cr.) **A & H**

F423 Seventeenth-Century French Literature  
(3 cr.)



- F424 Ideas and Culture in Seventeenth-Century France (3 cr.)
- F435 Enlightenment Narrative (3 cr.) **A & H**
- F436 Voltaire, Diderot, and Rousseau (3 cr.)  
**A & H**
- F443 Nineteenth-Century Novel I (3 cr.) **A & H**
- F444 Nineteenth-Century Novel II (3 cr.) **A & H**
- F445 Nineteenth-Century Drama (3 cr.)
- F446 Poésie du dix-neuvième siècle (3 cr.) **A & H**
- F450 Colloquium in French Studies (2-3 cr.)  
**A & H, CSA**
- F451 Colloquium in French Studies—Literature and Arts (2-3 cr.) **A & H, CSB**
- F453 Le Roman au 20e siècle I (3 cr.)  
**A & H, CSB**
- F454 Le Roman au 20e siècle II (3 cr.)
- F456 La Poésie au 20e siècle (3 cr.) **A & H**
- F459 Le Théâtre au 20e siècle (3 cr.) **A & H, CSB**
- F461 La France contemporaine (3 cr.) **CSB**
- F463 civilization française I (3 cr.) **CSA**
- F464 civilization française II (3 cr.) **CSB**
- F474 Thème et version (3 cr.)
- M234 Florence in Florence (3 cr.) **A & H, CSA**
- M235 Rome, the City and the Myth (3 cr.)  
**A & H, CSB**
- M300 Italian Conversation and Diction (3 cr.)
- M301 Italian Reading and Expression (4 cr.)
- M305 Civiltà italiana moderna (3 cr.)  
**A & H, CSB**
- M306 Italian Short Stories from the Political Unification to the Present (3 cr.) **A & H, CSB**
- M307-M308 Masterpieces of Italian Literature I-II (3-3 cr.) (**M307**) **A & H, CSA; (M308)**  
**A & H, CSB**
- M333 Dante and His Times (3 cr.) **A & H, CSA**
- M334 Power and Imagination in Renaissance Italy (3 cr.) **A & H, CSA**
- M345 Literature of Italian Renaissance Art (3 cr.)  
**A & H, CSA**
- M403 Italian Renaissance Epic (3 cr.) **A & H**
- M435 Theatre Workshop (3 cr.)
- M445 Risorgimento (3 cr.) **A & H, CSA**
- M446 Nineteenth-Century Italian Literature (3 cr.)
- M453 Twentieth-Century Italian Literature and Culture (3 cr.) **A & H**
- M455 Readings in the Italian Cinema (3 cr.)  
**A & H**
- M456 Il Decadentismo Italiano (3 cr.)
- M463 Contemporary and Popular Italian Culture (3 cr.) **A & H, CSB**
- M474 Temi e versioni (2-4 cr.)
- S300 Reading and Expression in French-Honors (3 cr.) **A & H**
- Gender Studies**
- G290 Two Centuries of Feminist Thought (3 cr.) **A & H**
- Germanic Studies**
- G300 Deutsch: Mittelstufe I (3 cr.)
- G305 Introduction to German Literature: Types (3 cr.) **A & H**
- G306 Introduction to German Literature: Themes (3 cr.) **A & H**
- G330 Deutsch: Mittelstufe II (4 cr.)
- G350 Vikings and Sagas (3 cr.) **A & H**
- G362 Deutsche Landeskunde (3 cr.) **S & H, CSB**
- G363 Deutsche Kulturgeschichte (3 cr.)  
**A & H, CSB**
- G364 German Cultural History (3 cr.)  
**A & H, CSB**
- G375 Conversational German (2 cr.)
- G396 German Language Abroad (1-6 cr.)
- G400 Deutsch: Oberstufe (4 cr.)
- G403 Deutsche Literatur: Mittelalter bis Romantik (3 cr.) **A & H**
- G404 Deutsche Literatur seit der Romantik (3 cr.) **A & H**
- G415 Perspectives on German Literature (3 cr.)  
**A & H**
- G416 Studies in German Authors (3 cr.) **A & H**
- G448 The Sounds of Modern German (3 cr.)  
**N & M**
- G451 Introduction to the Structure of Modern German (3 cr.) **N & M**
- G458 Principles of German Word Formation (3 cr.) **N & M**
- G464 Kultur und Gesellschaft (3 cr.) **S & H, CSB**
- V400 Contemporary Germany (3 cr.) **S & H, CSB**
- V406 Literature and Society since 1945 (3 cr.)  
**A & H, CSB**
- Y300 Topics in Yiddish Literature (3 cr.)  
**A & H, CSA**
- Y350 Topics in Yiddish Culture (3 cr.)  
**A & H, CSA**
- History**
- B321 Modern Jewish History: from Expulsion to Revolution (3 cr.) **S & H, CSA**
- B322 Jews in the Modern World (3 cr.)  
**S & H, CSA**
- B323 History of the Holocaust (3 cr.)  
**S & H, CSA**
- B324 Zionism and the State of Israel (3 cr.)  
**S & H, CSA**
- B325 Christian-Jewish Relations (3 cr.) **S & H**
- B342 Women in Medieval Society (3 cr.) **S & H**
- B343 Medieval Sexuality (3 cr.) **S & H**
- B351 Western Europe in the Early Middle Ages (3 cr.) **S & H, CSA**
- B352 Western Europe in the High and Later Middle Ages (3 cr.) **S & H, CSA**
- B353 The Renaissance (3 cr.) **S & H, CSA**
- B354 The Reformation (3 cr.) **S & H, CSA**
- B355 Europe: Louis XIV to French Revolution (3 cr.) **S & H, CSA**
- B356 French Revolution and Napoleon (3 cr.)  
**S & H, CSA**
- B358 The Industrial Revolution and the Economic Development of Europe (3 cr.)  
**S & H**
- B359-B360 Europe from Napoleon to the First World War I-II (3-3 cr.) **S & H, CSB**
- B400 Issues in Western European History (3 cr.)  
**S & H**
- J400 Seminar in History (3 cr.) **S & H**

W325 World War II: The Peoples (3 cr.) **S & H**

**History and Philosophy of Science**

X338 Science and Religion (3 cr.) **A & H**

X370 Science and Gender (3 cr.) **S & H**

X371 Topics in the Science of Sex and Gender (3 cr.)

X390 Space, Time, and Relativity (3 cr.) **A & H**

X451 Scientific Understanding (3 cr.) **A & H**

X452 Modern Philosophy of Science (3 cr.) **A & H**

X456 Philosophy of Science in Antiquity (3 cr.) **A & H**

**International Studies**

I300 Topics in International Studies (W. European Topics) (3 cr.)

I325 International Issues through Foreign Languages (W. European Topics) (1 cr.)

**Medieval Studies**

M390 Studies in Medieval Culture (2-4 cr.)

M490 Topics in Medieval Studies (2-4 cr.)

**Philosophy**

P201 Ancient Greek Philosophy (3 cr.) **A & H, CSA**

P205 Modern Jewish Philosophy (3 cr.) **A & H, CSA**

P211 Modern Philosophy: Descartes through Kant (3 cr.) **A & H**

P301 Medieval Philosophy (3 cr.) **A & H, CSA**

P304 Nineteenth-Century Philosophy (3 cr.) **A & H**

P305 Topics in the Philosophy of Judaism (3 cr.) **A & H, CSA**

P330 Marxist Philosophy (3 cr.) **A & H**

P332 Feminism and Value (3 cr.) **A & H**

P335 Phenomenology and Existentialism (3 cr.) **A & H**

P340 Classics in Ethics (3 cr.) **A & H**

P343 Classics in Social and Political Philosophy (3 cr.) **A & H**

P345 Problems in Social and Political Philosophy (3 cr.) **A & H**

P346 Classics in Philosophy of Art (3 cr.) **A & H**

P347 Contemporary Controversies in Philosophy of Art (3 cr.) **A & H**

P371 Philosophy of Religion (3 cr.) **A & H**

**Political Science**

Y351 Political Simulations (Model EU) (1-3 cr.)

Y352 The Holocaust and Politics (3 cr.) **S & H, CSA**

Y353 The Politics of Gender and Sexuality **S & H, CSA**

Y361 Contemporary Theories of International Politics (3 cr.) **S & H**

Y362 International Politics of Selected Regions (Europe) (3 cr.) **S & H**

Y363 Comparative Foreign Policy (3 cr.) **S & H**

Y372 The Analysis of International Politics (3 cr.) **S & H**

Y375 War and International Conflict (3 cr.) **S & H**

Y376 International Political Economy (3 cr.) **S & H**

**Religious Studies**

R330 Christianity, 408-1500 (3 cr.) **A & H**

R331 Christianity, 1500-2000 (3 cr.) **A & H**

R333 Religion and Its Critics (3 cr.) **A & H**

R340 Contemporary Religious Thought (3 cr.) **A & H**

R342 Religious Thought in Medieval Judaism (3 cr.) **A & H**

R345 Religious Issues in Contemporary Judaism (W. European Topics) (3 cr.) **A & H, CSA**

R360 Comparative Study of Religious Phenomena (W. European Topics) (3 cr.) **A & H**

R362 Religion in Literature (W. European Topics) (3 cr.) **A & H**

R364 Feminist Critique of Western Religion (W. European Topics) (3 cr.) **A & H**

R372 Love and Justice (3 cr.) **A & H**

R374 From Christian Ethics to Social Criticism I (3 cr.) **A & H**

R375 From Christian Ethics to Social Criticism II (3 cr.) **A & H**

R376 War and Peace in Western Religion (3 cr.) **A & H**

R420 Religion in the Ancient Mediterranean World (3 cr.) **A & H**

R425 Gnostic Religion and Literature (3 cr.) **A & H**

R430 Topics in the History of Christianity (W. European Topics) (3 cr.) **A & H**

**Spanish and Portuguese**

S310 Spanish Grammar and Composition (3 cr.)

S312 Introduction to Expository Writing in Spanish (3 cr.)

S315 Spanish in the Business World (3 cr.)

S317 Spanish Conversation and Diction (3 cr.)

S326 Introduction to Spanish Linguistics (3 cr.) **N & M**

S332 The Hispanic World II (3 cr.) **A & H, CSB**

S333 The Hispanic World (3 cr.) **A & H, CSA**

S407 Survey of Spanish Literature I (3 cr.) **A & H**

S408 Survey of Spanish Literature II (3 cr.) **A & H**

S411 Spain: The Cultural Context (3 cr.) **A & H, CSB**

S417 Hispanic Poetry (3 cr.) **A & H**

S418 Hispanic Drama (3 cr.) **A & H**

S419 Modern Spanish Prose Fiction (3 cr.) **A & H**

S421 Advanced Grammar and Composition (2 cr.)

S423 The Craft of Translation (3 cr.)

S425 Spanish Phonetics (3 cr.) **N & M**

S428 Applied Spanish Linguistics (3 cr.)

S450 Don Quixote (3 cr.) **A & H**

S470 Women and Hispanic Literature (3 cr.) **A & H**

S473 Hispanic Literature and Literary Theory (3 cr.) **A & H**

- S474 Hispanic Literature and Society (3 cr.)  
**A & H**  
 S495 Hispanic Colloquium (W. European Topic)  
 (1-3 cr.)  
 C400 Catalan Language and Culture I (3 cr.)  
 C410 Catalan Language and Culture II (3 cr.)  
 C450 Catalan Literature (3 cr.) **A & H**  
 P311 Advanced Grammar and Composition in  
 Portuguese (3 cr.)  
 P317 Reading and Conversation in Portuguese  
 (3 cr.)  
 P400 Literatures of the Portuguese-Speaking  
 World I (3 cr.) **A & H, CSA**  
 P401 Literatures of the Portuguese-Speaking  
 World II (3 cr.) **A & H, CSA**  
 P405 Literature and Film in Portuguese (3 cr.)  
**A & H, CSA**  
 P425 Structure of Portuguese Language (3 cr.)  
 P470 Poetry in Portuguese (3 cr.) **A & H, CSA**  
 P475 Theater in Portuguese (3 cr.) **A & H, CSA**

#### **Telecommunications**

- T313 Comparative Media Systems (3 cr.) **S & H**  
 T427 International Telecommunications (3 cr.)  
**S & H**

#### **Theatre and Drama**

- T323 Costume and Character in London  
 Theatre (3 cr.)  
 T370-T371 History of Western Theatre and  
 Drama I-II (33 cr.) **(T370) A & H, CSA,**  
**(T372) A & H, CSB**  
 T461-T462 Development of Dramatic Art II-III  
 (3-3 cr.) **A & H, CSB**

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

- D300 International Business Administration  
 (3 cr.)  
 D301 International Business Environment (3 cr.)  
 D302 International Business: Operating  
 International Enterprises (3 cr.)  
 F494 International Finance (3 cr.)  
 G494 Public Policy and the International  
 Economy (3 cr.)

#### **School of Education**

- H340 Education and American Culture (3 cr.)

#### **School of Journalism**

- J414 International News-Gathering Systems  
 (3 cr.)  
 J460 Reporting Foreign Affairs (3 cr.)  
 J462 History of 20th Century Photography (3 cr.)

#### **Jacobs School of Music**

- M401-M402 History and Literature of Music I-II  
 (4-4 cr.)  
 M410 Composer or Genre (W. European Topics)  
 (3 cr.)  
 Z301 Rock Music in the 70s and 80s (3 cr.)  
 Z401 The Music of the Beatles (3 cr.)



## Special Courses and Programs

### Arts and Sciences Career Services (ASCS)

Located within the Career Development Center at 625 N. Jordan Avenue, Arts and Sciences Career Services assists freshmen through seniors with career planning and placement-related decisions. ASCS offers the following courses to help students develop skills.

### Course Descriptions

#### Q275 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.

#### Q294 Basic Career Development (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.

#### Q299 Job Search Strategies for Liberal Arts Students (2 cr.)

P: Sophomore, junior, or senior standing. R: Q294. 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. Credit given for only one of the following: Q299, Q400, Business X420, and SPEA V352. S/F grading. Requires special fee.

#### Q398: 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.

#### W499 Work Assignment: Off-Campus (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.

### Direct Admit Program

Incoming freshmen with strong high school records and an interest in majoring in one or more College of Arts and Sciences departments may apply for direct admission into the College of Arts and Sciences. For more information, send e-mail to [dap@indiana.edu](mailto:dap@indiana.edu).

### Experimental Courses (COLL)

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 distribution, foreign language, or major requirements. For additional information about current offerings, consult the online *Schedule of Classes*.

### Course Descriptions

#### X101 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.

#### X112 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.

#### X211 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.

#### X311 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.

## Foreign Study (COLL)

F200 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.

## Freshman Interest

### Groups Program (COLL)

To support the academic transition of first-year students, Indiana University offers the Freshman Interest Groups (FIGs) Program. FIGs are groups of no more than 20 first-semester freshmen who co-enroll in two or three courses together, usually live near each other in the residence centers, and take X111-the FIGs Seminar-together. The FIGs Seminar is a 1 credit hour course designed to acquaint students with academic, intellectual, and cultural campus resources, as well as sharpen study skills and integrate material from FIGs courses. FIGs provide a common academic frame of reference for students and consist of courses that help fulfill distribution and degree requirements or are thematically linked. A wide range of FIGs are offered the first semester of each year, and all freshmen are invited to participate. Students admitted to the university will receive detailed information about the FIGs program during spring prior to their freshman year.

### Course Description

#### X111 Freshman Interest Group (1 cr.)

S/F grading. Designed to help Freshman Interest Groups (FIGs) students make the academic transition to Indiana University, this course helps students sharpen study skills; introduces campus academic, cultural, and student service resources; and assists students in integrating course content from FIGs courses. Students must be enrolled in the FIGs program.

### Freshman Seminars (COLL)

Freshman Seminars (S103, S104, S105) are open to freshmen only. Each seminar is limited to 20 students. See course descriptions under "Hutton Honors College" in this bulletin.

### Groups Student Support Services Program (COLL)

The Groups Student Support Services Program is jointly funded and sponsored by the U.S. Department of Education and Indiana University. The program offers a variety of services, including personal counseling, academic counseling, tutoring, enrollment in specialized courses, and activities that foster academic enrichment. The Groups Program

provides whatever reasonable support is needed toward the attainment of 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.

### Course Description

#### X113 Groups Student Success Seminar (1 cr.)

This course is designed to help students make a smooth transition to their college education by focusing on leadership development and course content related to study skills as an integrated unit. Cultural/intellectual outings and networking opportunities will be a part of the course. X113 will be co-taught by accomplished sophomore, junior, or senior Groups students.

### Hutton Honors College (COLL or HON)

Indiana University offers the Edward L. Hutton Honors College Program in an effort to present challenging educational opportunities to superior students. Ordinarily, enrollment in Hutton Honors College courses is limited to those who have been formally admitted to the Hutton Honors College. For further information, contact the Hutton Honors College, 324 N. Jordan Avenue, (812) 855-3555.

### Course Descriptions

Courses below carry the prefix "COLL."

#### S103 Freshman Seminar in Arts and Humanities (3 cr.) A & H, TFR

P: Freshman standing and consent of the Hutton Honors College or 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 will vary. Open only to freshmen. Credit given for only one of COLL S103 or COLL E103.

#### S104 Freshman Seminar in Social and Historical Studies (3 cr.) S & H, TFR

P: Freshman standing and consent of the Hutton Honors College or 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 will vary. Open only to freshmen. Credit given for only one of COLL S104 or COLL E104.

#### S105 Freshman Seminar in Natural and Mathematical Sciences (3 cr.) N & M, TFR

P: Freshman standing and consent of the Hutton Honors College or 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 will vary. Open only to freshmen. Credit given for only one of COLL S105 or COLL E105.

Courses below carry the prefix "HON."

**H200 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.

**H203 Interdepartmental Colloquia (3 cr.)**

A & H, TFR P: Consent of Hutton Honors College. Honors seminar focusing on topics in the arts and humanities. May be repeated with a different topic for a maximum of 6 credit hours.

**H204 Interdepartmental Colloquia (3 cr.)**

S & H, TFR 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.

**H205 Interdepartmental Colloquia (3 cr.)**

N & M, TFR P: Consent of Hutton Honors College. Honors seminar focusing on topics in the natural and mathematical sciences. May be repeated with a different topic for a maximum of 6 credit hours.

**H211 Ideas and Experience I (3 cr.) A & H,**

TFR 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.

**H212 Ideas and Experience II (3 cr.) S & H,**

TFR 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.

**H299 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.

**H300 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.

**H303 Interdepartmental Colloquia (3 cr.)**

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.

**H304 Interdepartmental Colloquia (3 cr.)**

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.

**H305 Interdepartmental Colloquia (3 cr.)**

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.

**H400 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.

**H488 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.

**Individual Readings and Research (COLL)**

**X495 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.

**Initiative for Maximizing Student Diversity (IMSD) Scholars Program (formerly MEDIC-B)**

The IMSD (Initiative for Maximizing Student Diversity) Scholars Program is funded by the National Institutes of Health and is sponsored by Indiana University. The program offers a variety of services including personal and academic counseling, tutoring, and activities that foster academic enrichment for 20 underrepresented minority students who are interested in pursuing education and careers in biomedical research. One of the most exciting aspects of the IMSD 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. IMSD scholars attend national conferences, where they make formal presentations of their research to faculty and peers, and attend academic seminars and workshops. IMSD scholars also receive guidance regarding the graduate school application process.

For additional information, contact the IMSD Scholars Program Office, (812) 856-1302; e-mail [imsd@indiana.edu](mailto:imsd@indiana.edu); or visit Jordan Hall 220 or the IMSD Scholars Program Web site at [www.indiana.edu/~imsd](http://www.indiana.edu/~imsd).

### **Intensive Freshman Seminars**

Intensive Freshman Seminars is a unique residential program open to all entering freshmen at Indiana University Bloomington that provides a bridge to a successful college career. 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.

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, contact the IFS office at Maxwell Hall 120, (812) 855-3839.

Also see the course descriptions for Freshman Seminars (COLL S103, S104, S105) under "Hutton Honors College" in this bulletin.

## **Living-Learning Centers**

### **Collins Living-Learning Center (CLLC)**

A residential academic program located in the Collins Quadrangle, the Collins Living-Learning Center offers academic opportunities for students interested in exploring a variety of academic disciplines.

### **Course Descriptions**

**L100 Collins Seminar (1-3 cr.)** 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.

**L102 Supplementary Component in Environmental Learning (1 cr.)** P: Consent of instructor. Supplementary course that connects academic content with environmental projects. May be repeated for a total of 6 credit hours.

**L110 Collins Seminar (3 cr.) 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.

**L120 Collins Seminar (3 cr.) S & 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.

**L130 Collins Seminar (3 cr.) N & M** 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.

**L200 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.

**L210 Collins Colloquium (3 cr.) A & 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.

**L220 Collins Colloquium (3 cr.) 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.

**L230 Collins Colloquium (3 cr.) 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.

**L300 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.

**L310 Collins Symposium (3 cr.) 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.

**L320 Collins Symposium (3 cr.) 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.

**L330 Collins Symposium (3 cr.) 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.

**L400 Independent Group Study (1-3 cr.)**  
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. This course may be repeated with different topics, for a maximum of 6 credit hours. (For Collins residents only.)

**L402 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.

**Q199 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. Does not count toward the 100 credit hour requirement of the College of Arts and Sciences.

**Q299 Peer Instructor Workshop (1 cr.)** Trains undergraduate peer instructors to prepare and teach Q199 Residential Learning Workshop at the Collins Living-Learning Center. Does not count toward the 100 credit hour requirement of the College of Arts and Sciences.

**S103 Collins Living-Learning Center Freshman Seminar (3 cr.) A & H, FTR**  
Specific topics will vary by section and over time, but all versions of S103 will meet the

objectives of the College of Arts and Sciences Topics curriculum. Freshman seminars are open to freshmen who will learn how scholars from the arts and humanities distribution 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 E103, COLL S103, CLLC S103, or GLLC S103.

## Global Village (GLLC)

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.

## Course Descriptions

**G100 Global Village Seminar (1-3 cr.)**  
P: Permission of Global Village director. Introduction to 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.

**G110 Global Village Seminar (3 cr.) A & H**  
P: Permission of Global Village director. Introduction to 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.

**G120 Global Village Seminar (3 cr.) S & H**  
P: Permission of Global Village director. Introduction to 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.

**G130 Global Village Seminar (3 cr.) N & M**  
P: Permission of Global Village director. Introduction to a topic or issue of international dimensions 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.

**G200 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.

**G210 Global Village Colloquium (3 cr.) A & H 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.



**G220 Global Village Colloquium (3 cr.)**

**S & H 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.

**G230 Global Village Colloquium (3 cr.)**

**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.

**G291 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.

**G300 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.

**G310 Global Village Symposium (3 cr.)**

**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.

**G320 Global Village Symposium (3 cr.)**

**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.

**G330 Global Village Symposium (3 cr.)**

**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.

**Q199 Introduction to the Global Village**

**(1 cr.) P:** Residence in the Global Village Living-Learning Center. Small discussion groups led by undergraduate Village residents consider topics relevant to the purpose and operation of the Center, community living, and the relation of the Village to the university. Introduction to campus international resources. Students complete a project that contributes to the Village's purpose. Does not count toward the 100 credit hour requirement of the College of Arts and Sciences.

**Q299 Peer Instructor Workshop (2 cr.)**

**P:** Permission of Global Village director. Required workshop for Global Village residents preparing to teach Q199. Does not count toward the 100 credit hour requirement of the College of Arts and Sciences.

**S103 Global Village Living-Learning Center Freshman Seminar (3 cr.)**

**A & H, TFR** Specific topics will vary by section and over time, but all versions of S103 will meet the objectives of the College of Arts and Sciences Topics curriculum. Freshman seminars are open to freshmen who will learn how scholars from the arts and humanities distribution 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 E103, COLL S103, CLLC S103, or GLLC S103.

**S104 Global Village Living-Learning Center Freshman Seminar (3 cr.)**

**S & H, TFR** Specific topics will vary by section and over time, but all versions of S104 will meet the objectives of the College of Arts and Sciences Topics curriculum. Freshman seminars are open to freshmen who will learn how scholars from the social and historical studies distribution 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 E104, COLL S104, LAMP S104, or GLLC S104.

**S105 Global Village Living-Learning Center Freshman Seminar (3 cr.)**

**N & M, TFR** Specific topics will vary by section and over time, but all versions of S105 will meet the objectives of the College of Arts and Sciences Topics curriculum. Freshman seminars are open to freshmen who will learn how scholars from the natural and mathematical sciences distribution 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 E105 or COLL S105 or GLLC S105.

**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 include research and teaching experiences. 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, attend academic seminars and workshops, and have an opportunity to participate in an undergraduate teaching internship. McNair Scholars receive guidance regarding the graduate school application process and fellowships, graduate assistantships, and loans; attend a Graduate Record Exam preparation course; and visit other campuses to learn about graduate school life.

Students from any College of Arts and Sciences major are eligible to apply to the McNair Scholars Program. For additional information and eligibility requirements, contact the McNair Scholars Program Office at 803 E. Eighth Street, (812) 855-1135.

### **Special Skills Courses (COLL)**

#### **C101 Introduction to Chess (1 cr.)**

An introduction to chess including the rules, strategies, and history of the game. S/F grading.

#### **Q175 Welcome 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.

### **The Topics Program (COLL)**

The Topics Program introduces students to the way scholars from different distribution areas frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Students can use E103 or S103 to satisfy one course in the Arts and Humanities distribution area, E104 or S104 to satisfy one course in the Social and Historical Studies distribution area, and E105 or S105 to satisfy one course in the Natural and Mathematical Sciences distribution area. Other Topics-Qualified courses are offered with departmental headings and with distribution credit as indicated. For a listing of all courses that can satisfy the Topics requirement, see "Appendix III" in this bulletin. For updates of Topics courses, see the College Web site at [www.indiana.edu/~college/topics/](http://www.indiana.edu/~college/topics/).

Freshman Seminars are open to freshmen only. Each seminar is limited to 20 students. See course descriptions for Freshman Seminars (COLL S103, S104, S105) under "Hutton Honors College" in this bulletin.

### **Course Descriptions**

#### **E103 Topics in Arts and Humanities (3 cr.)**

**A & H, TFR** Specific topics will vary by section and over time, but all versions of E103 will meet the objectives of the College of Arts and Sciences Topics curriculum. The curriculum is open to freshmen and sophomores, who will learn how scholars from the arts and humanities distribution area frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Credit given for only one of E103 or S103.

#### **E104 Topics in Social and Historical Studies (3 cr.)**

**S & H, TFR** Specific topics will vary by section and over time, but all versions of E104 will meet the objectives of the College of Arts and Sciences Topics curriculum. The curriculum is open to freshmen and sophomores, who will learn how scholars from the social and historical studies distribution area frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Credit given for only one of E104 or S104.

#### **E105 Topics in Natural and Mathematical Sciences (3 cr.)**

**N & M, TFR** Specific topics will vary by section and over time, but all versions of E105 will meet the objectives of the College of Arts and Sciences Topics curriculum. The curriculum is open to freshmen and sophomores, who will learn how scholars from the natural and mathematical sciences distribution area frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Credit given for only one of E105 or S105.

## Additional Programs

- 349 Approved Outside Minors
- 350 Business
- 351 Dentistry
- 351 Earth Science
- 352 Education
- 353 Environmental Studies
- 353 Health, Physical Education, and Recreation
- 356 Informatics
- 356 Journalism
- 357 Labor Studies
- 357 Medicine
- 358 Music
- 360 Optometry
- 360 Public and Environmental Affairs
- 361 Social Work
- 362 Studying Abroad
- 363 Urban Studies



## List of Approved Outside Minors

A student may complete up to three minors. The following minors from schools other than the College of Arts and Sciences may be included in that total, and may be listed on the transcript of a College of Arts and Sciences student who completes the appropriate requirements. Minors are listed on the transcript at the point of graduation. Students should see the relevant school and also the College of Arts and Sciences Recorder's Office (Kirkwood Hall 001) for further information.

- Business-Undergraduate  
(Kelley School of Business)
- Dance (Health, Physical Education, and Recreation)
- Entrepreneurship and Small Business Management (Kelley School of Business)
- Environmental Management  
(Public and Environmental Affairs)
- Environmental Sciences and Health  
(Public and Environmental Affairs)
- Exercise Science (Health, Physical Education, and Recreation)
- Fund Raising and Resource Development  
(Health, Physical Education, and Recreation)
- Human Development/Family Studies  
(Health, Physical Education, and Recreation)
- Information Technology (Informatics)
- Labor Studies for Liberal Arts (Labor Studies)
- Music-Liberal Arts (College of Arts and Sciences)  
(program to be discontinued as of July 1, 2007)
- Music Studies (Jacobs School of Music)
- Nutrition Science (Health, Physical Education, and Recreation)
- Public and Environmental Affairs  
(Public and Environmental Affairs)
- Public Human Resources  
(Public and Environmental Affairs)
- Public Management  
(Public and Environmental Affairs)

### Special Minors

- Business minor for Apparel Merchandising majors
- Business minor for Telecommunications majors

## Kelley School of Business

Students certified to earn a bachelor's degree in the College of Arts and Sciences who have already completed 26 or more credit hours of college course work that count toward graduation may obtain the minors listed below from the Kelley School of Business by successfully completing the business course work given for each. Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. An overall grade point average of 2.000 is required to earn each minor. All 300-level courses must be taken on the IU Bloomington campus. The College of Arts and Sciences limits the number to 22 credit hours outside the College that will count toward a degree. Students who are unclear about these rules should check with the College Recorder's Office, Kirkwood Hall 001. Students should fill out an Application for Minor form in the College Recorder's Office during their senior year to have the minors listed on the transcript.

Apparel Merchandising and Telecommunications have established their own requirements for a minor in business; students majoring in those areas should consult with their major advisor.

### Minor in Business

Students pursuing a baccalaureate degree on the Bloomington campus in the College of Arts and Sciences; the School of Music; the School of Health, Physical Education, and Recreation; the School of Continuing Studies; or the School of Public and Environmental Affairs may obtain a minor in business by successfully fulfilling the following requirements (course may not be taken through independent study).

Complete 26 or more credit hours of college course work that counts toward graduation and be admitted to a degree-granting school.

Successfully complete the following courses:  
 BUS A200 (A100 and A201 or A100 and A202)  
 BUS K201 (grade of C or higher required)  
 BUS L201

Four of the following five:

BUS F300  
 BUS G300  
 BUS M300  
 BUS P300  
 BUS Z302 or J306

ECON E201 is recommended to round out the student's minor in business but not required.

**Important Note:** The College of Arts and Sciences, School of Continuing Studies, and School of Journalism require a grade of C- or higher in each course (except for K 201, which requires a grade of C or higher), and an overall GPA of 2.000 in all courses required for the minor. All other units or schools on the Bloomington campus require a grade of C in K 201 and an overall GPA of 2.000 in all courses required for the minor. The College of Arts and Sciences (COLL) limits the number of credit hours outside the College that will count towards a degree. See the College of Arts and Sciences Bulletin for details. Students who are unclear about requirements or minimum grades should check with the College Recorder's Office, Kirkwood Hall 001.

It is the student's responsibility to check with his or her individual school to make sure the proper procedures for declaring the minor and completing requirements are followed. Students completing a business minor should fill out an Application for Minor form in the Recorder's Office of the school in which they intend to graduate in order to have the minor listed on their transcripts.

Students should meet with an advisor from their major department to ensure that program planning is accurate.

### Minor in Entrepreneurship and Small Business Management

BUS A200 (see note below)  
 BUS K201 (see note below; also note minimum C grade required)  
 BUS L201  
 BUS M300  
 BUS W211  
 BUS W300

One additional elective from Bus F300, P300, G300, J306, or Z302.

**BUS A200 note:** Students may complete A100 and either A201 or A202 instead of A200 for either minor (A100 is a prerequisite for both A201 and A202).

**BUS K201 note:** Computer Science majors may substitute CSCI C211 for K201 in either minor.

**Note for both minors:** All 300- and 400-level course work must be completed on the Bloomington campus. None of the course work may be taken by independent study/correspondence, distance education, or "Courses to Go."

## School of Dentistry

Students may be admitted to the School of Dentistry upon receipt of their bachelor's degrees or at the end of three years in the College of Arts and Sciences. 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 after completing 90 credit hours in the College of Arts and Sciences and who have satisfied the fundamental skills, distribution, and major concentration requirements, including a concentration in the College, may apply 32 credit hours earned their first year in dentistry as electives and, at the end of that year, earn the bachelor's degree. See also "General Requirements for Bachelor's Degrees" in this bulletin.

## Earth Science

Candidates for the B.A. degree who wish to qualify for a secondary teacher's certificate (see below) 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 Program Bulletin.



## School of Education

With very careful planning, a student may earn a teacher's certificate for senior high/junior high/middle school or all-grade education while working toward a bachelor's degree in the College of Arts and Sciences, while still completing the requirements for each in four years. For details, see the School of Education Undergraduate Program Bulletin.

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 second semester of their sophomore year. Criteria for admission are:

1. An overall grade point average of 2.500 or higher.
2. Completion of Communication and Culture C121 or C122 and English W131 or its equivalent with a grade of at least C in each. C121 may not be taken by correspondence.
3. Successful completion of the State mandated PRAXIS I Pre-Professional Skills Test (reading, writing, and math).
4. Completion of at least 12 credit hours of course work in the major with a 2.5000 (except Mathematics 2.000) or higher grade point average.
5. Successful completion of Education M300, P312, P313, and W201 for secondary students. All grade students need M201, P254, M300, and W200 with a grade of at least C in each.

### Minimum Academic Standards for Licensing

1. An overall grade point average of 2.500 or higher.
2. A grade point average of 2.500 or higher in all courses in the content field (major).
3. A grade point average of 2.500 or higher in all professional education courses and no grade less than C.
4. Successful completion of Praxis II test in the content field (major).
5. Successful completion of all program course work requirements.  
Initial Teaching License  
Senior High/Junior High/Middle School Settings  
All School Settings (K-12)

A candidate must take certain required course work in three broad categories:

1. General education: humanities (including oral and written expression), life and physical sciences, social and behavioral sciences;
2. Professional education;
3. Subject matter concentration(s).

Courses used to satisfy general-education requirements also may be applied to fulfill requirements for a subject matter concentration. In such a case the course may be used to meet all requirements to which it will apply, but the credit hours may be counted only once toward the total 124 credit hours needed for a degree. No courses below the 100 level and no College of Arts and Sciences "J" courses may be used to meet this requirement.

Licensure in any of the areas offered by the School of Education of Indiana University requires completion of specified general-education and professional courses in addition to the completion of the subject area or areas. To be eligible for secondary levels and K-12 school settings licensure, at least one content area is required.

All secondary and K-12 setting programs are under revision. Please contact a School of Education advisor for accurate and current information.

## Environmental Studies

Effective July 1, 2006, the College of Arts and Sciences will discontinue the B.A. major in Environmental Studies (which has always been available only as a second major).

College of Arts and Sciences students on the IU Bloomington campus who are currently in this major (formally declared), or who formally declare the major by 4:00 p.m. on June 30, 2006, will be allowed to complete the major as long as they do so in a timely manner (within eight years of their matriculation to the IU system, any campus).

There will be no change to the B.S. in Environmental Science (B.S.E.S.), which will remain available to students in the College of Arts and Sciences and in the School of Public and Environmental Affairs.

## Health, Physical Education, and Recreation

### Department of Kinesiology

#### Dance Minor

This minor requires 18 credit hours. A minimum grade of C- is required in each course. A minimum overall minor GPA of 2.000 is required. The pass/fail option is not permitted for minor courses.

#### REQUIRED CORE COURSES

HPER D111 Core of Dance Techniques I (3 cr.)  
(fall)

HPER D332 Dance and the Allied Arts II (3 cr.)  
(fall)

#### EMPHASIS

Select 6 credit hours from ONE of the following categories:

##### Teaching/Dance Science

HPER D200 Dance in Elementary Education  
(1 cr.)

HPER P205 Structural Kinesiology (3 cr.)

HPER P224 Teaching of Dance Activities (2 cr.)

HPER D351 Teaching of Modern Dance (1 cr.)  
P:D211

HPER P495 Lab Teaching in Physical Education  
(1 cr.) (Permission of instructor)

HPER A387 Management of Dance Injuries  
(3 cr.) P: P205

HPER D461 Basic Movement Analysis (1 cr.)

#### OR

##### Performance/Choreography

HPER E100 Conditioning for the Dancer (1 cr.)

AAAD A100 African American Dance  
Company (2 cr.) (By audition)

HPER D121 Techniques of Movement  
Improvisation (1 cr.) (fall)

HPER D161 Foundations of Modern Dance  
(1 cr.) (P: D121)

HPER D221 Dance Composition I (2 cr.)  
(P: D161; fall)

HPER D222 Dance Composition II (2 cr.)  
(P: 221; spring)

HPER D421 Choreographic Performance Project  
(2 cr.) (P: D222; spring)

THTR T300 Musical Theatre Workshop (3 cr.)  
(By audition) (fall) or

THTR T410 Movement for the Theatre (3 cr.)  
(P: T120)

HPER D441 Dance Production I (2 cr.)

#### OR

##### Interdisciplinary

Select 6 credit hours combined from Teaching/Dance Science and Performance/Choreography

**MODERN TECHNIQUE***Select 3 credit hours of modern dance*

- HPER D211/D311; D212/D312 Advanced Modern Technique I, II; Theory and Practice I, II (2-3 cr.) (*By audition only*)  
 HPER E155 Modern Dance I Beginning (1 cr.)  
 HPER E255 Modern Dance I Intermediate (1 cr.)  
 HPER E355 Modern Dance I Advanced (1 cr.)

**SUPPORTING TECHNIQUE***Select 3 credit hours of a supporting dance form (OR choose 3 additional credit hours from 'Modern Technique' above)*

- AAAD A102 Introduction to Black Dance Styles (2 cr.) (fall) or  
 AAAD A300 Jazz Dance Movement Styles (2 cr.) (spring)  
 HPER E100 Middle Eastern Dance (1 cr.)  
 HPER E132 Irish Dance I Beginning (1 cr.)  
 HPER E232 Irish Dance I Intermediate (1 cr.)  
 HPER E156 Introduction to Jazz Dance Technique (1 cr.)  
 HPER E256 Jazz Dance Intermediate (1 cr.)  
 HPER E456 Jazz Dance Advanced (2 cr.)  
 HPER E457 Jazz Repertory (1 cr.)  
 HPER E154 Tap Dance I Beginning (1 cr.)  
 HPER E254 Tap Dance I Intermediate (1 cr.)  
 HPER E354 Tap Dance I Advanced (1 cr.)  
 MUS J100 Ballet Elective/Secondary (2 cr.)

**Note:** The College of Arts and Sciences limits the number of outside hours that will count toward a degree. Students should check with an advisor in their school for information about minor rules. HPER will provide a letter or certificate indicating completion of the minor upon request.

**Exercise Science Minor**

This minor requires 18 credit hours. A minimum grade of C- is required in each course. A minimum overall minor GPA of 2.0 is required. The pass/fail option is not permitted for minor courses.

**Kinesiology Core (3 cr.)***Required:*

- HPER P212 Introduction to Exercise Science (3 cr.)

*Select 15 credit hours from the following courses:*

- HPER P205 Structural Kinesiology (3 cr.)  
 HPER P391 Biomechanics (3 cr.)  
 HPER P398 Adapted Physical Education (3 cr.)  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER P488 Athletic Training Assessment of and Adaptation for Individuals with Physical Disabilities (3 cr.)  
 HPER P490 Motor Development and Learning (3 cr.)

**Department of Applied Health Science****Minor in Human Development/Family Studies (15 cr.)**

A minimum grade of C- is required in each course. A minimum overall minor GPA of 2.000 is required. The pass/fail option is not permitted for minor courses.

*Required (6 cr.):*

- HPER F150 Introduction to Life Span Development (3 cr.)  
 HPER F258 Marriage and Family Interaction (3 cr.)

**Elective courses—select two courses (6 cr.):**

- HPER F255 Human Sexuality (3 cr.)  
 HPER F317 Topical Seminar in Human Development/Family Studies (3 cr.)  
 HPER F355 Leading Family Process Discussion Groups (3 cr.)  
 HPER F341 Effects of Divorce on Children (3 cr.)  
 HPER F345 Parent-Child Interaction (3 cr.)  
 HPER F346 Human Development I—Conception through Early Childhood (3 cr.)  
 HPER F347 Human Development II—Middle Childhood through Adolescence (3 cr.)  
 HPER F348 Human Development III—Early, Middle, and Late Adulthood (3 cr.)  
 HPER F370 Family Health and the Media (3 cr.)  
 HPER F417 African American and Latino Families (3 cr.)  
 HPER F453 Family Life Education (3 cr.)  
 HPER F457 Stress in the Family (3 cr.)  
 HPER F459 Families and Atypical Children (3 cr.)  
 HPER F460 Grief in a Family Context (3 cr.)

**Minor in Nutrition Science (15 cr.)**

A minimum grade of C- is required in each course. A minimum overall minor GPA of 2.000 is required. The pass/fail option is not permitted for minor courses.

*Required (6 cr.):*

- HPER N120 Introduction to Foods (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.) or  
 HPER N231 Human Nutrition (3 cr.)

**Select 3 of the following 5 courses (9 cr.):**

- HPER N317 Nutrition in the Community (3 cr.)  
 HPER N317 Diet, Disease and Fitness (3 cr.)  
 HPER N320 Food Chemistry (3 cr.)  
 HPER N331 Life Cycle Nutrition (3 cr.)  
 HPER N430 Advanced Nutrition I (3 cr.)  
 HPER N432 Advanced Nutrition II (3 cr.)  
 HPER N480 Mechanisms of Nutrient Action in the Body (3 cr.)



## Department of Recreation and Park Administration

### Minor in Fundraising and Resource Development (18 cr.)

2.000 minimum cumulative GPA required.  
No Pass/Fail.

*Required courses (5 cr.)*

HPER T101 Resource Development/  
Fundraising (3 cr.)

HPER T201 Annual Giving (2 cr.) (Spring  
semester only)

### Choose two courses in fundraising and resource development from the following list (4 cr.):

HPER T202 Major Gifts and Planned Giving  
(2 cr.)

HPER T203 Development Services (2 cr.)

HPER T301 Capital Campaigns (2 cr.)

HPER T302 Development Marketing and  
Analytical Services (2 cr.)

HPER T401 Advanced Planning Giving  
Techniques, Wills, and Estates (2 cr.)

### Choose one course in ethics from the following list (3 cr.):

PHIL P140 Introduction to Ethics (3 cr.)

REL R170 Religion, Ethics, and Public Life (3 cr.)

### Choose one course in writing and public speaking from the following list (3 cr.):

CMCL C121 Public Speaking (3 cr.)

CMCL C122 Interpersonal Communication  
(3 cr.)

CMCL C205 Introduction to Communication  
and Culture (3 cr.)

CMCL C223 Business and Professional  
Communication (3 cr.)

CMCL C225 Discussion and Decision Making  
(3 cr.)

CMCL C228 Argumentation and Public  
Advocacy (3 cr.)

CMCL C229 Ways of Speaking (3 cr.)

ENG W231 Professional Writing Skills (3 cr.)

ENG W240 Community Service Writing (3 cr.)

ENG W270 Argumentative Writing (3 cr.)

ENG W350 Advanced Expository Writing (3 cr.)

THTR T115 Oral Interpretation (3 cr.)

THTR T120 Acting I (3 cr.)

### Choose one course in social organization and behavior from the following list (3 cr.):

ANTH E105 Culture and Society (3 cr.)

HIST A307 American Cultural History (3 cr.)

HIST A347 American Urban History (3 cr.)

POLS Y105 Introduction to Political Theory  
(3 cr.)

POLS Y308 Urban Politics (3 cr.)

POLS Y326 American Social Welfare Policy  
(3 cr.)

SOC S215 Social Change (3 cr.)

SOC S217 Social Inequality (3 cr.)

SOC S360 Topics in Social Organization (3 cr.)  
(appropriate topics)

SPEA V221 Nonprofit and Voluntary Sector  
(3 cr.)

SPEA V326 Nonprofit Management and  
Leadership (3 cr.)

**Note:** An internship (T499) is strongly  
recommended for all minor students.

A C- minimum grade is required for each  
course by all College of Arts and Science minor  
students.

A minimum of 6 credit hours must be taken at  
the 300400 course level by all College of Arts  
and Science minor students.

## School of Informatics

### Minor in Informatics

Students earning a bachelor's degree in the College of Arts and Sciences may obtain a minor from the School of Informatics by successfully completing the following.

1. Minimum grade of 2.000 (C) in all courses taken for the minor.
2. Courses taken for the minor must be 3 credit hours or above.
3. Students are required to take three courses from the following list:
  - INFO I101 Introduction to Informatics (4 cr.)
  - INFO I202 Social Information (3 cr.)
  - INFO I210 Information Infrastructure I (4 cr.) [cross-listed with CSCI A201]
  - INFO I211 Information Infrastructure II (4 cr.) [cross-listed with CSCI A202]
  - INFO I308 Information Representation (3 cr.)
4. Students are required to take two courses from the following list of upper-level courses:
  - INFO I300 Human-Computer Interaction Design (3 cr.)
  - INFO I303 Organizational Informatics (3 cr.)

### Certificate in Informatics

Students earning a bachelor's degree in the College of Arts and Sciences may obtain a certificate from the School of Informatics by completing the following.

1. Minimum grade of 2.000 (C) in all courses taken for the minor.
2. Students are required to complete 27 credit hours from the following list:
  - INFO I101 Introduction to Informatics (4 cr.)
  - INFO I202 Social Informatics (3 cr.)
  - INFO I210 Information Infrastructure (4 cr.) [cross-listed with CSCI A201]
  - INFO I211 Information Infrastructure II (4 cr.) [cross-listed with CSCI A202]
  - INFO I300 Human-Computer Interaction Design (3 cr.)
  - INFO I303 Organizational Informatics (3 cr.)
  - INFO I308 Information Representation (3 cr.)

In addition, students must take an additional course (3 credit hours) from the School of Informatics curriculum. These additional courses can be chosen from the listed electives for the School of Informatics and can therefore be taken in another department, if the other department is not the student's major department.

## School of Journalism

### Certificate in Journalism

Students in good academic standing at Indiana University who are not majoring in telecommunications or any other mass communications discipline are eligible to apply to the certificate program in journalism.

Students must file an application with the School of Journalism for admission to the certificate program. Students must successfully complete 26 credit hours, including the following, to be eligible for admission to the program:

1. Journalism J110 with a minimum grade of C.
2. English composition with a minimum grade of C, or exemption.
3. The mathematics fundamental skills requirement with a minimum grade of C- or exemption.
4. One semester of a foreign language.
5. A minimum cumulative grade point average of 2.200 to be eligible (FX will be calculated as F).

The following are courses required for the certificate. A grade of C- or higher in each course and an overall GPA of 2.000 in all courses taken for the Certificate are required.

1. Journalism J110, J155 (1 cr.), J200, J201, J210, J300, J410.
2. One skills course from J315, J335, J341, J342, J343, J344, J351, J352, J354, J420, J429, J455, J463.
3. Elective: Students may take their elective course in the School of Journalism, or they may substitute an intensive writing course or a statistics course from the College of Arts and Sciences.

# Division of Labor Studies      School of Medicine

## Minor in Labor Studies

A minimum grade of C- is required in each course. A minimum overall minor GPA of 2.000 is required. The pass/fail option is not permitted for minor courses. The Minor in Labor Studies for Liberal Arts consists of 15 credit hours, of which 6 credit hours must be drawn 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)

## Medical Sciences Program

### Faculty

**Interim Director** Professor John B. Watkins

**Professors** Talmage R. Bosin (Emeritus), Mark Braun, Bruce J. Martin, Anthony Mescher, Anton Neff, Roderick Suthers

**Associate Professors** David Daleke, John Foley, Joseph Near, Kenneth Nephew, Henry Prange, Claire Walczak

**Assistant Professors** Steve Dougherty, Richard Mynark, Valerie O'Loughlin, Christine Quirk, Mark Ronan

Although a bachelor's degree is not offered in either anatomy or physiology, the courses listed below are undergraduate courses offered under the auspices of the School of Medicine, Medical Sciences Program. Students should also see the "Biology" section in this bulletin.

### Courses

- MSCI M131 Disease and the Human Body (3 cr.) **N & M**
- ANAT A215 Basic Human Anatomy (5 cr.)  
**N & M**
- PHSL P215 Basic Human Physiology (5 cr.)  
**N & M**
- MSCI M216 Medical Science of Psychoactive Drugs (3 cr.)
- MSCI P416 Comparative Animal Physiology (3 cr.)
- PHSL P417 Neurobiology (3 cr.)
- PHSL P418 Laboratory in Comparative Animal Physiology (2 cr.)
- PHSL P421 Principles of Human Physiology (3-5 cr.)
- MSCI M450 Undergraduate Research in Biomedical Sciences (1-6 cr.)
- ANAT A464 Human Tissue Biology (4 cr.)
- MSCI M470 Mechanisms of Human Disease (3 cr.)
- MSCI M490 Special Topics in Biomedical Sciences (1-6 cr.)
- MSCI M499 Internship in Medical Sciences Instruction (3 cr.)

Academic counseling information and assistance may be obtained at the Health Professions and Prelaw Center, Maxwell Hall 010, (812) 855-1873.

# Jacobs School of Music

## Introduction

A limited number of courses in the theory and history of music given in the Jacobs School of Music are accepted for credit toward degrees in the College of Arts and Sciences. The B.A. in music is designed for students who want a general knowledge of the history and theory of music; it is not a professional degree. Students working toward this degree are not eligible to take courses in music education such as methods, student teaching, etc., to fulfill certification requirements.

## Major in Music—B.A.

Effective July 1, 2007, the College of Arts and Sciences will discontinue the B.A. major in Music. College of Arts and Sciences students on the IU Bloomington campus who are currently in this major (formally declared), or who formally declare the major by 4:00 p.m. on June 30, 2007, will be allowed to complete the major as long as they do so in a timely manner (making themselves eligible for graduation within eight years of their matriculation to the IU system, any campus).

**Requirements** Students must complete the following, (for course descriptions see the Jacobs School of Music Bulletin):

1. T151-T152-T251-T252-T351 Theory and Literature I-II-III-IV-V (3-3-3-3-3 cr.); M401-M402 History and Literature of Music I-II (4-4 cr.). 3 additional credit hours elected from 300- or 400-level courses in music theory or history (T3\*\*, T4\*\*, M3\*\*, or M4\*\*).
2. Four semesters of enrollment in individual performance study (applied music), ordinarily on a single instrument (Z110).
3. Four semesters of enrollment in a performance ensemble (X001, X040, X050, X060, X070, or X414).

Students satisfying requirements for the B.A. with a major in music are required to earn credits in applied music and ensembles, credits that are considered outside the College of Arts and Sciences. Students earning the B.A. with a major in music may take a maximum of 32 credit hours outside the College if the courses are required for their major degree program.

In addition to the basic university fees, students will pay the performance study fee for each performance study course taken.

## Minor in Music in the College of Arts and Sciences

Effective July 1, 2007, the College of Arts and Sciences will discontinue the Minor in Music in the College of Arts and Sciences. College of Arts and Sciences students on the IU Bloomington campus who are currently in this minor (formally declared), or who formally declare this minor by 4:00 p.m. on June 30, 2007, will be allowed to complete the minor as long as they do so in a timely manner (in conjunction with graduation with an appropriate bachelor's degree within eight years of their matriculation to the IU system, any campus).

**Requirements** At least 15 credit hours in music, including T151-T152 (3-3 cr.), T251-T252 (3-3 cr.), and one course from the following: T351, M401, M402, M410, T412, T416, T417, T418, or another "M" or "T" course at the 400 level, as approved by the director of undergraduate studies in music. Admission to the minor must be approved by the director of undergraduate studies in music.

**Note:** Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. The cumulative grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.

## Minor in Music Studies in the Jacobs School of Music

**Requirements** Minimum of 20 credit hours, of which at least 15 (including a minimum of one core course) must be taken on the student's home campus, Bloomington or Indianapolis.

### Core (6 credit hours)

Z111 Introduction to Music Theory (3 cr.) and Z101 Music for the Listener (3 cr.), or T109 Rudiments of Music (3 cr.) and T151 Music Theory and Literature I (3 cr.), may be substituted for students who qualify.

### Ensemble/Live Performance (2 credit hours)

Either two semesters of X001 Ensemble for Non Music Majors (1 cr.) or by audition, one semester of X040 Instrumental Ensembles (2 cr.), X070 Choral Ensembles (2 cr.), X030 Ballet Ensemble (2 cr.), X050 Marching Hundred for Non-Music Majors (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 his/her counterpart in the student's home school (associate dean for undergraduate education in the College of Arts and Sciences, for example). Music ensemble credits beyond the two required above will not count toward music electives. At least 6 credit hours must be at the 300 level or higher.

**Note:** Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. The cumulative grade point average of all courses taken in fulfillment of minor requirements must be at least 2.0.

### **Distribution Courses**

M393 (Z393, AAAD A393) History of Jazz (3 cr.) **A & H, CSA**

M394 Black Music in America (3 cr.) **A & H, CSA**

M395 (Z395, AAAD A395) Contemporary Jazz and Soul Music (3 cr.) **A & H, CSA**

M401 History and Literature of Music I (4 cr.) **S & H**

M402 History and Literature of Music II (4 cr.) **S & H**

T151 Music Theory and Literature I (3 cr.) **A & H**

T152 Music Theory and Literature II (3 cr.) **A & H**

T251 Music Theory and Literature III (3 cr.) **A & H**

T252 Music Theory and Literature IV (3 cr.) **A & H**

T351 Music Theory and Literature V (3 cr.) **A & H**

T410 Topics in Music Theory (3 cr.) **A & H**

T418 Music and Ideas (3 cr.) **A & H**

Z101 Music for the Listener I (3 cr.) **A & H**

Z103 Special Topics in Music for Nonmajors (3 cr.) **A & H**

Z111 Introduction to Music I (3 cr.) **A & H**

Z201 History of Rock and Roll Music (3 cr.) **A & H**

Z202 History of Rock and Roll Music II (3 cr.) **A & H**

Z301 Rock Music in the 70's and 80's (3 cr.) **A & H**

Z320 Special Topics in Popular Music (3 cr.) **A & H**

Z361 Introduction to MIDI and Computer Music (3 cr.) **N & M**

Z373 American Musical: Context and Development (3 cr.) **A & H**

Z385 History of the Blues (3 cr.) **A & H**

Z393 (M393, AAAD A393) History of Jazz (3 cr.) **A & H, CSA**

Z395 (M395, AAAD A395) Contemporary Jazz and Soul Music (3 cr.) **A & H, CSA**

Z401 The Music of the Beatles (3 cr.) **A & H**

Z402 Music of Frank Zappa (3 cr.) **A & H**

Z403 The Music of Jimi Hendrix (3 cr.) **A & H**

Z413 Latin American Popular Music (3 cr.) **A & H**

Z415 Connections: Music, Art, Literature (3 cr.) **A & H**

## School of Optometry

### Introduction

The school offers three outstanding degree programs: the two-year Associate of Science program in optometric technology 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 Program

Students completing the program 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 technical 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 fundamental skills, distribution, and major concentration requirements, including a concentration in a department of the College, may apply 32 credit hours in optometry as electives toward the bachelor's degree to be received in the initial major. See also "General Requirements for Bachelor's Degrees" in this bulletin.

### Courses for the Nonmajor

Certain courses offered by the School of Optometry, such as those that examine fundamental aspects of vision, may have application to the career fields of students completing majors in other degree programs. With the necessary prerequisites and permission of both the instructor and the dean of the School of Optometry, a nonmajor may be allowed to register for one such optometry course per semester or summer session. For advice on optometry courses that might fulfill a specific objective, the student should consult the Office of Student Administration, School of Optometry 310, (812) 855-1917.

## School of Public and Environmental Affairs

Students earning a bachelor's degree in the College of Arts and Sciences may obtain a minor from the School of Public and Environmental Affairs (SPEA). SPEA offers 11 minors on the Bloomington campus and the College of Arts and Sciences has approved the following five for its students:

- Public and Environmental Affairs
- Environmental Management
- Environmental Science and Health
- Human Resources
- Management

Students must fill out a form in the SPEA Undergraduate Office before the minor can be added to their academic record.

**Note:** Each minor consists of five SPEA courses. Any course in which the student receives a grade below C- may not be used to fulfill a minor requirement. The cumulative grade point average of all courses taken in fulfillment of minor requirements must be at least 2.000.

### Requirements for Minor in Public and Environmental Affairs

1. SPEA V160 or V161
2. SPEA E162 or E272
3. Three of the following courses SPEA E272, E400 (may be repeated for credit with advisor approval), V263, V366, V373, V376, V432, V444, V450 (may be repeated for credit with advisor approval)

### Requirements for Minor in Environmental Management

1. SPEA E272
2. One of the following courses: SPEA E311, E340, E363, E465, E466, or E476.
3. Three additional courses chosen from number two or from the following courses: SPEA E325, E355, E400 (may be repeated for credit with advisor approval), E410, E411, E412, E419, E431, E440, E451, E452, E456, E457, E460, E461, E475, H316, V401, V435

### Requirements for Minor in Environmental Science and Health

1. SPEA H316
2. POLS Y313
3. Three of the following courses: SPEA E326, E410, E431, E451, E452

### Requirements for Minor in Human Resources

1. SPEA V160 or V161
2. Each of the following courses: SPEA V366, V373, and V432
3. One of the following courses: SPEA V435, V436, V443, V450 (may be repeated for credit with advisor approval), V463

**Requirements for Minor in Management**

1. SPEA V160 or V161
2. SPEA V263
3. Three of the following courses: SPEA V340, V361, V362, V366, V368, V369, V372, V373, V376, V432, V435, V436, V443, V450 (may be repeated for credit with advisor approval), V463, V465, V475

**Note:** The College of Arts and Sciences limits to 22 the number of credit hours outside the College that will count toward a degree. Students who are unclear about these rules should check with the College Recorder's Office, Kirkwood Hall 001.

For information on B.S. in Environmental Science (B.S.E.S.) see the "Environmental Science" entry in this bulletin.

**School of Social Work****Faculty**

**Dean** Professor Michael Patchner

**Coordinator of B.S.W. Program, Bloomington**  
Assistant Professor Katharine V. Byers

**Assistant Professor** Carol Hostetter, Sabrina Williamson

**Field Coordinator** Carlene Quinn

**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:

1. Regular admission to the university.
2. 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).
3. A minimum cumulative grade point average of 2.500 on a 4.000 scale.
4. 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 prior to 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.

The School of Social Work has a strong commitment to diversity and non-discrimination. Indeed, diversity is celebrated as a strength. This perspective is demonstrated by the composition of its faculty and student body, curriculum content, recruitment and retention activities, selection of its field practicum sites, and participation in university committees and activities.

For further information, call the School of Social Work Bloomington office, 1127 E. Atwater Avenue, (812) 855-4427, or visit the Web site ([bloomington.socialwork.iu.edu/](http://bloomington.socialwork.iu.edu/)).

## Studying Abroad

The College of Arts and Sciences encourages students to take part in programs of overseas study sponsored by Indiana University (see the section "Overseas Study Programs" elsewhere in this bulletin). However, students may 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 only be awarded 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 academic 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) credit)

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, Franklin Hall 303, (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.

## Urban Studies

Students interested in the Urban Studies Certificate program should contact Susan L. White ([suswhite@indiana.edu](mailto:suswhite@indiana.edu)) in Student Building 120 (812-855-6303) regarding the status of the program.



# Indiana University

When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. With 1,129 degree programs, the university attracts students from all 50 states and around the world. The full-time faculty numbers more than 5,000 and includes members of many academic societies such as the American Academy of Arts and Sciences, the American Philosophical Society, and the National Academy of Sciences.

Indiana University was founded at Bloomington in 1820 and is one of the oldest and largest institutions of higher education in the Midwest. It serves nearly 100,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the university. Campuses in Gary, Fort Wayne, Kokomo, New Albany, Richmond, and South Bend join Bloomington and Indianapolis in bringing an education of high quality within reach of all of Indiana's citizens.

## General Policies

### Equal Opportunity/Affirmative Action Policy of Indiana University

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 consideration of such characteristics as age, color, disability, ethnicity, gender, 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 Vietnam-era veterans.

An Affirmative Action office on each campus monitors the university's policies and assists individuals who have questions or problems related to discrimination.

### Special Assistance

For people who have disabilities and need special assistance, special arrangements can be made to accommodate most needs. In Bloomington, contact Disability Services for Students at (812) 855-7578; at IUPUI, contact Adaptive Educational Services at (317) 274-3241.

### Confidentiality of Student Records

In accordance with federal statutes and regulations, student records are confidential and available for disclosure to persons other than the student only under stated conditions.

### Student Rights and Responsibilities

A statement of students' rights and responsibilities is published in a handbook, *Code of Student Rights, Responsibilities, and Conduct*, which contains a description of due process hearings in the event of disciplinary action.

**Degree Requirements** Students are responsible for understanding all requirements for graduation and for completing them by the time they expect to graduate. Information about a specific school or division can be found in the front section of the bulletin for that school.

*Requests for deviation* from department, program, or school requirements may be granted only by written approval from the respective chairperson, director, or dean (or a designated administrative representative). Disposition at each level is final.

## Undergraduate Admissions Policy

Indiana University has adopted the following admissions policy to ensure that undergraduate students are properly prepared for college work. These standards seek to ensure either adequate academic preparation in high school or evidence of unusual motivation on the part of each student admitted to the university. Applicants for admission to Indiana University are expected to meet the following criteria.

### Freshman Students<sup>1</sup>

1. Graduation from an accredited Indiana high school or comparable out-of-state institution, successfully completing a minimum of 28 semesters of college-preparatory courses including the following:
  - (a) Eight semesters of English. (One semester each of speech and journalism may be included.)
  - (b) Four semesters of social science (economics, government, history, psychology, or sociology).
  - (c) Four semesters of algebra (two semesters of which must be advanced algebra) and two semesters of geometry.
  - (d) Two semesters of laboratory science (biology, chemistry, or physics).

<sup>1</sup> Some academic programs require specific qualifications in addition to those enumerated in this policy.

- (e) Eight semesters in some combination of foreign language; additional mathematics, laboratory science, or social science; computer science; and other courses of a college-preparatory nature.
  - (f) Four semesters of foreign language are strongly recommended.
  - (g) Courses to develop writing composition skills are strongly recommended.
2. A rank in the upper half of the high school graduating class for Indiana residents or a rank in the upper third of the high school graduating class for out-of-state residents.
  3. A score above the median established by Indiana students on a nationally standardized admissions test. Students who have been out of high school for three or more years do not have to submit test scores unless required for admission to specific programs.
  4. Each campus may accept students who are deficient in (1), (2), or (3) of the above specifications upon receipt of such evidence as the combination of strength of college-preparatory program, rank in class, grades and grade trends in college-preparatory courses, and standardized test scores. For persons who do not meet the above criteria and who have been out of high school three or more years, admission can be based on other factors such as a General Educational Development (GED) diploma, maturity, work experience, military service, and other factors as determined by the campus.
  5. Each campus, at its discretion, may admit a student on a probationary basis and/or through faculty sponsorship.
  6. Indiana residents are expected to complete Core 40, and the Academic Honors Diploma is encouraged.

### Transfer Students<sup>1</sup>

1. Submission of official transcripts from all previous institutions attended.
2. The transcripts must reflect a cumulative grade point average of at least a 2.0 (on a 4.0 scale) for Indiana residents and at least a 2.5 (on a 4.0 scale) for out-of-state residents.
3. If the student has fewer than 26 transferable credit hours, the high school record should reflect compliance with freshman admission requirements as specified above.
4. The credentials of students seeking transfer to Indiana University will be evaluated on an individual basis.

<sup>1</sup> Some academic programs require specific qualifications in addition to those enumerated in this policy.

When students do not qualify upon first application, they will be counseled about ways of removing deficiencies so that they may qualify for admission at a later date. If any provision of this policy is held invalid, the invalidity does not affect other provisions of this policy which can be given effect without the invalid provision, and to this end the provisions of this policy are severable.

## Transfer to Other Indiana University Campuses

*The policy stated below concerning transfer credit pertains to undergraduate students only.*

Each campus has established one office to serve as the central information source for intercampus transfers. Some campuses have priority dates for students to declare an interest in making an intercampus transfer. Even if a campus has no priority date, it is important to start investigating the transfer requirements as early as possible to assure the best possibility of enrolling in your desired courses.

Consult the intercampus transfer Web site at [www.iupui.edu/~moveiu](http://www.iupui.edu/~moveiu) for detailed information and a listing of campus contacts and intercampus transfer policies. You can also initiate an intercampus transfer by completing the form on the Web site.

Students who want to transfer from one Indiana University campus to another campus should follow these procedures:

1. Meet with your home campus advisor to discuss academic preparation, grades, and other eligibility issues. You can get a general idea of how your classes may apply to another degree by using the Degree Progress Report, a computerized degree-audit system available on the Web through the OneStart portal at [onestart.iu.edu](http://onestart.iu.edu). While the advising capacity of The Degree Progress Report is qualified by each individual's circumstances, it can help you learn how courses will apply toward different degrees.
2. Consult the intercampus transfer office at the proposed new campus if academic and/or eligibility questions remain. Remember that application for intercampus transfer does not guarantee admission to the campus or a specific school on the campus. Campuses may provide additional information and contact points for questions.
3. If applicable, talk to the financial aid offices at the present and proposed campuses. Your aid eligibility does not transfer automatically from one campus to another.

4. Visit the new campus to explore possible academic and social adjustment issues; some campuses may establish special open house events for those students who have expressed interest. Some campuses may also require that you attend a special orientation program or take placement examinations.
5. If you decide to proceed with the transfer, complete the intercampus transfer form. The receiving campus will respond to you and your home campus. If you decide later not to transfer, you should notify both campuses.

## Rules Determining Resident and Nonresident Student Status for Indiana University Fee Purposes

These Rules establish the policy under which students shall be classified as residents or nonresidents upon all campuses of Indiana University for University fee purposes. Nonresident students shall pay a nonresident fee in addition to fees paid by a resident student.

These Rules shall take effect February 1, 1974; provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by this Rule, if he or she attended the university before that date and while he or she remains continuously enrolled in the university.

1. "Residence" as the term, or any of its variations (e.g., "resided"), as used in the context of these Rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.
  - (a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these Rules, but except as provided in Rule 2(c)<sup>1</sup>, such person must be a resident for 12 months in order to qualify as a resident student for fee purposes.
  - (b) Physical presence in Indiana *for the predominant purpose* of attending a

college, university, or other institution of higher education, shall not be counted in determining the 12-month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.

2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least 12 consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the University, subject to the exception in (c)<sup>1</sup> below.
  - (a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.<sup>2</sup>
  - (b) If such person comes from another state or country for the predominant purpose of attending the University, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.<sup>1</sup>
  - (c) Such person may be classified as a resident student without meeting the 12-month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."<sup>1</sup>
  - (d) When it shall appear that the parents of a person properly classified as a "resident student" under subparagraph (c) above have removed their residence from Indiana, such person shall then be reclassified to the status of nonresident; provided, that no such reclassification shall be effective until the beginning of a semester next following such removal.
  - (e) A person once properly classified as a resident student shall be deemed to remain a resident student so long as remaining continuously enrolled in the university until such person's degree shall have been earned, subject to the provisions of subparagraph (d) above.

<sup>1</sup> Rule 2(b) and 2(c) apply only to unemancipated persons under 21 years of age.

<sup>2</sup> Invocation of the provision in Rule 2(a) that applies to cases of divorce or separation requires appropriate legal documentation.

3. The foreign citizenship of a person shall not be a factor in determining resident student status if such person has legal capacity to remain permanently in the United States.
4. A person classified as a nonresident student may show that he or she is exempt from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see Rule 1 above) of Indiana for the 12 months prior to the first scheduled day of classes of the semester in which his or her fee status is to be changed. Such a student will be allowed to present his or her evidence only after the expiration of 12 months from the residence qualifying date, i.e., the date upon which the student commenced the 12-month period for residence. The following factors will be considered relevant in evaluating a requested change in a student's nonresident status and in evaluating whether his or her physical presence in Indiana is for the predominant purpose of attending a college, university, or other institution of higher education. The existence of one or more of these factors will not require a finding of resident student status, nor shall the non-existence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by sojourners in the state or which are merely auxiliary to the fulfillment of educational purposes.
  - (a) The residence of a student's parents or guardians.
  - (b) The situs of the source of the student's income.
  - (c) To whom a student pays his or her taxes, including property taxes.
  - (d) The state in which a student's automobile is registered.
  - (e) The state issuing the student's driver's license.
  - (f) Where the student is registered to vote.
  - (g) The marriage of the student to a resident of Indiana.
  - (h) Ownership of property in Indiana and outside of Indiana.
  - (i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
  - (j) The place of the student's summer employment, attendance at summer school, or vacation.
  - (k) The student's future plans including committed place of future employment or future studies.
  - (l) Admission to a licensed profession in Indiana.
  - (m) Membership in civic, community, and other organizations in Indiana or elsewhere.
- (n) All present and intended future connections or contacts outside of Indiana.
- (o) The facts and documents pertaining to the person's past and existing status as a student.
- (p) Parents' tax returns and other information, particularly when emancipation is claimed.
5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.
6. The registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.
7. A Standing Committee on Residence shall be appointed by the president of the university and shall include two students from among such as may be nominated by the student body presidents of one or more of the campuses of the university. If fewer than four are nominated, the president may appoint from among students not nominated.
8. A student who is not satisfied by the determination of the registrar has the right to lodge a written appeal with the Standing Committee on Residence within 30 days of receipt of written notice of the registrar's determination, which committee shall review the appeal in a fair manner and shall afford to the student a personal hearing upon written request. A student may be represented by counsel at such hearing. The committee shall report its determination to the student in writing. If no appeal is taken within the time provided herein, the decision of the registrar shall be final and binding.
9. The Standing Committee on Residence is authorized to classify a student as a resident student, though not meeting the specific requirements herein set forth, if such student's situation presents unusual circumstances and the individual classification is within the general scope of these Rules. The decision of the committee shall be final and shall be deemed equivalent to a decision of the Trustees of Indiana University.
10. A student or prospective student who shall knowingly provide false information or shall refuse to provide or shall conceal information for the purpose of improperly achieving resident student status shall be subject to the full range of penalties, including expulsion, provided for by the university, as well as to such other punishment which may be provided for by law.

11. A student who does not pay additional monies which may be due because of his or her classification as a nonresident student within 30 days after demand, shall thereupon be indefinitely suspended.
12. A student or prospective student who fails to request resident student status within a particular semester or session and to pursue a timely appeal (see rule 8) to the Standing Committee on Residence shall be deemed to have waived any alleged overpayment of fees for that semester or session.
13. If any provision of these rules or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of these rules which can be given effect without the invalid provision or application, and to this end the provisions of these rules are severable.

## Fees

The instructional fees listed here were approved at the April 2006 meeting of the Trustees of Indiana University. Fees are subject to change by action of the trustees. For up-to-date information about fees in effect at registration time, see the campus *Enrollment and Student Academic Information Bulletin* (Bloomington campus) or the *Registration Guide and Academic Information* (Indianapolis campus).

Certain courses and programs requiring studios, laboratories, microscopes, computers, or other special equipment may involve special fees in addition to the instructional fee. Applied music, distance education, student teaching, and some physical education courses also carry additional fees. See the campus *Enrollment and Student Academic Information Bulletin* or *Registration Guide and Academic Information* for a list of such courses and programs.

Fees for Indiana University campuses other than Bloomington and Indianapolis are published in the bulletin of the specific campus.

INSTRUCTIONAL FEES	Indiana Resident	Nonresident
	Bloomington Campus	
Undergraduate <sup>1</sup>	\$2,753.49 flat fee/semester for 12 to 17 credit hours (matriculated before summer 2003)	\$9,249.20 flat fee/semester for 12 to 17 credit hours (matriculated before summer 2003)
	\$3,328.44 flat fee/semester for 12 to 17 credit hours (matriculated summer 2003 or later)	\$9,834.60 flat fee/semester for 12 to 17 credit hours (matriculated summer 2003 or later)
	\$171.90/credit hour under 12 or over 17 (matriculated before summer 2003)	\$578.10/credit hour under 12 or over 17 (matriculated before summer 2003)
	\$207.83/credit hour under 12 or over 17 (matriculated summer 2003 or later)	\$614.75/credit hour under 2 or over 17 (matriculated summer 2003 or later)
Graduate and Professional	Business—M.B.A. Program <sup>2</sup>	\$14,527.80/semester
	Business <sup>2</sup>	\$968.60/credit hour
	Law <sup>2</sup>	\$1,033.05/credit hour;
Library and Information Science	\$7,489.85/semester for 9 or more credit hours	\$14,753.60/semester for 9 or more credit hours
	\$277.60/credit hour	\$808.65/credit hour
Optometry <sup>2</sup>	\$335.20/credit hour;	\$706.20/credit hour;
	\$6,913.40/semester for 8 or more credit hours	\$14,565.90/semester for 8 or more credit hours
Public and Environmental Affairs	\$293.35/credit hour	\$780.55/credit hour
	\$241.30/credit hour	\$702.75/credit hour
Independent Study (Correspondence)	\$138.65/credit hour	\$138.65/credit hour
Dissertation Research (G901) <sup>3</sup>	\$150.00/semester	\$150.00/semester
Advanced Research Law (B798)	\$150.00/semester	\$150.00/semester
Auditing (no credit)	\$25.00/credit hour	\$25.00/credit hour
Distance Education Special Courses <sup>4</sup>	Same as rate for on-campus instruction in respective category	

INSTRUCTIONAL FEES	Indiana Resident	Nonresident
	Indianapolis Campus	
Undergraduate (returning) <sup>1</sup> (matriculated before summer 2003)	\$166.94/credit hour	\$527.74/credit hour
Undergraduate (new) <sup>1</sup> (matriculated summer 2003 or later)	\$197.46/credit hour	\$558.86/credit hour
Graduate and Professional: <sup>1</sup>		
Business—M.B.A. Program	\$461.40/credit hour	\$940.50/credit hour
Business—Columbus M.B.A. Program	\$266.00/credit hour	\$720.00/credit hour
Business—M.P.A. Program	\$382.80/credit hour	\$780.40/credit hour
Dentistry	\$19,224.70/year	\$45,980.00/year
Engineering	\$263.05/credit hour	\$752.25/credit hour
Law	\$413.60/credit hour	\$913.45/credit hour
Library and Information Science	\$277.60/credit hour	\$808.65/credit hour
Medicine	\$23,276.10/year	\$42,130.00/year
Nursing	\$272.80/credit hour	\$825.05/credit hour
Public and Environmental Affairs	\$253.50/credit hour	\$705.45/credit hour
Physical/Occupational Therapy	\$322.70/credit hour	\$695.20/credit hour
Social Work	\$248.40/credit hour	\$661.40/credit hour
Master of Public Health	\$313.60/credit hour	\$761.20/credit hour
Master of Fine Arts	\$470.00/credit hour	\$820.00/credit hour
Other	\$226.55/credit hour	\$661.40/credit hour
Dissertation Research (G901) <sup>3</sup>	\$100.00/semester	\$100.00/semester
Auditing (no credit)	applicable credit hour rate	applicable credit hour rate
Distance Education Courses	Special rates apply to many distance education courses; check with the individual program.	
MANDATORY FEES <sup>5</sup>	Bloomington Campus	Indianapolis Campus
Intercollegiate athletics fee		\$34.98
Student health fee <sup>6</sup>	\$93.77/semester \$75.09/summer session, more than 3 credit hours	
Student activity fee <sup>7</sup>	\$34.74 or \$69.51/semester \$25.80 or \$51.60/ summer session	\$46.75 to \$87.92/semester \$9.01 or \$27.01/ summer session
Technology fee, fall or spring semesters <sup>8</sup>		
Undergraduate	\$47.47, \$94.94, \$187.86	\$59.00, \$118.10, \$177.10
Graduate/professional, nondegree students	\$47.47, \$94.94, \$187.86	\$52.80, \$91.20, \$186.90
Technology fee, summer sessions <sup>9</sup>		
Undergraduate	\$75.95 or \$150.28	\$59.00 or \$88.50
Graduate/professional, nondegree students	\$75.95 or \$150.28	\$80.00 or \$90.00
Transportation fee <sup>14</sup>	\$12.62, \$25.24, \$50.47/semester \$10.02, \$30.66/summer session	

<sup>1</sup> Includes credit courses in the School of Continuing Studies.

<sup>2</sup> M.B.A., law, and optometry students: New M.B.A. students enrolled in 1 or more credit hours of business courses will be assessed this flat rate. Returning students will be assessed their entering rate. Enrollment in any courses other than business will be assessed on a per-credit-hour basis. Law students enrolled in or after 2001-02 with 9 or more credit hours of law courses will be assessed a flat rate, and enrollment in any courses other than law will be assessed on a per-credit-hour basis. Law students entering before 2001-02 will be assessed the credit hour rate. Optometry students enrolled in 8 or more credit hours of optometry courses will be assessed a flat rate, and enrollment in any courses other than optometry will be assessed on a per-credit-hour basis. Graduate business credit hour rates apply to students enrolled in a doctoral business program.

<sup>3</sup> To keep their candidacies active, doctoral students with 90 credit hours or more and Master of Fine Arts students with 60 credit hours or more may enroll in G901 for a flat fee of \$150.00 (Bloomington). Also, they must have completed all graduate degree requirements except for the dissertation or final project/performance. Enrollment in G901 is limited to six times. Students who do not meet these criteria pay the applicable credit hour rate for dissertation research.

<sup>4</sup> In addition to instructional fee rates, course fees for education, library and information science, and HPER will be assessed. Check with the specific school for current information.

<sup>5</sup> Assessed to all students based on the number of enrolled on-campus credit hours.

<sup>6</sup> The health fee is assessed each semester/session on the bursar's bill for all day and evening students enrolled in more than 6 credit hours. Eligible individuals not covered by the health fee will be seen on a fee-for-service basis.

<sup>7</sup> Bloomington students enrolled in 3 or fewer credit hours during the fall and spring semesters pay a mandatory student activity fee of \$34.74. Students enrolled in more than 3 credit hours pay \$69.51. Summer students pay according to the number of credit hours in which they are enrolled: 3 or fewer credit hours, \$25.80; more than 3 credit hours, \$51.60. At Indianapolis, students pay a fee according to the number of credit hours in which they are enrolled each semester: 0.5 to 5.5 credit hours, \$46.75; 6 to 8.5 credit hours, \$63.92; 9 to 11.5 credit hours, \$82.49; and more than 11.5 credit hours, \$87.92. Indianapolis summer students pay \$9.01 for up to 2.5 credit hours, \$16.23 from 3 through 5.5 credit hours, and \$27.01 for above 5.5 credit hours. IUPUI Columbus students pay \$3.19 per credit hour up to a maximum of \$38.28 per semester.

<sup>8</sup> Technology fees are listed at temporary 100 percent increases until state technology funding is restored. A technology fee will be assessed according to the number of enrolled credit hours as follows: 3 credit hours or fewer; greater than 3 through 6 credit hours; greater than 6 credit hours.

<sup>9</sup> At Bloomington, summer-session students are assessed a technology fee based on the number of credit hours as follows: 3 credit hours or fewer; more than 3 credit hours. At Indianapolis, a technology fee is assessed for summer sessions according to the number of enrolled credit hours as follows: 3 or fewer credit hours and more than 3 credit hours for undergraduates, and 6 or fewer credit hours and more than 6 credit hours for graduate/professional students.



<b>INCIDENTAL FEES<sup>10</sup></b>	<b>Bloomington Campus</b>	<b>Indianapolis Campus</b>
Application for admission		
Domestic, undergraduate	\$50.00	\$50.00
Domestic, graduate	\$50.00	\$50.00
International	\$60.00	\$60.00
Deferment service fee <sup>11</sup>	\$30.00	\$25.00
Late payment charge	1.5 percent of balance	\$13.50/month
Late schedule change <sup>12</sup>	\$23.00/course added or dropped	\$22.00/course added
Late registration <sup>13</sup>	\$60.00 to \$210.00/semester \$60.00/summer session	\$45.00 to \$100.00/semester \$45.00 to \$68.00/ summer session
Transcripts	\$10.00	\$8.00
University Division services fee (freshmen and sophomores)	\$25.00/semester	
(juniors and seniors)	\$50.00/semester	
Business undergraduate program fee <sup>15</sup>	\$190.00, \$380.00, \$480.00	
M.B.A./M.P.A./M.S.I.S. program fee	\$300.00/academic year \$300.00/summer session	
Engineering program fee		\$19.50/credit hour

<sup>10</sup> Applicable to both in-state and out-of-state students.

<sup>11</sup> Fee is assessed if deferred billing option is elected.

<sup>12</sup> After drop/add period (100 percent refund period), students will be assessed \$23.00 in Bloomington and \$22.00 in Indianapolis for each added course, section change, change of arranged hours, or credit/audit change. On the Bloomington campus, students will also be assessed for each dropped course.

<sup>13</sup> A late registration fee will be assessed any student who does not register during the scheduled registration period. On the Bloomington campus, the fee is \$60.00 for students who register by the last Friday before classes begin and increases on the Monday of each successive week to a maximum of \$210.00. On the Indianapolis campus, a \$45.00 late registration fee is in effect upon conclusion of registration through the end of the first week of classes, increasing by \$23.00 the first week, \$20.00 the second week, and \$12.00 the third week to a maximum of \$100.00. In Indianapolis summer sessions, a late registration fee of \$45.00 is assessed the first week, and \$68.00 the second week and thereafter.

<sup>14</sup> At Bloomington, the ranges for the transportation fee during each semester are 3 or fewer credit hours; more than 3 through 6 credit hours; more than 6 credit hours. The ranges during each summer session are 3 or fewer credit hours; greater than 3 credit hours.

<sup>15</sup> At Bloomington, the ranges for the business undergraduate program fee are fewer than 6 credit hours; 6 to 12 credit hours; more than 12 credit hours.

## Course Fee Refund Schedule

Time of Withdrawal	Refund
<b>Courses less than 2 weeks in duration</b>	
Withdrawal on 1st day of classes	100%
Withdrawal on 2nd day of classes	50%
Withdrawal on 3rd day of classes and thereafter	0%
<b>Courses at least 2 weeks but less than 5 weeks in duration</b>	
Withdrawal on 1st or 2nd day of classes	100%
Withdrawal on 3rd or 4th day of classes	50%
Withdrawal during 3rd week of classes and thereafter	0%
<b>Courses at least 5 weeks but less than 9 weeks in duration</b>	
Withdrawal during 1st week of classes	100%
Withdrawal during 2nd week of classes	50%
Withdrawal during 3rd week of classes and thereafter	0%

## Time of Withdrawal

### Courses at least 9 weeks or more in duration

Withdrawal during 1st week of classes	100%
Withdrawal during 2nd week of classes	75%
Withdrawal during 3rd week of classes	50%
Withdrawal during 4th week of classes	25%
Withdrawal during 5th week of classes and thereafter	0%

**Fee Refund Schedule** Applies to audit, credit-hour, and course-related fees.

**Procedure** See the specific campus registrar's Web site for more information about how to withdraw from classes.

**Student Financial Assistance** Students can obtain information about financial assistance through the financial aid office, through the student employment office, or through their schools and departments. For courses taken in Bloomington, contact Human Resources Management for information about faculty/staff fee courtesy; for courses taken at IUPUI, contact the Office of Student Financial Aid Services.

## Veterans Benefits

Eligible students will receive veterans benefits according to the following scale, which is based on the number of credit hours in which the student is enrolled.

Undergraduate Benefits	Bloomington and IUPUI	IUPUI Summer I <sup>1</sup>	Bloomington Summer I	Bloomington and IUPUI
	Fall/Spring Semesters <sup>1</sup>			Summer II <sup>1</sup>
full	12 or more	6	4	6
three-quarters	9-11	4-5	3	4-5
one-half	6-8	3	2	3
tuition only	fewer than 6	1-2	1	1-2
<b>Graduate Benefits</b>				
full	8 or more	4	4	4
three-quarters	6-7	3	3	3
one-half	4-5	2	2	2
tuition only	fewer than 4	1	1	1

It is the responsibility of the veteran or veteran dependent to sign up for benefits each semester or summer session of enrollment. It is also the responsibility of the veteran or veteran dependent on the Bloomington campus to notify the Office of Veterans Affairs of any schedule change that may increase or decrease the amount of benefits allowed. Veterans and veteran dependents on the IUPUI campus should notify the Office of the Registrar.

Veterans with service-connected disabilities may qualify for the Department of Veterans Affairs Vocational Rehabilitation Program. They should contact their regional VA office for eligibility information.

At IUPUI, veterans and veteran dependents must notify their veteran benefit representative in the Office of the Registrar in person at the time of registration.

<sup>1</sup> On the IUPUI campus, check with a VA representative in the Office of the Registrar for positive verification of your hourly status.

# Appendices

## Appendix I: Culture Studies Requirement Lists

### List A

Courses on this list focus on a culture or cultures other than the dominant cultures of the United States and of modern Western Europe. Students may take two courses from this list to fulfill the Culture Studies requirement, or may take one course from this list and one course from List B.

#### African American and African Diaspora Studies

- A112 Black Music of Two Worlds
- A150 Survey of the Culture of Black Americans
- A154 History of Race in the Americas
- A156 Black Liberation Struggles Against Jim Crow and Apartheid
- A169 Introduction to Afro-American Literature
- A201 Introduction to African American and African Diaspora Studies
- A203 Studying Blacks of the New World: African Americans and Africans in the African Diaspora
- A210 Black Women in the Diaspora
- A249 Afro-American Autobiography
- A255 The Black Church in America
- A264 History of Sports and the African American Experience
- A265 Modern Sports and the African American Experience
- A277 Images of Blacks in Films: 1903-1950s
- A278 Contemporary Black Film
- A290 Sociocultural Perspective of Afro-American Music
- A350 Black Atlantic
- A352 Afro-American Art II: Afro-American Artists
- A354 Transnational Americas
- A355 (HIST A355) Afro-American History I
- A356 (HIST A356) Afro-American History II
- A360 Slavery: Worldwide Perspective
- A379 Early Black American Writing
- A380 Contemporary Black American Writing
- A383 Blacks in American Drama and Theatre, 1767-1945
- A384 Blacks in American Drama and Theatre, 1945-Present
- A385 Seminar in Black Theatre
- A386 Black Feminist Perspectives
- A387 Black Migration
- A389 Motown
- A392 Afro-American Folklore
- A393 (MUS M393/Z393) History of Jazz
- A394 (MUS M394) Black Music in America
- A395 (MUS M395/Z395) Contemporary Jazz and Soul Music
- A396 (MUS M396) Art Music of Black Composers

- A397 (MUS M397) Popular Music of Black America
- A407 Afro-American and African Protest Strategies
- A408 Race, Gender, and Class in Cross-Cultural Perspectives
- A420 Transforming Divided Communities and Societies
- A430 The Cinema of Africana Women
- A480 The Black Novel
- A485 Lorraine Hansberry: Black Dramatist
- A489 Rap Music
- A496 Black Religious Music

#### African Studies

- L231 African Civilization
- L232 Contemporary Africa

#### Anthropology

- E110 Indians of Mexico: Ancient and Modern
- E240 Southwestern American Indian Ritual and Belief
- E260 Culture, Health, and Illness
- E310 Introduction to the Cultures of Africa
- E312 African Religions
- E319 American Indian Religions
- E320 Indians of North America
- E321 Peoples of Mexico
- E322 Peoples of Brazil
- E323 Indians of Indiana
- E324 Native American Art
- E327 Native Amazonians and the Environment
- E329 Indians in the United States in the Twentieth Century
- E330 Indians of South America
- E332 Jewish Women: Anthropological Perspectives
- E334 Jews in Moslem Society
- E335 Ancient Civilizations of Mesoamerica
- E340 Indians of Mexico and Central America
- E345 China through Anthropological Eyes
- E348 Peoples and Cultures of Russia, Ukraine, and Newly Independent States
- E370 Peasant Society and Culture
- E371 Modern Jewish Culture and Society
- E397 (CEUS U397/NELC N397) Peoples and Cultures of the Middle East
- E398 (CEUS U398) Peoples and Cultures of Central Asia
- E412 Anthropology of Russia and Eastern Europe
- E417 African Women
- E418 Globalization and Consumer Culture
- E475 Law and Culture
- L318 Navajo Language and Culture
- P230 Archaeology of the Ancient Maya
- P350 Archaeology of Ancient Mexico
- P370 Ancient Civilizations of the Andes
- P371 Prehistory of Lowland South America

#### Apparel Merchandising and Interior Design

- H401 Cultural Aspects of Dress

**Central Eurasian Studies**

- U254 Introduction to the Ancient Near East and Central Asia  
 U284 The Civilization of Tibet  
 U311 Prophets, Poets, and Kings: Iranian Civilization  
 U320 Topics in Central Eurasian Studies (Topic: Budapest in the Nineteenth and Twentieth Centuries: The Evolution of a European Capital; Art and Music of Nineteenth and Twentieth Century Hungary)  
 U346 Literature of the Ottoman Court in Translation  
 U350 Turkish Literature in Translation  
 U368 The Mongol Century  
 U372 Persian Literature in Translation  
 U373 Persian Mystical Literature in Translation  
 U388 Chinese Inner Asia to 1949  
 U392 Shrine and Pilgrimage in Central Asian Islam  
 U393 The Yasavi Sufis and Central Asian Islam  
 U394 Islam in the Soviet Union and Successor States  
 U395 Central Asian Politics and Society  
 U397 (ANTH E397/NELC N397) Peoples and Cultures of the Middle East  
 U398 (ANTH E398) Peoples and Cultures of Central Asia  
 U423 Hungary between 1890 and 1945  
 U427 Hungary from 1945 to Present  
 U450 Turkish Oral Literature  
 U459 Seminar in Turkish Studies  
 U483 Introduction to the History of Tibet  
 U489 Tibet and the West  
 U490 Sino-Tibetan Relations  
 U497 Inner Asian Peoples and Nationality Policy in the People's Republic of China

**Classical Studies**

- C101 Ancient Greek Culture  
 C102 Roman Culture  
 C205 Classical Mythology  
 C206 (FINA A206) Classical Art and Archaeology  
 C308 Roman Law  
 C310 Classical Drama  
 C311 Classical Epics  
 C350 Greek Literature in Translation  
 C351 The Golden Age of Athens  
 C360 Roman Literature in Translation

**Communication and Culture**

- C201 Race and the Media  
 C202 Media in the Global Context  
 C238 Communication in Black America  
 C334 Current Topics in Communication and Culture (Topic: International Deaf Communities)  
 C412 Race, Gender, and Representation  
 C422 Performance, Culture, and Power in the Middle East and North Africa  
 C430 Native American Communication and Performance

**Comparative Literature**

- C147 Images of the Self: East and West  
 C155 Culture and the Modern Experience: An Interdisciplinary and International Approach  
 C200 Honors Seminar (Topics: Poetry and Society: The Arabic Ode in Comparative Text; The Arabic Novel, from Center to Periphery)  
 C257 Asian Literature and the Other Arts  
 C261 Introduction to African Literature  
 C262 Cross-cultural Encounters  
 C265 Introduction to East Asian Poetry  
 C266 Introduction to East Asian Fiction  
 C291 Studies in Non-Western Film  
 C301 Special Topics in Comparative Literature  
 C321 Medieval Literature  
 C325 The Renaissance  
 C340 Women in World Literature  
 C360 Diasporic Literatures  
 C361 African Literature and Other Arts  
 C365 Japanese-Western Literary Relations  
 C370 Arabic-Western Literary Relations  
 C375 Chinese-Western Literary Relations  
 C377 Topics in Yiddish Literature  
 C378 Topics in Yiddish Culture  
 C400 Studies in Comparative Literature (Topic: Arthurian Literature and Film)  
 C415 Medieval Lyric  
 C417 Medieval Narrative  
 C445 Traditions of Christian Literature I  
 C464 French Language Literature of Africa and the Americas

**East Asian Languages and Cultures**

- E100 East Asia: An Introduction  
 E101 The World and East Asia  
 E110 Popular Culture in East Asia  
 E160 The Daoist Body  
 E180 Cross-Cultural Experiences of War: East Asia and the United States  
 E201 Issues in East Asian Literature  
 E202 Issues in East Asian Traditions and Ideas  
 E203 Issues in East Asian Cultural History  
 E204 Issues in East Asian Society  
 E231 Japan: The Living Tradition  
 E232 China: The Enduring Heritage  
 E233 Survey of Korean Civilization  
 E251 Traditional East Asian Civilization  
 E252 (HIST H207) Modern East Asian Civilization  
 E256 Land and Society in East Asia  
 E270 Japanese Language and Society  
 E271 Twentieth-Century Japanese Culture  
 E300 Studies in East Asian Literature  
 E301 Chinese Language and Culture  
 E302 Geographic Patterns in China  
 E303 Korean Folk and Elite Cultures  
 E305 Korean Language and Culture  
 E321 Traditional Japanese Literature  
 E322 Modern Japanese Literature  
 E331 Traditional Chinese Literature  
 E332 Chinese Literature since 1300  
 E333 Studies in Chinese Cinema  
 E350 (HIST G380) Studies in East Asian Society

- E351 Studies in East Asian Thought
- E352 Studies in East Asian History
- E354 Society and Education in Japan
- E371 Twentieth-Century Chinese Literature
- E372 Japanese Fiction and Culture
- E374 (PHIL P374) Early Chinese Philosophy
- E384 East Asian Nationalism and Cultural Identity
- E385 Asian Americans: Cultural Conflict and Identity
- E386 United States-East Asian Relations
- E390 Contemporary Chinese Politics
- E392 Chinese Foreign Policy
- E393 China's Political Economy
- E394 Business and Public Policy in Japan
- E395 Japan in World Trade and Politics
- E473 History of Japanese Theatre and Drama
- E497 Overseas Study Tour
- J491 Humanities Topics in Japanese
- J492 Historical and Cultural Topics in Japanese

### English

- L241 American Jewish Writers
- L364 Native American Literature
- L374 Ethnic American Literature
- L375 Studies in Jewish Literature
- L383 Studies in British or Commonwealth Culture (Topics: Change and Development in Medieval English Culture; Indian Writing in English; The Medieval Court: Romance and Reality)
- L384 Studies in American Culture (Topics: The Power of Place: Latino Migration Culture and the Spatial Imagination; Just Enough for the City: African Americans and Urban Literature)
- L396 Studies in African American Literature and Culture

### Fine Arts

- A160 Introduction to East Asian Art
- A200 Topics in Art History (Topic: Introduction to Jewish Art)
- A206 (CLAS C206) Classical Art and Archaeology
- A214 Art and Life in Ancient Rome
- A226 Survey of Medieval Art
- A231 The Age of Giants: Art in the Time of Leonardo and Michelangelo
- A233 Renaissance and Baroque Art in Italy, 1250-1700
- A234 Renaissance Florence
- A250 Introduction to African Art
- A262 Introduction to Japanese Art and Culture
- A311 Art of the Classical Age of Greece
- A321 Early Medieval Art
- A327 Survey of Islamic Art
- A337 Age of Rubens and Rembrandt
- A346 Roots and Revolution: Early Twentieth-Century Mexican Art
- A351 Art of the South Pacific
- A352 Art of Eastern and Southern Africa
- A356 Art of Central Africa

- A360 Topics in East Asian Art
- A452 Art of Pre-Columbian America
- A453 Art of Sub-Saharan Africa I: Arts of Africa's Western Sudan
- A454 Art of Sub-Saharan Africa II: Arts of the West African Coast
- A455 Art, Craft, and Technology in Sub-Saharan Africa
- A464 Art and Archaeology of Early China
- A466 Early Chinese Painting
- A467 Later Chinese Painting
- A480 Russian Art

### Folklore and Ethnomusicology

- F121 Introduction to Folklife (Topic: Black Music of Two Worlds)
- F252 Folklore and the Humanities (Topic: Survey of Hip-Hop)
- F301 African Folklore/Folklife/Folk Music
- F305 Asian Folklore/Folklife/Folk Music
- F307 Middle Eastern Folklore/Folklife/Folk Music
- F315 Latin American Folklore/Folklife/Folk Music
- F320 Pacific Folklore/Folklife/Folk Music
- F351 North American Folklore/Folklife/Folk Music
- F352 Native American Folklore/Folklife/Folk Music
- F353 Native American Film and Video
- F354 African American Folklore/Folklife/Folk Music
- F356 Chicano Folklore/Folklife/Folk Music
- F358 Jewish Folklore/Folklife/Folk Music
- F360 Indiana Folklore/Folklife/Folk Music
- F361 Traditional Arts Indiana: Documenting Indiana Traditions
- F363 Women's Folklore/Folklife/Folk Music
- F364 Children's Folklore/Folklife/Folk Music
- F389 Hip-Hop Music and Culture

### French and Italian

- F361 Introduction Historique à la civilisation Française I
- F410 French Literature of the Middle Ages
- F450 Colloquium in French Studies—Tradition and Ideas
- F460 La francophonie nord-américaine
- F463 civilisation Française I
- M222 Topics in Italian Culture
- M234 Florence in Florence
- M307 Masterpieces of Italian Literature I
- M333 Dante and His Times
- M334 Power and Imagination in Renaissance Italy
- M340 Sex and Society in Boccaccio
- M345 Literature of Italian Renaissance Art
- M445 Risorgimento

### Gender Studies

- G215 Sex and Gender in Cross Cultural Perspective
- G225 Gender, Sexuality, and Popular Culture
- G410 International Feminist Debates (Topic: Black Feminism)

**Geography**

- G317 Geography of Developing Countries
- G323 Geography of Latin America
- G324 Geography of the Caribbean
- G425 Africa: Contemporary Geographic Problems
- G427 Russia and Its Neighbors

**Germanic Studies**

- Y300 Topics in Yiddish Literature
- Y350 Topics in Yiddish Culture

**History**

- A310 Survey of American Indians I
- A311 Survey of American Indians II
- A352 History of Latinos in the United States
- A355-A356 (AFRO A355-A356) Afro-American History I-II
- B321 Modern Jewish History: From Expulsion to Revolution
- B322 Jews in the Modern World
- B323 History of the Holocaust
- B324 Zionism and the State of Israel
- B351 Western Europe in the Early Middle Ages
- B352 Western Europe in the High and Later Middle Ages
- B353 The Renaissance
- B354 The Reformation
- B355 Europe: Louis XIV to French Revolution
- B356 French Revolution and Napoleon
- C388 Roman History
- C390 The Decline and Fall of the Roman Empire
- C393 Ottoman History
- D101 Icon and Axe: Russia through the Ages
- D302 The Gorbachev Revolution and the Collapse of the Soviet Empire
- D303 Heroes and Villains in Russian History
- D304 Jews of Eastern Europe
- D305 Women in Russian History and Soviet Society
- D306 Muscovy and Imperial Russia, 1500-1801
- D308 Empire of the Tsar
- D309 Russia in World War II: Battles and People
- D310 Russian Revolutions and the Soviet Regime
- D320 Modern Ukraine
- D321 Hungarian History and Civilization to 1711
- D322 Hungarian History and Civilization 1711-1918
- D325 Path to Emancipation: Nationalism in the Balkans, 1804-1923
- D327 Nation-Making and Imperial Decline in East Central Europe, 1780-1918
- D329 Eastern Europe in the First Half of the Twentieth Century
- D330 Eastern Europe in the Second Half of the Twentieth Century
- E331 African History from Ancient Times to Empires and City States
- E332 African History from Colonial Rule to Independence
- E333 Conflict in Southern Africa

- E334 History of Western Africa
- E336 History of East Africa
- E338 History of Muslim West Africa
- F336 Modern Central American History
- F343 Modern Brazil since 1850
- F345 History of Cuba and Puerto Rico
- F346 Modern Mexico
- G101 East Asia in World History
- G350 Modern South Asia: Eighteenth to Twentieth Century
- G357 Premodern Japan
- G358 Early Modern Japan
- G369 Modern Japan
- G372 Modern Korea
- G380 Early China
- G382 China: The Age of Glory
- G383 China: The Later Empires
- G385 Modern China
- G387 Contemporary China
- H102 The World in the Twentieth Century II
- H103 Europe: Renaissance to Napoleon
- H203 Islamic Civilization to 1300
- H205 Ancient Civilization
- H206 Medieval Civilization
- H207 (EALC E252) Modern East Asian Civilization
- H208 American-East Asian Relations
- H209 The Origins of Britain
- H211-H212 Latin American Culture and Civilization I-II
- H213 The Black Death
- H223 Between Rome and Constantinople: Eastern Europe and Russia to Mid-Fifteenth Century
- H227 African Civilizations
- H237 Traditional East Asian Civilization
- H238 Introduction to South Asian History and Civilization
- H240 History of World Population
- H251 Introduction to Jewish History: From the Bible to Spanish Expulsion
- H252 Introduction to Jewish History: From Spanish Expulsion to the Present
- H259 American Jewish History
- J300 Seminar in History (Topic: Traditional Chinese Society through Literature)

**Hutton Honors College**

- H303 Interdepartmental Colloquia (Topic: Constructing Culture: Discovering the Value of Diversity; American Jewish Writers; Literature of the Holocaust)

**India Studies**

- I212 The Civilization of Tibet
- I300 Passage to India: Emperors, Gurus, and Gods
- I320 Contemporary India: History, Politics, and Society
- I347 Meditation Traditions of India
- I368 Philosophies of India
- I370 Literature of India in Translation: Ancient and Classical

I371 Medieval Devotional Literatures of India  
(in translation)

I380 Women in South Asian Religious  
Traditions

I402 Introduction to the History of Tibet

### **Jewish Studies**

C240 Contemporary Israeli Culture

C340 The Kibbutz in Fact and Fiction

L380 Modern Hebrew Literature in English

L385 Recent Hebrew Literature in English

L395 S. Y. Agnon and the Jewish Experience

### **Cross-Listed Courses**

#### *Anthropology*

E332 Jewish Women: Anthropological  
Perspectives

E334 Jews in Moslem Society

E371 Modern Jewish Culture and Society

#### *Comparative Literature*

C377 Topics in Yiddish Literature

C378 Topics in Yiddish Culture

#### *English*

L241 American Jewish Writers

L375 Topics in Jewish Literature

#### *Folklore and Ethnomusicology*

F358 Jewish Folklore/Folklife/Folk Music

#### *Germanic Studies*

Y300 Topics in Yiddish Literature

Y350 Topics in Yiddish Culture

#### *History*

B321 Modern Jewish History: From Expulsion  
to Revolution

B322 Jews in the Modern World

B323 History of the Holocaust

B324 Zionism and the State of Israel

D304 Jews of Eastern Europe

H251 Introduction to Jewish History:

From the Bible to Spanish Expulsion

H252 Introduction to Jewish History:

From Spanish Expulsion to the Present

H259 American Jewish History

#### *Philosophy*

P205 Modern Jewish Philosophy

P305 Topics in the Philosophy of Judaism

#### *Political Science*

Y352 The Holocaust and Politics

#### *Religious Studies*

R152 Religions of the West

R210 Introduction to Old Testament/  
Hebrew Bible

R245 Introduction to Judaism

R310 Prophecy in Ancient Israel

R317 Judaism in the Making

R341 Introduction to Jewish Mysticism

R345 Religious Issues in Contemporary Judaism

R421 Judaism and Gender: Philosophical and  
Theological Perspectives

### *Slavic Languages and Literatures*

R345 Jewish Characters in Russian Literatures

### **Latin American Studies**

L300 The Latin American Experience

L301 Contemporary Problems in Latin America

L400 Contemporary Mexico

L402 Contemporary Brazil

L403 Contemporary Central America

L420 New Latin American Cinema

### **Latino Studies**

L101 Introduction to Latino Studies

L102 Introduction to Latino History

L103 Introduction to Latino Cultures

L111 Latino Film: An Introduction and  
Overview

L301 Latino Immigrants in United States Society

L302 Latinos in the Media

L325 Latinos on the Internet

L380 Latino Education Across the Americas

L396 Seminar in Latino Studies

### **Linguistics**

L481 Languages in Africa

### **Medieval Studies**

M200 Medieval Cultures

### **Jacobs School of Music**

M393 (Z393) History of Jazz

M394 Black Music in America

M395 (Z395) Contemporary Jazz and  
Soul Music

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

N205 Topics in Near Eastern Languages  
and Cultures (Topics: Poetry and Society;  
The Arabic Ode in Comparative Contexts;  
In Praise of the Prophet Muhammed; The  
Arabic Novel, from Center to Periphery;  
Women in Islam and the Middle East)

N220 Muhammad: Life of the Prophet

N245 Introduction to the Ancient Near East

N265 Introduction to Islamic Civilization

N305 Topics in Near Eastern Studies

N340 Prophets, Poets, and Kings: Iranian  
Civilization

N350 Modern Iran

N370 Koranic Studies

N380 Topics in Persian Literature in  
Translation

N385 Persian Mystical Literature in  
Translation

N397 (ANTH E397/CEUS U397) Peoples and  
Cultures of the Middle East

### **Philosophy**

P201 Ancient Greek Philosophy

P205 Modern Jewish Philosophy

P301 Medieval Philosophy

P305 Topics in the Philosophy of Judaism

P328 Philosophies of India

P374 (EALC E374) Early Chinese Philosophy

**Political Science**

- Y325 African American Politics
- Y329 Racial and Ethnic Politics in the United States
- Y332 Russian Politics
- Y333 Chinese Politics
- Y334 Japanese Politics
- Y337 Latin American Politics
- Y338 African Politics
- Y339 Middle Eastern Politics
- Y340 East European Politics
- Y348 The Politics of Genocide
- Y352 The Holocaust and Politics
- Y353 The Politics of Gender and Sexuality
- Y356 South Asian Politics
- Y381 Classical Political Thought
- Y386 African American Political Thought

**Religious Studies**

- R152 Religions of the West
  - R153 Religions of the East
  - R203 Zen Buddhism
  - R210 Introduction to the Old Testament/  
Hebrew Bible
  - R220 Introduction to the New Testament
  - R245 Introduction to Judaism
  - R250 Introduction to Buddhism
  - R257 Introduction to Islam
  - R307 Messianism and Messiahs in  
Comparative Perspective
  - R310 Prophecy in Ancient Israel
  - R317 Judaism in the Making
  - R323 Early Christian Monasticism
  - R341 Introduction to Jewish Mysticism
  - R345 Religious Issues in Contemporary  
Judaism
  - R348 Hindu Goddesses
  - R349 Hindu Devotionalism
  - R350 East Asian Buddhism
  - R356 Islamic Mysticism
  - R357 Religions in Japan
  - R358 Hinduism
  - R367 Shi'ite Islam
  - R369 The Taoist Tradition
  - R382 Women in South Asian Religious  
Traditions
  - R421 Judaism and Gender: Philosophical  
and Theological Perspectives
  - R427 The Bible and Slavery
  - R452 Topics in East Asian Religions
  - R454 Tantric Traditions of India
  - R456 Topics in Islamic Studies
  - R469 Topics in Taoism and Chinese Religion
- Russian and East European Institute**
- R301 Russian and East European Area Topics
  - R302 Russia, Past and Present
  - R303 Eastern Europe, Past and Present

**Slavic Languages and Literatures**

- C223 Introduction to Czech Culture
- C363 History of Czech Literature and Culture
- C364 Modern Czech Literature and Culture
- C365 Seminar in Czech and Central European  
Literatures and Cultures
- P223 Introduction to Polish Culture
- P363-P364 Survey of Polish Literature  
and Culture I-II
- R223 Introduction to Russian Culture
- R263 Pushkin to Dostoevsky
- R264 Tolstoy to Solzhenitsyn
- R334 Tolstoy and Dostoevsky
- R345 Jewish Characters in Russian Literature
- R349 Myth and Reality: Women in Russian  
Literature and in Life
- R352 Russian and Soviet Film
- R353 Central European Cinema
- S223 Introduction to Balkan and South Slavic  
Cultures
- S363-S364 Literature and Culture of the  
Southern Slavs I-II

**Sociology**

- S335 Race and Ethnic Relations
- S346 Topics in Cross-Cultural Sociology

**Spanish and Portuguese**

- P290 Topics in Luso-Brazilian Culture  
(Topics: Afro-Portuguese Culture: Angola  
and Mozambique; Jorge Amado: A Portrait  
of Brazil; A Regional View of Brazil:  
The Northeast)
- P400-P401 Literatures of the Portuguese-  
Speaking World I-II
- P405 Literature and Film in Portuguese
- P410 Brazilian Cinema
- P412 Brazil: The Cultural Context
- P470 Poetry in Portuguese
- P475 Theater in Portuguese
- S220 Chicano and Puerto Rican Literature
- S260 Introduction to Hispanic Film
- S275 Introduction to Hispanic Culture
- S284 Women in Hispanic Culture
- S331-S332 The Hispanic World I-II
- S333 The Hispanic World
- S412 Spanish America: The Cultural Context
- S413 Hispanic Culture in the United States

**Speech and Hearing Sciences**

- S430 Diversity in Speaking and Acting

**Telecommunications**

- T191 Race, Ethnicity, and the Media

**Theatre and Drama**

- T370 History of Western Theatre and Drama I
- T460 Development of Dramatic Art I
- T468 Non-Western Theatre and Drama



**List B**

Courses on this list focus on a culture or cultures of modern Western Europe. Students may use one course from this list toward fulfillment of the Culture Studies requirement.

**Anthropology**

E387 The Ethnography of Europe  
E400 Undergraduate Seminar  
(Topic: Scandinavia: Image and Reality)

**Central Eurasian Studies**

U324 Romanticism and the Rise of Nationalism

**Communication and Culture**

C393-C394 History of European and American Films I-II

**Comparative Literature**

C145 Major Characters in Literature  
C146 Major Themes in Literature  
C151 Introduction to Popular Culture  
C251 Lyrics and Popular Song  
C255 Modern Literature and the Other Arts:  
An Introduction  
C256 Literature and the Other Arts: 1870-1950  
C329 The Eighteenth Century  
C333 Romanticism  
C335 Realism, Naturalism, and Symbolism  
C337 The Twentieth Century: Tradition  
and Change  
C347 Literature and Ideas  
C357 The Arts Today: 1950 to the Present  
C358 Literature and Music: Opera  
C446 Traditions of Christian Literature II

**Fine Arts**

A342 Twentieth-Century Art  
A440 Nineteenth-Century Painting  
A441 Nineteenth-Century Painting II  
A442 Twentieth-Century Art, 1900-1924

**Folklore and Ethnomusicology**

F312 European Folklore/Folklife/Folk Music

**French and Italian**

F310 Topics in French Literature in Translation  
F311 Contemporary France: Film and Culture  
F333 Intensive Writing in French Culture  
F350 The Writer and Public Issues in  
Twentieth-Century France  
F362 Introduction Historique à la civilisation  
Française II  
F363 Introduction à la France Moderne  
F375 Themes et Perspectives Littéraires  
F451 Colloquium in French Studies—  
Literature and Arts  
F453 Le Roman au 20e Siècle I  
F459 Le Theatre au 20e Siècle  
F461 La France Contemporaine: Cinema  
et Culture  
F464 civilization Française II

M235 Rome, the City and the Myth  
M305 Civiltà Italiana Moderna  
M306 Italian Short Stories from the Political  
Unification to the Present  
M308 Masterpieces of Italian Literature II  
M390 Studies in the Italian Film  
M463 Contemporary and Popular Italian  
Culture

**Geography**

G428 Geography of Europe

**Germanic Studies**

G262 Contemporary Austria  
G277 Sex and Gender in Germany  
G362 Deutsche Landeskunde  
G363 Deutsche Kulturgeschichte  
G364 German Cultural History  
G390 German Film Culture  
G418 German Film and Popular Culture  
G464 Kultur und Gesellschaft  
K350 Topics in Scandinavian Culture  
N350 Dutch Culture: The Modern Netherlands  
N450 The Golden Age of Dutch Culture  
V400 Contemporary Germany  
V406 Literature and Society since 1945

**History**

B260 Women, Men, and Society in Modern  
Europe  
B357 Modern France  
B359-B360 Europe from Napoleon to the  
First World War I-II  
B366 Paris and Berlin in the 1920s:  
A Cultural History  
B368 Modern Italy  
B374 The Cultures of Modern Europe  
B377 History of Germany since 1648 I  
B378 History of Germany since 1648 II  
H104 Europe: Napoleon to the Present  
H210 Britain's Road to Modernity

**Political Science**

Y335 West European Politics  
Y347 German Politics  
Y382 Modern Political Thought

**Spanish and Portuguese**

P290 Topics in Luso-Brazilian Culture  
(Topic: Contemporary Portugal)  
S411 Spain: The Cultural Context

**Theatre and Drama**

T371 History of Western Theatre and Drama II  
T461 Development of Dramatic Art II  
T462 Development of Dramatic Art III

**West European Studies**

W301 Modern European Politics and Society  
W405 Special Topics in West European Studies  
See WEUR advisor for appropriate topics.  
Not all topics will be approved.  
W406 Special Topics in West European Studies  
See WEUR advisor for appropriate topics.  
Not all topics will be approved.

# Appendix II: Approved Distribution Courses

Arts and Humanities: A & H  
 Social and Historical Studies: S & H  
 Natural and Mathematical Sciences: N & M

	S & H	N & M
African American and African Diaspora Studies	A112, A141, A142, A150, A169, A249, A277, A278, A290, A350, A352, A359, A379, A380, A383, A384, A385, A389, A392, A393, A394, A395, A396, A397, A430, A479, A480, A485, A489, A496	A154, A156, A203, A205, A210, A250, A255, A263, A264, A265, A354, A355, A356, A360, A363, A382, A386, A387, A391, A405, A407, A408, A415, A420, A425, A452, A481
African Studies	L231, L232	
American Studies	A299	
Anthropology	A200, A201, A202, A298, A351 A208, E310, E312, E324, E460, E463	B200, B301, B368, B370, B466, B470, P380, P385, P425
Apparel Merchandising and Interior Design		H265, H411

	A & H	S & H	N & M
Astronomy			A100, A102, A103, A105, A110, A115, A221, A222
Biology			B300, B364, B368, E111, E112, H111, H112, L100, L104, L111, L112, L113, L211, L302, L322, L330, L340, L341, L350, L369, L440, M250, M430, S211
Central Eurasian Studies	U324, U346, U350, U372, U373, U392, U393, U394, U424, U426, U450, U481, U484	U190, U254, U284, U311, U333, U368, U369, U370, U388, U395, U397, U398, U423, U427, U436, U483, U489, U490, U493, U494, U496, U497	
Chemistry			C100, C101, C102, C103, C117, C118, C341, C342, C360, C361, C362, C430, C460, C483, C484, C485, S117, S118, S341, S342, S361, S362
Classical Studies	C101, C102, C205, C206, C308, C310, C311, C350, C351, C360, C361, C405, C409, C412, C413, C414, C416, C419, C420, C421, G305, G306, G307, G308, G406, G407, G410, G411, L304, L305, L307, L308		
Cognitive Science			Q240, Q250, Q270, Q301, Q320, Q351
College of Arts and Sciences	E103, S103	E104, S104	E105, S105
Collins Living-Learning Center	L110, L210, L310, S103	L120, L220, L320	L130, L230, L330

	A & H	S & H	N & M
Communication and Culture	C190, C205, C228, C238, C304, C306, C312, C313, C321, C323, C324, C326, C335, C339, C340, C392, C393, C394, C398, C414, C425	C122, C201, C202, C203, C204, C223, C225, C229, C290, C292, C305, C314, C315, C336, C380, C411, C412, C413, C415, C417, C420, C422, C430	
Comparative Literature	C100, C145, C146, C147, C151, C155, C200, C205, C216, C217, C219, C251, C252, C255, C256, C257, C261, C262, C265, C266, C291, C301, C305, C310, C311, C313, C315, C318, C320, C321, C325, C329, C333, C335, C337, C340, C347, C355, C357, C358, C360, C361, C365, C370, C375, C377, C378, C400, C405, C415, C417, C445, C446, C464, C492		
Computer Science			A110, A201, A202, A216, B351, B401, B403, B441, B443, B461, B481, C211, C212, C241, C311, C335, C343, H211, H212, H241, H311, H335, H343, P415, P423, P436, P442, P465, P466
Criminal Justice		P100, P150, P200, P202, P250, P301, P302, P303, P305, P306, P340, P360, P375, P380, P381, P412, P413, P414, P415, P417, P419, P420, P422, P423, P435, P457, P462, P471, P482	K300

	<b>A &amp; H</b>	<b>S &amp; H</b>	<b>N &amp; M</b>	
East Asian Languages and Cultures	C431, E100, E110, E160, E201, E202, E231, E232, E233, E270, E271, E300, E301, E303, E321, E322, E331, E332, E333, E351, E371, E372, E374, E473, E497, J431, J491, K431, K432	E101, E180, E203, E204, E251, E252, E256, E302, E305, E350, E352, E354, E384, E385, E386, E390, E392, E393, E394, E395, J441, J492	J421	
Economics		E201, E202, E303, E304, E305, E308, E309, E321, E322, E327, E359, E364, E496, S201, S202, S321, S322	E370, S370	
English	A202, E301, E302, E303, E304, L141, L142, L198, L202, L203, L204, L205, L206, L207, L208, L210, L213, L214, L220, L230, L240, L241, L249, L295, L305, L306, L307, L308, L309, L313, L314, L317, L318, L320, L327, L328, L332, L335, L345, L346, L347, L348, L350, L351, L352, L354, L355, L356, L357, L358, L360, L363, L364, L365, L366, L367, L369, L371, L373, L374, L375, L378, L380, L381, L383, L384, L389, L390, L391, L395, L396			
Fine Arts	A160, A206, A226, A231, A234, A250, A276, A310, A316, A323, A329, A346, A347, A348, A349, A356, A360, A412, A413, A414, A447, A471, A472, A473, A474, F100, F101, F102, H100, H150, N110, N198, S200, S220, S230, S240, S250, S260, S270, S271, S280, S291, S301, S321, S325,	A101, A102, A108, A150, A214, A233, A262, A290, A311, A312, A321, A322, A325, A327, A330, A331, A332, A333, A334, A335, A337, A341, A342, A345, A351, A352, A372, A415, A417, A421, A423, A424, A425, A426, A436, A437, A443, A452, A453, A454, A458, A464, A466, A467, A476,		

	A & H	S & H	N & M
	S331, S341, S343, S344, S351, S352, S361, S371, S381, S392, S445, T230, T320	A480	
Folklore and Ethnomusicology	F101, F111, F121, F131, F205, F225, F235, F252, F301, F305, F307, F308, F312, F315, F320, F351, F352, F354, F356, F358, F360, F363, F364, F369, F389, F404, F410, F420, F440, F492, F494	F210, F215, F230, F253, F290, F353, F401, F405, F430, F497	
French and Italian	F125, F300, F303, F304, F305, F306, F310, F311, F350, F361, F362, F363, F375, F410, F413, F435, F436, F443, F446, F450, F451, F453, F456, F459, F460, M222, M234, M235, M305, M306, M307, M308, M333, M334, M340, M345, M390, M391, M403, M445, M446, M450, M453, M455, M456, M463, S300	F126, F317	
Gender Studies	G101, G225, G290, G310	G102, G105, G206, G215, G230, G235, G303, G325, G335, G399, G402, G425, G430, G435, G440	G107, G109, G208, G237, G250, G304, G305, G307, G336, G338, G350, G405, G421, G431, G433, G434, G436, G438, G439, G451, G470, G475, G477, G488, G489
Geography		G110, G120, G210, G302, G314, G315, G316, G317, G320, G323, G324, G326, G332, G341, G411, G415, G425, G427, G428, G442	

	A & H	S & H	N & M
Geological Sciences			G103, G104, G105, G111, G112, G114, G116, G121, G131, G141, G150, G161, G171, G188, G221, G222, G225, G300, G302, G316, G321, G323, G329, G341, G454, S103, S121, S124
Germanic Studies	G255, G305, G306, G350, G363, G364, G390, G403, G404, G415, G416, G418, K350, N450, V406, Y300, Y350	G262, G277, G362, G464, N350, V400	G448, G451, G458
Global Village Living-Learning Center	G110, G210, G310, S103	G120, G220, G320, S104	G130, G230, G330, S105
History		A100, A200, A222, A225, A261, A265, A300, A301, A302, A303, A304, A307, A309, A310, A311, A313, A315, A317, A319, A325, A326, A337, A338, A345, A346, A347, A351, A352, A353, A354, A355, A356, A361, A362, A363, A365, A366, A369, A370, A379, A380, A381, A382, A383, A384, A389, A400, B100, B200, B204, B224, B260, B300, B301, B302, B303, B315, B321, B322, B323, B324, B325, B342, B343, B351, B352, B353, B354, B355, B356, B357, B358, B359, B360, B361, B362, B366, B368, B374, B377, B378, B391, B400, C100, C200, C300, C305, C380, C386, C387, C388, C390, C391, C393, C400, D100, D101, D200, D300, D302, D303, D304, D305, D306, D308, D309, D310, D320, D321, D322,	

A & H	S & H	N & M
History and Philosophy of Science	D325, D327, D329, D330, D400, E100, E200, E300, E331, E332, E333, E334, E336, E338, E400, F100, F200, F300, F336, F343, F345, F346, F400, G100, G101, G200, G300, G350, G357, G358, G369, G372, G380, G382, G383, G385, G387, G400, H101, H102, H103, H104, H105, H106, H111, H112, H115, H203, H205, H206, H207, H208, H209, H210, H211, H212, H213, H217, H220, H223, H227, H231, H237, H238, H240, H251, H252, H259, H260, H263, H333, J200, J300, J400, J450, T300, T400, W100, W200, W300, W325, W400	X126, X200, X226, X253, X326
Human Biology	X102, X110, X123, X205, X210, X222, X223, X323, X369, X370, X371, X406, X407	B101, B201, B301, B401
Hutton Honors College	H203, H211, H303	H205, H305
India Studies	I300, I347, I368, I370, I371, I380	
International Studies	I201, I207	
Jewish Studies	C240, C340, H375, J203, J303, J403, L380, L385, L390, L395	
Latin American and Caribbean Studies	L420	
Latino Studies	L300, L301, L400, L402, L403, L406 L101, L102, L103, L111, L301, L302, L380, L396	



	<b>A &amp; H</b>	<b>S &amp; H</b>	<b>N &amp; M</b>
Leadership, Ethics, and Social Action		L105	
Liberal Arts and Management Program		S104	L316
Linguistics	L114	L103, L111, L112, L113, L205, L210, L315, L327, L367, L430, L480, L481	L303, L306, L307, L308, L310, L325, L445
Mathematics			A118, D117, J113, M118, M119, M120, M211, M212, M213, M301, M303, M311, M321, M330, M337, M343, M344, M348, M365, M371, M385, M391, M453, S118, S212, S303, S311, S343, S344, T336, X384
Medical Science			A215, M131, P215
Medieval Studies	M200		
Jacobs School of Music	M383, M394, M395, T151, T152, T251, T252, T351, T410, T418, Z101, Z103, Z111, Z201, Z202, Z301, Z320, Z373, Z385, Z393, Z395, Z401, Z402, Z403, Z413, Z415	M401, M402	Z361
Near Eastern Languages and Cultures	N205, N365, N370, N380, N385, P365	N204, N220, N245, N265, N340, N350, N397	
Philosophy	P100, P103, P105, P135, P140, P145, P150, P201, P205, P211, P240, P242, P246, P270, P301, P304, P305, P310, P312, P319, P320, P328, P330, P332, P335, P340, P342, P343, P345, P346, P347, P352, P360, P366, P370, P371, P374, P375, P401, P470		P250, P251

	A & H	S & H	N & M
Physics			
Political Science	Y105, Y212, Y281, Y379, Y381, Y382, Y383, Y384, Y386, Y388, Y406	Y100, Y101, Y102, Y103, Y107, Y109, Y200, Y202, Y204, Y205, Y210, Y211, Y243, Y249, Y301, Y302, Y303, Y304, Y305, Y306, Y307, Y308, Y311, Y313, Y315, Y317, Y318, Y319, Y320, Y324, Y325, Y326, Y329, Y332, Y333, Y334, Y335, Y337, Y338, Y339, Y340, Y342, Y343, Y345, Y346, Y347, Y348, Y349, Y350, Y352, Y353, Y356, Y360, Y361, Y362, Y363, Y364, Y366, Y367, Y368, Y372, Y375, Y376, Y394, Y401, Y405, Y407	P101, P105, P111, P114, P120, P125, P150, P151, P201, P202, P211, P221, P222, P300, P301, P310, P321, P331, P332, P340, P350, P400, P410, P411, P425, P441, P442, P453, P454, P460 Y395
Psychological and Brain Sciences		P102, P152, P315, P316, P319, P320, P323, P324, P460	P101, P106, P151, P201, P204, P303, P325, P327, P329, P330, P335, P336, P340, P350, P405, P417, P438, P466
Religious Studies	R102, R152, R153, R160, R170, R180, R201, R202, R203, R210, R220, R222, R236, R245, R250, R257, R264, R270, R271, R280, R300, R307, R310, R311, R317, R320, R322, R323, R325, R327, R330, R331, R333, R335, R336, R338, R340, R341, R342, R345, R348, R349, R350, R352, R356, R357, R358, R360, R362, R364,		

	A & H	S & H	N & M
	R365, R367, R369, R371, R372, R373, R374, R375, R376, R380, R382, R410, R420, R421, R425, R427, R430, R432, R434, R445, R450, R452, R454, R456, R458, R462, R465, R469, R473, R474		
Russian and East European Institute		R301, R302, R303	
Slavic Languages and Literatures	C223, C363, C364, C365, P223, P363, P364, P365, R123, R223, R263, R264, R334, R345, R349, R352, R353, R405, R406, R407, R408, S223, S363, S364		R403, R404
Sociology		H100, S100, S101, S105, S201, S210, S215, S217, S220, S230, S302, S305, S308, S309, S311, S312, S313, S315, S316, S317, S319, S320, S321, S324, S325, S326, S327, S329, S335, S338, S339, S340, S344, S346, S359, S360, S361, S370, S409, S410, S412, S413, S417, S419, S420, S422, S427, S431, S433, S435, S438, S439, S441, S450	S110, S371
Spanish and Portuguese	C450, P400, P401, P405, P410, P412, P415, P420, P470, P475, P476, S220, S260, S284, S331, S332, S333, S407, S408, S411, S412, S413, S417, S418, S419, S420, S435, S450, S470, S471, S472, S473, S474, S479, S480		S326, S425
Speech and Hearing Sciences		S110, S430	S111, S115, S201, S290, S302, S307, S319, S433

	<b>A &amp; H</b>	<b>S &amp; H</b>	<b>N &amp; M</b>
Telecommunications	T193, T206, T416	T101, T160, T191, T192, T195, T205, T207, T242, T260, T311, T312, T313, T314, T316, T317, T321, T322, T329, T348, T410, T413, T414, T421, T422, T424, T425, T427, T445, T480	
Theatre and Drama	T100, T115, T120, T121, T210, T370, T371, T460, T461, T462, T468		
West European Studies	W406	W301, W401, W405	

## Appendix III: Topics-Qualified Courses

The Topics Program introduces students to the way scholars from different distribution areas frame questions, propose answers, and assess the validity of competing approaches. Writing and related skills are stressed. Students can use COLL E103 or S103 to satisfy one course in the Arts and Humanities distribution area, COLL E104 or S104 to satisfy one course in the Social and Historical Studies distribution area, and COLL E105 or S105 to satisfy one course in the Natural and Mathematical Sciences distribution area. Other Topics-qualified courses are offered with departmental headings and with distribution credit as indicated. For updates, please see the College Web site at [www.indiana.edu/~college/topics/](http://www.indiana.edu/~college/topics/).

Freshman Seminars (COLL S103, S104, S105) are open to freshmen only. Each seminar is limited to 20 students.

### African American and African Diaspora Studies

A150 Survey of the Culture of Black Americans **A & H, CSA**

### Astronomy

A102 Gravity, the Great Attractor: Evolution of Planets, Stars, and Galaxies **N & M**

### College of Arts and Sciences

E103 Topics in Arts and Humanities **A & H**

E104 Topics in Social and Historical Studies **S & H**

E105 Topics in Natural and Mathematical Sciences **N & M**

S103 Freshman Seminar in Arts and Humanities **A & H**

S104 Freshman Seminar in Social and Historical Studies **S & H**

S105 Freshman Seminar in Natural and Mathematical Sciences **N & M**

### Collins Living-Learning Center

S103 Collins Living-Learning Center Freshman Seminar **A & H**

### East Asian Languages and Cultures

E160 The Daoist Body **A & H, CSA**

E180 Cross-Cultural Experiences of War: East Asia and the United States **S & H, CSA**

### Folklore and Ethnomusicology

F205 Folklore in Video and Film **A & H**

### Geological Sciences

G121 Meteorites and Geological Processes in Planets **N & M**

G141 Earthquakes and Volcanoes **N & M**

G188 Volcanoes of the Eastern Sierra Nevada: Geology and Natural Heritage of the Long Valley Caldera **N & M**

S121 Meteorites and Geological Process in Planets, Honors **N & M**

### Global Village Living-Learning Center

S103 Global Village Living-Learning Center Freshman Seminar **A & H**

S104 Global Village Living-Learning Center Freshman Seminar **S & H**

S105 Global Village Living-Learning Center Freshman Seminar **N & M**

### History

B204 Medieval Heroes **S & H**

H231 The Family in History **S & H**

### Hutton Honors College

S103 Freshman Seminar in Arts and Humanities **A & H**

S104 Freshman Seminar in Social and Historical Studies **S & H**

S105 Freshman Seminar in Natural and Mathematical Sciences **N & M**

H203 Interdepartmental Colloquia **A & H**

H204 Interdepartmental Colloquia **S & H**

H205 Interdepartmental Colloquia **N & M**

H211 Ideas and Experience I **A & H**

H212 Ideas and Experience II **S & H**

### Leadership, Ethics, and Social Action Program

L105 Beyond the Sample Gates: Serve and Learn in Bloomington **S & H**

**Liberal Arts and Management Program**

S104 Liberal Arts and Management Program Freshman Seminar **S & H**

**Linguistics**

L111 Dialect and Language Variation **S & H**

L112 Language and Politics **S & H**

L113 Language and Gender **S & H**

L114 Language and Religion **A & H**

**Philosophy**

P135 Introduction to Existentialism **A & H**

**Physics**

P111 Physics of Extraterrestrial Life and Death **N & M**

P120 Energy and Technology **N & M**

P125 Energy in the Twenty-first Century **N & M**

P150 How Things Work **N & M**

P151 Twenty-first-Century Physics **N & M**

**Religious Studies**

R222 *Star Trek* and Religion **A & H**

R250 Introduction to Buddhism **A & H**

R270 The Living and the Dead **A & H**

**Slavic Languages and Literatures**

R123 Masterworks of Russian Short Fiction **A & H**

**Telecommunications**

T193 Passport to Cyberia: Making the Virtual Real **A & H**

# Index

- Absences
  - from final examinations, 17
  - from scheduled classes, 17
- Academic regulations, 15
- Academic standing, 17
- Academic work outside the College of Arts and Sciences, 14
- Addition of courses, 17
- Additional programs, 349
- Admission
  - to the College of Arts and Sciences, 4
  - to the University, 3-4
- Advising,
  - online degree progress report, 7
- Aerospace studies, 22
- African American and African diaspora studies, 27-35
- African languages, 235, 237-239
- African Studies, 35-38
- Akan, 238
- Albanian, 299
- American Sign language, 318
- American studies, 38-40
- Anatomy and physiology, 72-73
- Animal Behavior, Integrative Study of, 41-42
- Anthropology, 43-53
- Apparel merchandising and interior design, 54-59
- Arabic, 252-253
- Archaeology, 52-53
- Arts and humanities distribution requirement, 11
- Arts and Sciences Career Services, 18-19
- Associate of Arts Degree, 14
- Astronomy, 59-61
- Astrophysics, 59-61
- Azeri, 74
- Bachelor's degrees
  - candidates in good standing for, 17
  - general requirements for, 7-8
  - second degree, 23
- Bachelor of Arts, 5-6
  - requirements for, 6-12. *See also* individual departments
- Bachelor of Fine Arts, 6. *See also* Fine Arts
- Bachelor of Science, 6. *See also* individual departments
- Balkan, 302
- Bambara, 237
- Basic Skills/Special Skills, 18
- Biochemistry, 80-81
- Biology, 62-73
- Biotechnology, 65-66
- Bulgarian, 299
- Business minor, 350
- Business, Kelley School of, 350
- Career Development Center, 18
- Career Counseling Services, 18
- Career Resource Library, 19
- Catalan, 314
- Central Eurasian Studies, 74-79
- Certificates, 7
- Change of major, 4, 15
- Chemistry, 80-86
- Chicano-Riqueño studies, 87
- Chinese, 120-121, 122-123
- Class standing, 17
- Classical Studies, 88-92
- Cognitive Science, 93-98
- Collins Living-Learning Center, 21-22
  - courses offered by, 345-346
- Communication and Culture, 99-104
- Comparative literature, 105-110
- Computer science, 111-115
- Concentration requirements, major, 12-13
- Costs, 369-371
- Counseling
  - freshmen, 4
  - premedical, prelaw, or professional, 14
  - for program planning, 14-15
- Courses. *See also* individual department listings
  - addition of, 17
  - incompleted, 16
  - withdrawal from, 16-17
- Credit by examination, 19
- Criminal justice, 115-120
- Croatian, 301
- Culture of Science and Medicine, 204
- Culture studies, 11-12, 373-379
- Czech, 299-301
- Deadlines
  - application for degree, 8
  - readmission, 18
  - transfer, 4-5
  - withdrawal, 16-17
- Dean's list, 19
- Declaring a major, 4
- Degrees, requirements for, 1-17. *See also* individual departments
  - Bachelor of Arts, 7-8
  - Bachelor of Fine Arts, 6
  - Bachelor of Science, 6
  - with distinction, 19
  - general, 7-8
  - with honors, 19-20
  - second bachelor's, 23
- Dentistry, 351
- Departmental honors programs, 19-20. *See also* individual departments
- Disabilities, 5
- Dismissal, 17
- Distribution requirements
  - approved distribution courses, 11
  - arts and humanities, 11
  - natural and mathematical sciences, 11
  - social and historical studies, 11
- Double major, 12
- Dutch, 185-188
- Earth science, 351
- East Asian languages and cultures, 120-129
- East Asian studies, 121
- Economics, 130-134
- Education, School of, 352
- Employment office, student, 18
- English, 135-142

- English composition requirement, 9  
 Environmental science, 142-144  
 Environmental studies, 353  
 Estonian, 74  
 Examinations  
   absences from, 17  
   credit by, 19  
   English placement, 9  
   foreign language placement, 10-11  
   mathematics placement, 9-10  
 Experimental courses, 20, 342  
 Exploratory students, 4  
 Fashion Design, 55-56  
 Fees, 369-371  
 Film studies, 144  
 Financial aid, 372  
 Fine arts, 145-157  
 Finnish, 74-75  
 Folklore and Ethnomusicology, 158-162  
 Foreign languages. *See also* specific languages  
   international students, 21  
   list of languages, 10-11  
   placement, 21  
   requirement, 10  
   special credit in, 10  
 Foreign study programs, 20, 343  
 French, 162-167  
 French and Italian, 162-169  
 Freshman Interest Groups Program, 343  
 Fundamental skills requirements, 9-11  
 FX Policy, 15-16  
 Game Studies, 322  
 Gender studies, 170-174  
 Geography, 174-179  
 Geological Sciences, 179-184  
 Georgian, 300  
 German, 185-189  
 Germanic studies, 185-189  
 Global Human Diversity, 43-44  
 Global Village, 346  
   courses offered by, 346-347  
 Grade point average requirements, 15-18  
 Grade appeals, 17  
 Graduation, application for, 8  
 Greek, 88-90  
 Greek, Modern, 336  
 Groups Student Support Services Program,  
   courses offered by, 343  
 Haitian Creole, 239  
 Hausa, 237  
 Health, Physical Education, and Recreation,  
   School of, 353  
 Hebrew, 217-221  
 Hindi, 211-212  
 History, 190-203  
 History and philosophy of science, 204-207  
 History of Art, 145-153  
 Honors College, Hutton,  
   courses offered by, 343-344  
 Honors, departmental, 19-20. *See also*  
   individual departments  
 Human Biology, 208-209  
 Hungarian, 75  
 Incompleted courses, 16  
 India Studies, 209-213  
 Individualized Major Program,  
   courses offered by, 213-214  
 Informatics, School of, 356  
 Initiative for Maximizing Student Diversity  
   (IMSD) Scholars Program, 344-345  
 Integrative Study of Animal Behavior, 41-42  
 Intensive Freshman Seminars, 343-344  
 Intensive writing requirement, 9  
 Interdepartmental major, 12-13  
 International students, 21  
 International Studies Program, 214-216  
 Interior design, 54, 58  
 Internship Opportunities Program, 20-21  
 Italian, 162-163, 167-169  
 Japanese, 120-122, 124  
 Jewish Studies, 217-225  
 Journalism, 356  
 Kazakh, 75  
 Korean, 124-125  
 Lakota, 51  
 Language placement tests, 21  
 Language requirement, foreign, 10  
 Latin, 88-92  
 Latin American and  
   Caribbean Studies, 225-229  
 Latino Studies, 230-231  
 Leadership, Ethics, and Social Action, 231-232  
 Learning Disabilities, 5  
 Liberal Arts and Management  
   Program, 232-234  
 Linguistics, 234-239  
 Living-Learning Centers, 345-348  
 Macedonian, 300-301  
 Major. *See also* individual departments  
   change of, 4, 15  
   concentration requirements, 12-13  
   double, 12  
   interdepartmental, 12-13  
   lists of, 5-6  
 Mathematics, 239-249  
 Mathematics requirement, 9-10  
 McNair Scholars Program, 347-348  
 Medical Sciences Program, 357  
 Medicine, School of, 357  
 Medieval Studies Institute, 249-250  
 Microbiology, 63-65  
 Military science, 22  
 Minor requirements. *See also* individual  
   departments, 13-14  
   list of optional minors, 13  
 Modern Greek, 336  
 Mongolian, 75  
 Music, Jacobs School of, 358-359  
 Natural and mathematical sciences  
   distribution requirement, 11  
 Near Eastern languages and cultures, 251-254  
 New Media and Interactive  
   Storytelling, 322-323  
 Norwegian, 188  
 Optometry, School of, 360  
 Ottoman and Modern Turkish, 76-79  
 Outside courses, 14  
 Overseas study programs, 22-23, 343  
 Pass/Fail option, 16, 23



- Persian, 75
- Phi Beta Kappa, 23
- Philosophy, 255-259
- Physics, 260-265
- Placement, career, 18-19
- Placement tests
  - English, 9
  - foreign language, 10-11
  - mathematics, 9-10
  - special credit, 21
- Plant sciences. *See* Biology
- Polish, 300
- Political science, 265-274
- Portuguese, 309, 310, 313-314
- Poynter Center for the Study of Ethics and American Institutions, 274
- Probation, academic, 17
- Program planning, 15
- Psychological and Brain Sciences, 275-283
- Public affairs, 360-361
- Public and Environmental Affairs, School of, 360-361
- Radio and television. *See* Telecommunications
- Readmission, 18
- Release of information in student records, 24
- Religious studies, 284-290
- Requirements. *See also* individual departments
  - admission, 3-4
  - arts and humanities, 11
  - culture studies, 11-12
  - degree, 1-15
  - distribution, 11
  - foreign language, 10-11
  - fundamental skills, 9-11
  - general, for bachelor's degree, 7-8
  - major concentration, 12-13
  - mathematics, 9-10
  - natural and mathematical sciences, 11
  - for second bachelor's, 23
  - social and historical studies, 11
  - writing, 9
- Reserve Officers Training Corps, 22
- Residence requirement, 8
- Residency status, 367-369
- Restart, 18
- Romanian, 300
- Russian, 295-299
- Russian and East European Institute, 291-294
- Sanskrit, 211-212
- Scandinavian, 188-189
- Science courses for nonscience majors, 23
- Secondary teacher certification, 7. *See also* individual departments
  - Serbian, 301
  - Sign language, 318
  - Sioux, 51
  - Slavic languages and literatures, 295-302
  - Slovak, 301
  - Slovene, 300
  - Social and historical studies distribution requirement, 11
  - Social Work, School of, 361-362
  - Sociology, 302
  - Spanish, 309, 310-313
  - Spanish and Portuguese, 309-314
  - Special courses and programs, 342-348
  - Special skills courses, 348
  - Speech and hearing sciences, 315-320
  - Statistics, 241
  - Student Employment Office, 18
  - Studio Art, 145-147, 153-157
  - Studying abroad, 22-23, 343
  - Swahili, 237-238
  - Symbols and Abbreviations, 24-25
  - Teaching of English as a Second or Other Language (TESOL) and Applied Linguistics, 295
  - Telecommunications, 321-328
    - business minor, 321-322
  - Tests, 9, 11, 17-19
  - Theatre and drama, 329-333
  - Tibetan, 76
  - Topics/Freshman Seminar Program, 348
  - Transcripts, 17
  - Transfer students, 4-5, 366-367
  - Tuition, 369-371
  - Turkish, 76-79
  - Turkmen, 76-79
  - Twi, 238
  - Undergraduate Status Update Form, 24
  - University policies, 365-372
  - Uralic and Altaic studies, 74-79. *See* Central Eurasian Studies
  - Urban studies, 363
  - Urdu, 212
  - Uygur, 76
  - Uzbek, 76
  - Veterans benefits, 372
  - West European Studies, 334-341
  - Withdrawals, 16-17
  - Workshop in Political Theory and Policy Analysis, 268
  - Writing requirement, 9
  - Yiddish, 185, 189
  - Zoology. *See* Biology
  - Zulu, 238

# Indiana University Bulletins

You may want to explore other schools of Indiana University. The following is a complete list of our bulletins. Please write directly to the individual unit or campus for its bulletin.

## Indiana University Bloomington

College of Arts and Sciences  
Kelley School of Business<sup>1</sup>  
School of Continuing Studies<sup>2</sup>  
School of Education<sup>1</sup>  
School of Health, Physical Education, and Recreation  
School of Informatics<sup>1</sup>  
School of Journalism  
Division of Labor Studies  
School of Law—Bloomington<sup>3</sup>  
School of Library and Information Science  
Jacobs School of Music  
School of Optometry  
School of Public and Environmental Affairs<sup>1</sup>  
University Division<sup>4</sup>

## \*Indiana University–Purdue University Indianapolis

\* Kelley School of Business<sup>1</sup>  
\* School of Continuing Studies<sup>2</sup>  
\* School of Dentistry  
School of Education<sup>1</sup>  
School of Engineering and Technology (Purdue University)  
School of Health and Rehabilitation Sciences  
Herron School of Art  
\* School of Informatics/IUPUI New Media Program<sup>1</sup>  
School of Journalism  
\* Division of Labor Studies  
\* School of Law—Indianapolis<sup>3</sup>  
School of Liberal Arts  
\* School of Library and Information Science  
\* School of Medicine  
Military Science Program  
\* Jacobs School of Music  
\* School of Nursing<sup>1</sup>  
\* School of Optometry  
School of Physical Education and Tourism Management  
\* School of Public and Environmental Affairs<sup>1</sup>  
School of Science (Purdue University)  
\* School of Social Work  
\* University College

## Indiana University East (Richmond)

## Indiana University–Purdue University Fort Wayne

## Indiana University Kokomo

## Indiana University Northwest (Gary)

## Indiana University South Bend

## Indiana University Southeast (New Albany)