School of
Health, Physical Education,
and Recreation

Bloomington Campus

Bulletin

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 92,000 students. IU also offers courses through facilities at Columbus, Elkhart, and many other sites.

**Indiana University Campuses**
- Indiana University Bloomington
- 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)

Indiana University is accredited by the North Central Association of Colleges and Schools (NCA) through the Commission on Institutions of Higher Education, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504; 1-800-621-7440.

While every effort is made to provide accurate and current information, Indiana University reserves the right to change without notice statements in the bulletin series concerning rules, policies, fees, curricula, courses, or other matters.
School of Health, Physical Education, and Recreation

Mission of the School
The mission of the School of Health, Physical Education, and Recreation is to facilitate research and scholarly inquiry, the preparation of professionals, and the provision of services in health, kinesiology, and recreation. We embrace lifelong opportunities for discovery, learning, and participation that contribute to healthy lifestyles for Living Well.

A History of Leadership
Established in 1946 as the first School of Health, Physical Education, and Recreation in the United States, the school and its programs have grown to encompass a broad spectrum of academic interests and professional fields. As a result of the scholarship and service records of the faculty and the unparalleled professional contributions of the school’s worldwide alumni, Indiana University has earned an enviable reputation for excellence both at home and abroad. As one of the most active and influential alumni groups in the United States, Indiana University graduates continue to provide a loyal support network for current programs and students.

Organization of the School
The school comprises the Department of Kinesiology, the Department of Recreation and Park Administration, and the Division of Therapeutic Recreation. Close working relationships are maintained with other schools and departments on the campus, including the Medical Sciences Program, the School of Education, and the Department of Intercollegiate Athletics, as well as units on the Indianapolis campus such as the Indiana University Medical School and the National Institute for Fitness and Sport.

HPER on the World Wide Web
A comprehensive description of the degree programs, courses, faculty, research, institutes, laboratories, and other aspects of the School of Health, Physical Education, and Recreation is available on the World Wide Web at http://www.indiana.edu/~hperweb/. Also accessible from the School of HPER home page is extensive information about Indiana University.

Curriculum and Degrees
Each of the three academic departments offers degrees ranging from the Bachelor of Science to the doctorate over a wide variety of majors and specializations. Separate degree programs have been designed to fit the needs of students who anticipate careers in research, education, public service, or private enterprise. Particular attention has been given to the development of a curricular structure that will meet the most stringent contemporary academic criteria while maintaining sufficient flexibility to accommodate individual requirements. The degrees and majors offered within the School of Health, Physical Education, and Recreation are as follows:
- Certificate in Hazard Control Technology
- Certificate in Martial Arts
- Associate of Science Degree in Applied Health Science
- Dietetics
- Health Education—Secondary Teacher Preparation
- Human Development/Family Studies
- Nutrition Science
- Occupational Safety
- Public Health Education
- Bachelor of Science in Kinesiology
- Athletic Training
- Athletic Training—Teacher Preparation
- Exercise Science
- Sport Communication—Broadcast
- Sport Communication—Print
- Sport Marketing and Management
- Teacher Preparation—All Grade
- Bachelor of Science in Recreation
- Outdoor Recreation and Resource Management
- Park and Recreation Management
- Therapeutic Recreation
- Recreational Sport Management
- Tourism Management
- Graduate Certificate in Health Studies
- Graduate Certificate in Therapeutic Outdoor Programs
- Master of Public Health
- Master of Science in Applied Health Science
- Health Promotion
- Human Development/Family Studies
- Nutrition Science
- Safety Management
- School Health Education

Kinesiology Minor—Nonteaching Option
Kinesiology—Teaching Option
Coaching Endorsement
Martial Arts Certificate Program
Recreation Major
Recreation Degree Programs
Park and Recreation Management
Recreational Sport Management
Outdoor Recreation and Resource Management
Therapeutic Recreation
Tourism Management
Recreation Minor
Graduate Program
General Information
Admission
Application for Graduate Study
Steps for Admission
Application Deadlines
Admission Status
Admission—Master’s Degree
Admission—Director’s Degree
Admission—Doctoral Degree
Financial Assistance
Other Forms Required
Graduate Student Research and Human Subjects
Academic Regulations
General Information
Academic Standing
Transfer of Credit
Time Limitations and Academic Deadlines
Residence Requirement
Required Graduate Student Meetings
Employment
Teacher Certification
Graduate Certificate Program
Master’s Degrees
Thesis Option
Master of Science Degrees
Master’s Degree—Double Major
Dual Master’s Degrees
Applied Health Science Options
Kinesiology Options
Recreation and Park Administration Options
Master of Public Health Degree
Master of Public Health Option
Director’s Degrees
Program of Studies
Directorate Advisory Committee
Thesis
Internship
Final Examination
Doctoral Degrees
General Requirements
Doctoral Advisory Committee
Qualifying Examinations
Admission to Candidacy
Dissertation Research Committee
Enrolment after the Qualifying Examination
In Absentia Enrollment
Dissertation
Concluding Activities
Publication of the Dissertation
Final Examination
H.S.D., P.E.D., and Re.D. Degrees
Major and Minor Course Work Requirements
Applied Health Science Options for Doctorate Minor
Distribution of Required Credits
Research Skill Requirement
Ph.D.
Prerequisites
Major and Minor Course Work Requirements
Distribution of Required Credits
Research Skill Requirement
Courses
Applied Health Science
Public Health Education
School and College Health Education
Safety Management
Human Development/Family Studies
Nutrition Science/Dietetics
Kinesiology
Professional Program
Athletics
Dance
Kinesiology
Physical Education Elective Program
Recreation and Park Administration
Interdepartmental and Technical Courses
Education Courses
Faculty
Faculty Emeriti
Faculty
Alumni Association
Indiana University chose to print this bulletin with soy-based ink on recycled paper, both of which are more environmentally sound than traditional printing materials. You can make another sound choice. Please recycle this bulletin.
The HPER Alumni Association publishes the school’s alumni magazine HPER Dimensions, mailed annually to more than 15,000 HPER alumni in all 50 states and 41 foreign countries. Through this magazine alumni, faculty, and students are able to maintain contact as well as to keep abreast of changes in the school. The HPER Alumni Association also sponsors receptions at the annual conferences of the National Recreation and Park Association; American School Health Association; American Alliance for Health, Physical Education, Recreation, and Dance; National Intramural and Recreational Sports Association; and the National Athletic Training Association. These receptions offer alumni an opportunity to renew old friendships, meet new friends, and visit with faculty. In addition, the HPER Alumni Association hosts tailgate events at Indiana University football games, as well as a December and May graduation send-off luncheon for graduates and their families. The HPER Alumni Association is governed by an elected 17-member board of directors, 3 student members, and 3 lifetime members, which meets quarterly. For more information about Alumni Association activities, visit http://www.indiana.edu/~hper/alum/home.html.

Assessment of Student Learning
In preparing students to face the important individual and societal wellness challenges and demands of tomorrow, the faculty of the School of Health, Physical Education, and Recreation strive to provide the highest quality undergraduate and graduate academic programs available in the nation. Assessment of student success is a formalized, ongoing, dynamic process that demonstrates accountability in the achievement of the school’s academic mission. The assessment process helps students and professors judge the mastery of the learning outcomes that are specified in the school’s assessment plan for each HPER academic program. In addition to knowledge of content, other outcomes assessed by faculty involve the student’s skills in oral and written communication, analysis, critical thinking, judgment, problem solving, decision making, valuing, interaction, and leadership. Faculty value assessment as a basis for improvement of the curriculum, courses in the majors, and enhancement of the quality of teaching. The central test of teaching is accountability in the achievement of the school’s assessment plan for each HPER academic program. In addition to knowledge of content, other outcomes assessed by faculty involve the student’s skills in oral and written communication, analysis, critical thinking, judgment, problem solving, decision making, valuing, interaction, and leadership. Faculty value assessment as a basis for improvement of the curriculum, courses in the majors, and enhancement of the quality of teaching. The central test of teaching is accountability in the achievement of the school’s assessment plan for each HPER academic program. In addition to knowledge of content, other outcomes assessed by faculty involve the student’s skills in oral and written communication, analysis, critical thinking, judgment, problem solving, decision making, valuing, interaction, and leadership. Faculty value assessment as a basis for improvement of the curriculum, courses in the majors, and enhancement of the quality of teaching. The central test of teaching is accountability in the achievement of the school’s assessment plan for each HPER academic program. In addition to knowledge of content, other outcomes assessed by faculty involve the student’s skills in oral and written communication, analysis, critical thinking, judgment, problem solving, decision making, valuing, interaction, and leadership. Faculty value assessment as a basis for improvement of the curriculum, courses in the majors, and enhancement of the quality of teaching. The central test of teaching is accountability in the achievement of the school’s assessment plan for each HPER academic program.

Student Services within the School
Advising
Prior to registering each semester the student must meet with an assigned academic advisor for ongoing assistance in academic and career planning. During this meeting the registration approval form must be signed by the academic advisor. The student may pick up the registration ticket in HPER 115, after submitting this approved form. Students are responsible for tracking their own academic progress.

Placement
Each academic department actively gathers placement opportunities and information for those students in their fields. Career planning and placement opportunities are also available through the school’s student organizations. Contact your major department office or your academic advisor for more details.

Student Organizations
Students are encouraged to participate in the student organizations of the School of HPER. For more information on organizations, membership eligibility and activities, contact the department or division in which the organization is listed. Some of these organizations include:

School of Health, Physical Education, and Recreation Undergraduate Student Advisory Council
School of Health, Physical Education, and Recreation Graduate Student Advisory Council

These school councils are composed of two representatives from each academic department, appointed annually by the department to discuss issues of interest to their student constituents within the school. They also serve in an advisory capacity to the dean.

Applied Health Science
Eta Sigma Gamma—Nu Chapter (the national health science honorary)
Indiana University Dietetics and Nutrition Club
Indiana University Student Council on Family Relationships

Kinesiology
Student Athletic Training Council
Sport Marketing and Hoosier Club
Kinesiology Club
Recreation and Park Administration
Undergraduate Recreation Society
Graduate Recreation Society

SRLA: Student Recreational Sports Association
The Student Recreational Sports Association is a student organization acting as an advisory and programming group to the division. The association is a communication liaison between students, the recreational sports staff, and Bloomington administration. SRLA is dedicated to monitoring, improving, and promoting recreational sport opportunities to students, faculty, and staff at Indiana University—Bloomington. To achieve this mission, the association has participant advisory groups for each program area (Aquatics/Informal Sports, Intramural Sports, Club Sports, Fitness/Wellness, Special Events) and special committees established to work on projects of common interest (alumni relations, facilities, special projects, relations/communication). Call 855-2371 for additional information.

School of HPER Awards and Scholarships
A variety of awards and scholarships are available for admitted undergraduate and graduate students in the School of HPER. Eligibility criteria for these awards vary. Some of these considerations include demonstration of academic excellence, leadership in extracurricular activities, or financial need. Students are encouraged to discuss these award and scholarship possibilities with their academic advisor. Award amounts vary, based on funding availability. For more information, contact the recorder’s office, (812) 855-1561, or visit http://www.indiana.edu/~hperweb/scholar.html.

School of HPER Awards
W. W. Patty HPER Alumni Scholarship
Student Research and Travel Grants-In-Aid (Undergraduate and Graduate)

Kinesiology Awards
Curtis R. Simic Scholarship
Edna F. Munro Physical Education Scholarship
Gallahue-Morris Graduate Research Award
Harry Dippold Scholarship
Kate C Remley Memorial Scholarship
Leroy “Bud” Getchell Scholarship
Nancy Friedman Memorial Scholarship
NASPE Outstanding Physical Education Major of the Year Award
Phyllis Wood Undergraduate Award
“Spike” Dixon Athletic Training Award
Swift-Russell Scholarship
W. W. Patty Scholarship

Applied Health Science Awards
American Dietetic Association Scholarship
American Industrial Hygiene Association
Indiana University的一些教学领域

- 体育科学
- 运动训练
- 运动生理学
- 运动医学
- 身体活动
- 运动康复
- 运动心理学
- 运动社会学
- 运动管理
- 运动评估
- 运动物理治疗
- 运动健康科学

HPER Library
The HPER Library, a branch of the Indiana University Library, collects materials and resources that support the instruction, study, and research needs of the faculty and students of the School of Health, Physical Education, and Recreation. This busy library located within the HPER Building provides easy and convenient access to electronic resources, references, abstracts, and full-text articles on diverse topics. More information regarding the HPER Library, including access to the collection of holdings is available on the World Wide Web at http://www.indiana.edu/~libhper/.

HPER Alumni Association
The School of HPER maintains contact with alumni through the HPER Alumni Association, a constituent society within the parent Indiana University Alumni Association.
Indiana Park and Recreation Association Grants and Scholarships
Leisure Studies Grant
Scholarships for Children of Indiana Park and Recreation Society Members

Division of Recreational Sports Awards
Hurst-Schlafer Scholarship
William H. Lindley Jr. Award
Otto E. Ryser Gymnastics Award
Rubert Stumpner Outstanding Senior Award
Ora A. Wildermuth Recreational Sports Scholarship
Richard F. Mull Outstanding Volunteer Awards
Terry Clapaco Outstanding Manager Awards

Units in the School of Health, Physical Education, and Recreation

Department of Applied Health Science

Faculty
Chairperson  Chancellor’s Professor Torabi
Assistant to the Chairperson  Associate Professor Lindeman
Associate Professors  Engs, Torabi, Yarber
Assistant Professors  Billingham, Birch, Ellis, Fly, Gilbert, Shier
Assistant Professors  Daniels, Fravel, Kay, Tai-Seale
Associate Professor, part-time  Bailey
Assistant Professor, part-time  Schmidt
Research Associates  Kay, Shervood-Puzzello
Lecturers  Getty, Hall, Mikels

Applied Health Science Web Page  A comprehensive description of applied health science degree programs, courses, faculty, research, institutes, and laboratories is accessible on the World Wide Web at: http://www.indiana.edu/~aphs/.

Description of the Program
The Department of Applied Health Science at Indiana University is one of the oldest and most respected professional preparation programs in the United States. The department offers study in school and college health education, public health education, safety science and safety management, human development and family studies, nutrition science, and dietetics. In a national ranking of professional preparation programs in health education, the department’s doctoral program was ranked first in the nation, and its master’s degree program was ranked ninth among approximately 300 universities throughout the nation.

Areas of Specialization
The department offers a comprehensive curriculum of undergraduate and graduate degree programs and courses that emphasize the importance of education in the prevention of personal and family problems related to lifestyle and health behavior. Six areas of specialization are available to the student: School and college health education is concerned with programs that promote the health of children and young adults in schools and colleges. This area traditionally includes courses in alcohol, tobacco, and other drug abuse; emergency care; human sexuality; consumerism; and other related areas. At the undergraduate level, students can study health teaching in a joint program with the School of Education. A cumulative GPA of 2.3 is required for admission to this area.

Public health education promotes the health of the general public. Students acquire the skills to develop, implement, and evaluate health education and promotion programs in community, occupational, and clinical settings. In 1997 the Master of Public Health program received accreditation in Public Health Education from the Council on Education for Public Health. A cumulative GPA of 2.5 is required for admission to this area.

Occupational safety (undergraduates) and safety management (graduates) develop the skills and professional competencies for safety and risk management of both public and private organizations. A cumulative GPA of 2.5 is required for admission to this area.

Human development/family studies examines growth and development throughout the lifespan. Family studies examines more specifically roles within the family, and how the members of diverse kinds of families interact with one another and with greater society. A cumulative GPA of 2.5 is required for admission to this area.

Nutrition science integrates the basic and applied principles of nutrition and related sciences such as anatomy, physiology, biochemistry, and medicine. Students learn to apply nutrition to health promotion. Courses of study include human nutrition, nutritional biochemistry, diet and disease, and food science. A cumulative GPA of 2.5 is required for admission to this area.

Dietetics studies the role of nutrition in health promotion and disease prevention and treatment in clinical and community settings. Students learn to apply the principles of nutrition, food science, and food management in advancing health promotion. The curriculum meets American Dietetic Association (ADA) Didactic Program in Dietetics approval. A cumulative GPA of 2.5 is required for admission to this area.

Degree Programs
Degree programs currently available in the Department of Applied Health Science include:
Certificate in Hazard Control Technology
Associate of Science (A.S.) in Hazard Control Technology
Bachelor of Science (B.S.) with options in:
Dietetics
Health Education—Secondary Teacher Preparation
Human Development/Family Studies
Nutrition Science
Occupational Safety
Public Health Education
Minors
Dietetics/Nutrition Science (15 cr.)
Public Health Education (16 cr.)
Certificate of Health Studies (Graduate)
Master of Science (M.S.) in Applied Health Science with options in:
Health Promotion
Human Development/Family Studies
Nutrition Science
Safety Management
School and College Health Education
Master of Public Health (M.P.H.) in Public Health Education
Doctor of Health and Safety (H.S.D.) with options in:
Health Promotion
Human Development/Family Studies
Nutrition Science
Safety Management
School and College Health Education
Master of Public Health (M.P.H.) in Public Health Education
Doctor of Health and Safety (H.S.D.) with options in:
School and College Health Education
Health and Safety Studies
Doctor of Philosophy (Ph.D.) in Human Performance with an option in Health Behavior
Doctoral minors with options in:
Alcohol and Drug Use
Health Promotion
Human Development/Family Studies
Human Sexuality Education
Nutrition Science
Public Health Education
Safety Management
School and College Health Education

CAREERS
Sources of potential employment for program graduates are numerous and varied and include public and private schools and colleges; local, state, and federal agencies; international agencies; voluntary health agencies; professional El associations; clinics, hospitals, and private health care facilities; business; industry; and the military. Prospects for employment are good, especially if the individual is willing to relocate.

Scholarly Inquiry
The Department of Applied Health Science has a long-standing commitment to scholarly inquiry in a broad spectrum of areas emphasizing health promotion and prevention of health problems. Research and creative activity in the department includes both basic and applied work in program planning and development; evaluation of the effectiveness of instruction; examination of lifestyle and health behavior in relation to nutrition, exercise, stress, alcohol, tobacco, and other drug abuse, individual development and family health, communicable disease, human sexuality, and related areas. In addition to research projects, faculty members engage in a variety of other scholarly activities, including the preparation of articles, textbooks, and other publications. Faculty are frequently asked to present scholarly papers at regional, national, and international conferences.

Research, Instructional, and Service Projects
In addition to offering a variety of courses and degree programs, the department is continuously involved in a number of innovative research, instructional, and service projects that include the following:

Center for Health and Safety Studies This center provides support services to the university community, to the profession, and to the state of Indiana through conferences, research projects, and the management of grants and contracts. Director: Torabi.

Hazard Control Program This project educates Department of Defense military and civilian personnel in the area of safety science. Director: Hall.

Rural Center for AIDS/STD Prevention The major focus of this center is the promotion of AIDS/STD prevention in rural America. Senior Director: Yarber. Co-director: Torabi.

The Indiana Prevention Resource Center A statewide clearinghouse of prevention technical assistance and information about alcohol, tobacco, and other drugs, funded by a contract with the Indiana Family and Social Services Administration—Division of Mental Health. Director: Bailey.

The Indiana University Institute for Drug Abuse Prevention Directed by faculty in the Department of Applied Health Science, the institute provides a research and service infrastructure for a wide range of drug prevention grants and contracts. Co-directors: Bailey and Torabi.

Department of Kinesiology

Faculty
Chairperson Professor Morris
Professors Dapena, Fielding, Gallahue, Koeja, Knight, Skinner, Surburg
Associate Professors Brechue, Brown, Burns, Burrus, Carlson, Chapin, Frey, Grove, Hamm, Henson, Raglin, Sales, Stager, Wallace
Assistant Professors Bair, Cothran, Haven, Kellett, Mull, Schrader, Vardaxis, Yeagley
Instructor Lawrence
Lecturers Beeker, Beeran, Black, Cousins, Ellenberger, Carroll, Jansen, Kennedy, Kessler, Kinneman, Klein, Lara-Plummer, Lueken, Poppy, Smith, Willett
Research Associate Jastremski

Kinesiology Web Page A comprehensive description of kinesiology degree programs, courses, faculty, research, institutes, and laboratories is accessible on the World Wide Web at: http://www.indiana.edu/~kines/

Description of Program
The Department of Kinesiology offers both undergraduate and graduate curricula.

Undergraduate concentrations in athletic training, exercise science, sport communication, sport marketing and management, and physical education (K-12 teacher certification) all lead to the Bachelor of Science in Kinesiology.

Programs offered by the Department of Kinesiology are interdisciplinary, providing course work and appropriate practicum experiences that are excellent preparation for specific careers or for pre-professional and graduate school opportunities. The athletic training curriculum prepares the student for certification by the National Athletic Trainer’s Association. Exercise science students may elect course work that leads to certification by the American College of Sports Medicine. Students in sport communication may emphasize either print or broadcast concentrations with course work in journalism or telecommunications. Sport marketing and management majors are required to complete a core of courses in the School of Business.

The undergraduate teacher preparation curriculum combines courses in teaching methodology and the human movement sciences. Professional and technical instruction is provided for teaching various sports, dance, and fitness activities commonly taught in the elementary and secondary schools. This preparation is based on and intertwined with appropriate theoretical models and best practices that lead to all-grade (K-12) licensing in the state of Indiana.

The department offers an extensive program in elective physical education activities that is open to majors as well as students from other departments and/or schools on the Bloomington campus. Included in the elective courses are aquatics, conditioning, dance, individual sports, martial arts, racquet sports, and team sports.

Graduate curricula lead to the degrees of Master of Science, Doctor of Physical Education, and Doctor of Philosophy (Ph.D.) in human performance. A variety of emphasis areas are available for graduate degree candidates, including adapted physical education, applied sport science, athletic training, human performance, social science of sport, and sport management. The Ph.D. program in human performance emphasizes biomechanics, exercise physiology, adapted physical education, and motor learning/control. The department operates human performance research laboratories in these areas.

Degree Programs
Degree programs currently available in the Department of Kinesiology include:
Bachelor of Science in Kinesiology

Athletic Training
Athletic Training—Teacher Preparation
Exercise Science
Sport Communication—Broadcast
Sport Communication—Print
Sport Marketing and Management
Physical Education Teacher Education—All Grade

Teaching and non-teaching minors and certificates are offered.

Master of Science in Kinesiology

Adapted Physical Education
Applied Sport Science
Athletic Administration/Sport Management
Athletic Training
Biomechanics
Clinical Exercise Physiology
Exercise Physiology
Motor Learning/Control
Sport Psychology
Social Science of Sport

Doctor of Physical Education
Doctor of Philosophy in Human Performance

Scholarly Inquiry
The faculty of the Department of Kinesiology engage in research and creative activity in a variety of areas, including the exercise sciences and the social science of sport and human development.

Within exercise science, the department supports research in exercise physiology,
Department of Recreation and Park Administration

Faculty
Acting Chairperson: Associate Professor Ross
Professors: Austin, Ewert, Hawkins, Hronek, Meier, Mobley, Ridouneur, Russell
Associate Professors: Brayle, Jamieson, Knapp, Lee, McLean, Robb, Silverman
Assistant Professors: McCormick, Shepley
Lecturers: Barcelona, Bayless, Beeker, Behrman, Bertuccio, Decker, Huber, Niles, Parham, Pena, Price, Rogers, Ruf, Sharpless, Solis, Stone, Unger, Voight, Wolter

Recreation and Park Administration Web Page
A comprehensive description of recreation and park administration degree programs, courses, faculty, research, institutes, and laboratories is accessible on the World Wide Web at http://www.indiana.edu/~recpark/

CAREERS
The department prepares students for careers in a variety of park, recreation, and leisure services settings, such as public parks and recreation; youth agencies; recreational sports facilities; hospitals, extended care facilities, and rehabilitation centers; private and commercial recreation; tourism; camping and outdoor education; and military recreation.

Description of Undergraduate Program
The undergraduate curriculum, leading to the B.S. in Recreation degree, prepares students for positions as recreation activity programmers, planners, and leaders; managers of facilities; supervisors; park and recreation resource managers; and specialists in such areas as computer applications, therapeutics recreation, military recreation, and environmental education.

Students may select from five emphases: Park and Recreation Management; Therapeutic Recreation; Outdoor Recreation and Resource Management; Recreational Sport Management; Tourism Management.

Description of Graduate Programs
The graduate curriculum is for students preparing for careers in administration, management, teaching, and research. In addition, students often elect to pursue recreation specialist careers in such areas as recreation planning, environmental education, computer applications, and clinical and nonclinical therapeutic recreation. The M.S. (Master of Science) in Recreation offers four major options:

General Administration: This option is for students interested in public agencies, private/commercial agencies, college unions, tourism, or general administration/management.

Outdoor Recreation: This option is for students interested in outdoor recreation management, resource management, camping administration, outdoor/environmental education, interpretation and outdoor leadership.

Recreational Sports Administration: This option is for students with career objectives in sports administration in colleges/universities, public and private recreation agencies, or the Armed Forces.

Therapeutic Recreation: This option is for students interested in working with disabled persons, either clinical or nonclinical settings.

Advanced graduate degrees include the Re.D. (Director of Recreation), the Re.D. (Doctor of Recreation), and the Ph.D. in human performance, with an option in health care behavior. These degree programs are designed for graduate students wishing to pursue careers in management and administration, teaching, research, or administration in higher education.

Scholarly Inquiry
Scholarship in the Department of Recreation and Park Administration reflects a commitment to increasing the understanding of leisure and recreation at both basic and applied levels. Faculty and students are involved with scholarly research to develop findings that may be applied by practitioners. Illustrative of research on leisure behavior have been studies on the leisure behavior of women and physiological indicators of leisure experiences. Examples of applied studies have been investigations to establish national strategic plans for park and recreation systems, to determine travel behavior and decision-making patterns, and to study the effects of outdoor recreation on the behavior of children with disabilities. A second area is the scholarship of teaching, where faculty engage in creative activities such as those funded by recent curriculum development grants from the Administration on Aging and the Department of Education. A third area of applied scholarship is the development of strategic plans for leisure service agencies and the provision of accessibility training for staff members of the National Park Service.

Each graduate faculty member pursues scholarship in a specialty, in addition to supervising scholarly activities of students. The department has several graduate emphases, including park and recreation administration, outdoor recreation resources administration, sport management, therapeutic recreation, and leisure behavior.

Research and Service Projects
Major programs within the department include the following:

The Bradford Institute on Disabled Americans Outdoors This alternative learning environment also serves as a treatment and recreational setting for persons with disabilities.

Bradford Woods Indiana University's nationally recognized outdoor education and camping center has 2,900 acres and is administered by the Department of Recreation and Park Administration. More than 10,000 people use the facility each year for workshops, conferences, academic programs, continuing education, research, and retreats. It is also the home of Camp Riley (a national camping demonstration area for people with disabilities) and the national headquarters of the American Camping Association.

Executive Development Program This midcareer park and recreation program assists executives in keeping abreast of the changing world and in continuing to develop managerial skills.

Great Lakes Park Training Institute Serving park executives and their staffs with up-to-date, hands-on techniques, this institute draws administrators, supervisors, and technicians from municipal, regional, state, and federal agencies in the United States and Canada.

Leisure Research Institute Equipped with the latest in available computer support, this institute provides research support services to students and faculty as well as a focus for departmental research efforts and the expansion of cooperative research projects.

Hilltop Garden and Nature Center One of the oldest children's gardens in the United States, Hilltop contains 75 children's trees and vegetable plots plus a herbaceous perennial garden, fruit trees, herb garden, special display plantings, and test gardens. As part of the department, Hilltop is a laboratory for IU students in outdoor education, resource management, horticulture, and science education.
Other Research and Service Projects
Graduate and undergraduate students are afforded nonclassroom experiences through such programs and park and recreational facilities as:
- Summer Camp Job Fair
- Division of Recreational Sports
- Outdoor Recreation Consortium
- State and national forests, parks, and recreational areas
- YMCA Fitness Center and youth agencies
- Institute for the Study of Developmental Disabilities
- Indiana Memorial Union
- Bloomington Parks and Recreation Department

Division of Recreational Sports

Personnel
Director  Bayless
Associate Director  Puterbaugh
Program Directors  Cole, Corley, Kennedy, Pedersen, Grannon
Assistant Directors  Auer, Hall-Yanessa, Jimenez, Tippin
Coordinator  Wee

Recreational Sports Web Page  A comprehensive description of all recreational sport opportunities is available on the World Wide Web at:  http://www.indiana.edu/~recsport/

Description of Programs
The mission of the Division of Recreational Sports is to provide sport and fitness services for students, faculty, staff, and the public to encourage an active, healthy lifestyle and to enhance a sense of community. This is accomplished by offering diverse sport and fitness opportunities, distinctive facilities and equipment, educational avenues for student development, and leadership to the profession. The division strives to be the most comprehensive, inclusive, and progressive recreational sports program in the country while making participation fun for all.

With two convenient campus locations, the Health, Physical Education, and Recreation Building (HPER) and the Student Recreational Sports Center (SRSC), the division offers a wide variety of programs and services to all participants at Indiana University. Programs are available to accommodate the diverse sports and fitness needs of students with families, people with disabilities, and international students. Opened in 1995, the SRSC is a 137,000-square-foot multipurpose facility, that includes three multipurpose sport areas, a five-court field house with a 1/8-mile elevated running/jogging/walking track, an Olympic-size pool, a diving well with competition towers, ten racquetball/handball courts, four squash courts, two conditioning/weight training rooms, an auditorium, locker rooms, and a fitness consultation room.

The Division of Recreational Sports makes maximum use of all campus sport facilities for aquatic, informal, intramural, club sport, and fitness activities. For students who enjoy recreational activities at their leisure, informal sports hours have been increased during prime time at both the HPER Building and at the SRSC; time scheduled for informal swimming has been increased 300 percent. Equipment check-out is also available at no charge to students with a valid Indiana University identification card. Locker rentals are available at both the HPER Building and the SRSC.

The intramural sports program sponsors men’s, women’s, and co-intramural tournaments in team, dual, individual, and meet competitions. Sport clinics are offered to help place students on teams, to review game rules, and to teach proper warm-up exercises. Students interested in tournament competition will enjoy the availability of volleyball and basketball courts, as well as a competition court for championship games and special events.

The club sports program offers students more than 45 club opportunities ranging from aikido to fencing to tennis to wrestling. Clubs help students share a common interest in a particular sport, whether the emphasis within the club is social, instructional, or competitive. For students who enjoy the water, the aquatics program offers three heated, indoor pools and a diving well with competition boards and towers. Noncredit swimming instruction is available. The division also offers lifeguard training sessions and Water Safety Instructor (WSI) sessions for students who want to learn the techniques of water rescue or swimming instruction. With the Olympic-size pool and diving well at the SRSC’s Councilman/Billingsley Aquatic Center, the division is able to host NCAA swimming, diving, and water polo competitions. The division also hosts special events such as United States Swim Association state and national swimming events, intramural and club events, and family swim times.

The fitness/wellness program offers students the expertise of fitness/wellness consultants in two strength and conditioning rooms, with a total of 400 pieces of variable resistance, free weight, and cardiovascular equipment. Consultants provide fitness testing and assessment, and equipment orientation. A staff of highly qualified personal trainers is also available to provide personal training services and wellness education. The fitness/wellness program also offers a wide range of group exercise sessions such as slide, step, indoor cycling, total body conditioning, pure stretching, Resist-A-Ball, and deep water exercise. Mind/body sessions are also available, offering instruction in yoga and tai chi. Noncredit instruction is offered in a number of sports, including tennis, trap and skeet, and rifle and pistol. Instruction is made available through clinics and lessons and takes place in auxiliary facilities such as the Indiana University Tennis Center, the Trap and Skeet Range, and the Indiana Memorial Union Rifle and Pistol Range.

As part of the overall program, several paid and volunteer leadership experiences are available to students who want to get involved in supervising, officiating, unit management, or other leadership roles within the division. Through their academic unit, students can acquire an option in recreational sports by participating in these leadership experiences.
Undergraduate Program

Admission

For in-depth information on the School of Health, Physical Education, and Recreation, as well as Indiana University, visit the HPER home page on the World Wide Web at: http://www.indiana.edu/~hperweb

For information on admission procedures and curriculum requirements, students seeking the bachelor’s degree are advised to contact:

Office of the Dean
School of Health, Physical Education, and Recreation
1025 East 7th Street
HPER 115
Indiana University
Bloomington, IN 47405-7109
(812) 855-1561

An undergraduate enrolled through the University Division must have completed at least 26 credit hours with at least a 2.0 grade point average in order to declare a major with the School of Health, Physical Education, and Recreation. Additional requirements for specific programs are listed below.

Undergraduate students who complete the semester before certification of admission to the school division must have completed a 2.0 for the semester will be admitted on a probationary status. Separate application procedures apply for those who are not citizens of the United States. International application materials may be obtained from:

International Admissions
Indiana University
300 North Jordan Avenue
Bloomington, Indiana 47405-7700
(812) 855-4266

International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL). A minimum TOEFL score of 550 on the paper-based test, or 213 on the computer-based test is required for direct admission to the School of Health, Physical Education, and Recreation. In those exceptional instances in which TOEFL scores are not available, other evidence demonstrating English proficiency may be considered. All entering international students whose native language is not English will be required to take the Indiana University English language examination prior to registration for course work. Appropriate remedial English courses may be prescribed on the basis of test results.

HPER GradPact Program

Those students who are, upon entrance to Indiana University Bloomington, able to determine their university major and who need to graduate as quickly as possible, may wish to consider the School of HPER GradPact Program. The HPER GradPact Program guarantees that the student with a HPER major will graduate within 128 graduation credits if those courses listed on the degree tab sheet are successfully completed.

Part I. Student Responsibility: Responsibility for academic success within the HPER GradPact Program is ultimately the student’s.

Timely completion of requirements. Students must begin study in their major early enough so that they can arrange their courses of study and begin progress toward their degree in a timely manner. This means that students (1) should begin the completion of course requirements for admission to their School of HPER major in the first semester of their first year, (2) must complete all and only the course and competency requirements set forth in the HPER GradPact contract, (3) may change majors within the School of HPER at any time if the change does not impede their eligibility to graduate with no more than a total of 128 graduation credits, and (4) may not apply HPER GradPact toward minors. Courses taken outside the contract that make students’ total completed credit hours more than 128 graduation credits render them ineligible for continuing on this graduation assurance program.

Consistent Progress: Students must make consistent progress toward their degree. This means that students (1) must have completed all campus procedures for signing on and remaining eligible for HPER GradPact prior to their admission to a School of HPER major, (2) must complete all School of HPER stipulated procedures for remaining eligible for the HPER GradPact program once admitted to a School of HPER major, (3) must, after certifying into a HPER major, meet with their HPER-assigned advisor during the preregistration advising period each semester enrolled (students in HPER majors not using HPER-assigned advisors will not be eligible for HPER GradPact), (4) are responsible for tracking their own progress, and (5) with the following credits may not count them in the 128 graduation credit total for the HPER GradPact eligibility: remedial course credits (such as MATH M014), transfer credits from another college or university that do not count toward the degree requirements, and courses for which grades lower than the degree program accepts were earned (such as earning a D in a nutrition core course where a minimum grade of C— is required for nutrition science majors.)

Part II. School Responsibility: The development and implementation of a quality educational plan for entrance into careers in health, kinesiology, and recreation is the responsibility of the faculty of the School of Health, Physical Education, and Recreation.

Guarantees: The School of HPER guarantees students adequate opportunities for the completion of the degrees within 128 graduation credits.

1. School of Adjudication Office staff supervise HPER GradPact student records and work closely with department academic advisors.
2. Academic departments make courses available in a reasonable and timely manner.
3. Academic departments plan curriculum requirements that qualify graduates for careers within their major and may be accomplished with 128 graduation credits. Students in majors requiring more than 128 graduation credits (because of accrediting body standards and licensure requirements) have adjusted graduation assurance plans.
4. Academic departments make periodic reviews of the curricula to assure currency of the majors offered.
5. Academic departments prepare curriculum materials that are comprehensible to students and that are reliable (that is, not changed on an ad hoc basis).
6. All students with a HPER major are assigned an official HPER academic advisor.
7. The School of HPER Records Office staff maintain the IUCARE system for those students with School of HPER majors.

Application for a Second Undergraduate HPER Degree

A student who is interested in pursuing a second undergraduate degree in the School of HPER must complete the following steps:

1. Meet with a HPER undergraduate advisor in the department where the second degree is to be pursued in order to discuss the appropriateness of the second undergraduate degree and to review alternative ways to achieve your academic and career goals (e.g., a minor, a certificate program, or a graduate program in the academic area).
2. Take at least two courses in the academic area of the additional degree before officially making application to the second undergraduate program.
3. Complete the application for a second undergraduate degree (HPER 115). If the entrance requirements for the major have been met, the Records Office will notify the applicant in an official admission letter.

Second Undergraduate HPER Degree Regulations

1. The student must meet the school residence requirement, which states that 30 out of the last 60 credit hours must be completed at the Bloomington campus and two of the last four semesters of work must be completed at the Bloomington campus after admission to the School of HPER.
2. The second degree must be in a different department than the first degree.
3. A student pursuing a second undergraduate degree may not enroll in graduate course work unless enrolled in the last semester for both undergraduate majors.
4. If the first degree is from another college or university, the applicant must apply to Indiana University through the Office of Admissions.

Department of Applied Health Science

General Information

The department welcomes inquiries from high school students, University Division students, and upper-division students concerning admission to its programs. General inquiries will be answered by any faculty member in the department. Specific information and application materials may be obtained through the department’s undergraduate program coordinator or the undergraduate academic advisor.

Special Admission Requirements

A cumulative grade point average of 2.3 is required for majors in health-secondary teacher preparation and public health education. A cumulative grade point average of 2.5 is required for majors in human development/family studies, dietetics, and nutrition science.

Department of Kinesiology

General Information

The Department of Kinesiology offers undergraduate programs in athletic training, exercise science, sport communication, sport marketing and management, and physical education teacher education (K-12 all-grade preparation). The following programs have special admission requirements.

Athletic Training Program

The number of students admitted to the professional athletic training emphasis is limited to the number of practice spaces available. Students who want to enter the Athletic Training Program and believe that they have met entrance
requirements (see requirements under "Admission" below), or are in the process of doing so, should obtain an application form from:

Office of the Dean
School of Health, Physical Education, and Recreation
1025 East 7th Street
HPER 115
Indiana University
Bloomington, IN 47405-7109
(812) 855-1361

The completed form, together with the first semester and second semester (midterm report) grade slips, must be presented to the HPER Records Office by April 1.

Criteria for admission to the Athletic Training Program are:
1. Formal application to the program including:
   a. three letters of recommendation
   b. biographical sketch
   c. completion of athletic training application form
2. Interview with Athletic Training Admissions Committee
3. Completion of HPER H160 and HPER P280 with a grade of B or higher
4. Completion of ANAT A215 with a grade of C or higher
5. University GPA of 2.5 or higher

Based on the criteria listed above, the Athletic Training Program coordinator will notify the department chairperson by June 1 of the selection committee’s decision on a student’s application. The chairperson will forward the decision to the dean’s office by June 15, and students will be notified by July 1 as to whether they are accepted into the program.

Acceptance is based on a student’s total academic record, background, and experience as long as openings in the program exist. Students satisfying the Athletic Training Program conditions stated above are not guaranteed positions in the program.

Sport Communication Program: A minimum of 26 credit hours and a cumulative entrance grade point average of 2.5 is required for admission to the Sport Communication Program. In addition, students seeking the sport communication program emphasis must meet the entrance requirements for the School of Journalism in order to be eligible to register for advanced journalism courses.

Sport Marketing and Management Program: Admission to the Sport Marketing and Management Program is currently limited to 40 students per year. A student seeking entrance into the program is eligible for consideration under the following conditions:

1. Completion of 40 credit hours of college course work that counts toward graduation. This course work may be completed at Indiana University or at another accredited institution offering comparable course work. The applicant must be in good academic standing.
2. Successful completion of the following five prerequisite courses:
   Business A201 or A202 (P: A100)
   Business L201 (P: Sophomore standing)
   Economics E201 or E202
   HPER P211
   Mathematics M118 or A118 (or both D116-D117) or M119

For purposes of admission, the average of the grades earned in the prerequisite courses will be used to compute the GPA. For repeated courses, the highest grade will be used in the computation of the prerequisite average GPA.

3. Submission of an application by the required deadline. Undergraduates are admitted to the Sport Marketing and Management Program once each year. The application deadline for admission is December 1. Students will be notified of admission status no later than February 15. Grades for all prerequisite course work must be on the student’s University transcript by the end of fall semester. Applications are available at the School of Health, Physical Education, and Recreation, Records Office, Room 115.

4. Participation in the Sport Marketing and Management Orientation Program. After receiving an offer of admission, students are required to attend an orientation program at a time specified in the offer. Failure to attend this orientation program may cause the offer of admission to be withdrawn.

Applications are reviewed on an individual basis. Admission will be based upon the applicant’s GPA (both prerequisite course and cumulative GPA), but other factors will be considered such as trend in grades, experience in sport activities, sport related work or volunteer experience, and other relevant skills and experiences.

A maximum of 40 new students will be accepted into the Sport Marketing and Management Program each year. Admission is competitive. Generally students apply mid-sophomore year.

Physical Education Teacher Education Program: Students seeking an undergraduate degree in physical education teacher education and an All-Grade Teaching License must be admitted to both the Department of Kinesiology Physical Education Teacher Education (PETE) program and to the School of Education Teacher Education Program. Usually, students apply for admission to the PETE program during the spring semester of the freshman year and to the School of Education Teacher Education Program before the end of the sophomore year.

Students seeking admission to the PETE program in the Department of Kinesiology are eligible for consideration under the following conditions:
1. Completion of 26 hours of college course work that counts toward graduation
2. University GPA of 2.3 or higher
3. Completion of the following two prerequisite courses with a minimum grade of C in each course:
   a. HPER P140 Foundations of Physical Education
   b. HPER P141 Fundamentals of Human Movement

4. Formal application to the program, including:
   a. submission of a completed application form to the Office of the Dean by March 1 for summer and fall admission and by November 1 for spring admission
   b. current transcript including grades for P140 and P141
   c. three letters of recommendation
   d. personal interview

Admission standards for the Teacher Education Program in the School of Education are listed separately under “Admission to the Teacher Education Program.”

Department of Recreation and Park Administration

General Information: The Department of Recreation and Park Administration, in cooperation with the University Division, seeks early identification of students planning to major in recreation. Students enrolled in HPER R160 Recreation and Leisure will be given appropriate application materials. A student seeking admission to the Department of Recreation and Park Administration is eligible for consideration under the following conditions:
1. Completion of the following two courses with a minimum grade of C (2.0) or better:
   a. English W131 Elementary Composition (3 cr.)
   b. Communication and Culture C121 Public Speaking (3 cr.) or Communication and Culture C122 Interpersonal Communication (3 cr.)

2. Formal application to the program, including:
   a. application form (available in HPER 113)
   b. applicant interview with a faculty member in the department
   c. written personal philosophy statement
   d. current transcript including grades for English W131, Communication and Culture C121 or Communication and Culture C122

3. Optional Admission Criteria:
   a. Undergraduate programs in tourism management, and park and recreation management require a minimum overall GPA of 2.0 for admission.
   b. The Recreational Sport Management program and the Therapeutic Recreation program require a minimum overall GPA of 2.5 for admission.
   c. Outdoor Recreation and Resource Management requires a 2.5 GPA for admission. In addition, the student must have a minimum GPA of 2.0 for the 5 credit hours of life/physical science electives.

Admission to the Teacher Education Program

Students who want to obtain a teaching certificate must be admitted to the Teacher Education Program. Education majors should note that admission to the School of Education is separate from admission to the Physical Education Teacher Education Program. The standards listed below must be met before the student may enroll in advanced professional education courses.

Admission to Senior High/Junior High/Middle School, All-Grade, or Special Education Programs: Students seeking admission to the senior high/junior high/middle school, all-grade, or special education programs must meet the standards described below:
1. Admission application
2. Minimum overall GPA of 2.5
3. Minimum grade of C in the course designated for oral expression and in courses designated for written expression. (ENG W103, ENG W203, ENG W301, and ENG W350).

NOTE: The speech requirement may not be met by correspondence.

3ENG L141, ENG L142, AFRO A141, and AFRO A142 are each 4 credit hour courses. Three credit hours of each course will count as literature and 1 credit hour of each will count as composition. A141 or A142 may be substituted for L141 and L142.
Course Load
A student is expected to carry from 12 to 16 credit hours of academic work a semester. Permission to carry fewer than 12 credits may be obtained only in special cases from the dean of the School of Health, Physical Education, and Recreation. A student who has an average of at least 3 credit points for each hour taken in the semester immediately preceding may receive permission from the dean to carry more than 18 credit hours. The maximum number of credit hours to be carried by a student is 19.

Advising
Because the advisor–student relationship is so beneficial to the student’s academic progress, HPER students are required to meet regularly with their advisors for ongoing assistance in academic and career planning.

Program Requirements/Tab Sheets
In the School of Health, Physical Education, and Recreation, the requirements for each degree program are outlined on a tab sheet, available in HPER 115. The tab sheet for each academic program specifies such requirements as total credit hours needed for completion of the degree, courses to be taken, required electives, and other information. These tab sheets are used by students and their academic advisors to guide the selection of courses and monitor progress. Adhering to the requirements on the tab sheet is the student’s responsibility. The program requirements in this bulletin are listed in the same order as found on the tab sheets. Tab sheets are used in conjunction with a Registration Approval Form. Students meet with academic advisors to identify the courses in which they will enroll, and then submit the completed registration approval form to the Records Office in HPER 115 to receive the registration ticket. (Additional registration information is available in the Schedule of Classes.)

Elective Courses
Elective courses are identified on the tab sheets. All programs provide elective courses to allow flexibility in the student’s academic preparation. Students should consult with their academic advisors before choosing elective courses. There are two types of elective courses: specialized electives, chosen from a prescribed list, and free electives, chosen from the entire list of university offerings. Free electives allow students to enroll in any course, except as indicated below in “Restrictions.” These free elective credit hours may count toward the total credit hours required for the degree and may be taken under the Pass/Fail option. Students may wish to take free electives for personal enrichment.

Restrictions
No EDUC “F” courses and no COAS “J” courses, with the exception of COAS J113, may be used to satisfy the general-education requirements. Credit earned in courses below the 100 level may not be applied toward a degree. A maximum of 3 credit hours in EDUC M135 Self-Instruction in Art may be counted toward a degree.

Incomplete
The grade I is given only under circumstances beyond the student’s control that prohibit completion of the course on time, and when the work of the course is substantially completed and of passing quality. When an Incomplete 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 Incomplete and adequate guidance for its removal, with a suggested final grade in the event of the departure or extended absence of the instructor from the campus. To receive notification of a removal of Incomplete, contact the instructor. A student must remove the Incomplete within one calendar year from the date of its recording. The dean, however, authorizes adjustment of this period in exceptional circumstances. If the student fails to remove the Incomplete within the time allowed, the dean will instruct the Registrar to change the grade to F. Both the student and the instructor will be notified of this change in grade.

If an instructor requests that the student complete the course in order to have an Incomplete removed, it is not necessary to re-register for the course. Once a student has graduated, an Incomplete may remain on the official record. In research and reading courses, the work of the course is not necessarily required at the end of the semester. If work is incomplete, an R (deferred) grade may be assigned.

Residence
A minimum of 30 of the last 60 credit hours of university work must be completed in residence on the Bloomington campus.

Pass/Fail Option
A student may enroll in one course per semester under the Pass/Fail option. Only free electives may be taken Pass/Fail, unless otherwise stipulated by the specific degree requirements. It is the responsibility of the student to check the major or emphasis area to determine specific restrictions.

Decisions to take courses Pass/Fail must be processed with the Office of the Dean in the School of Health, Physical Education, and Recreation no later than the end of the third week of the semester or by the fifth day of the summer session. A grade of P is not counted in computing grade point averages, but a grade of F is counted. A grade of P may not be changed to any other letter grade.

Requirement Exceptions
Under extraordinary circumstances, a degree requirement exception, such as a course substitution or waiver, may be made for an admitted HPER student. The student’s HPER academic advisor must initiate a requirement exception request by completing and signing a Course Substitution Request Form. The advisor or the student must then deliver the form to the Records Office, HPER Room 115. Ultimate responsibility for delivery of the form to HPER Room 115 rests with the student. A final approval or denial decision will be made by the associate dean for academic program administration. A copy of the reviewed form with a decision will be sent to the initiating advisor for notification. The student should check with his or her advisor two to three weeks after submission about the outcome of the request.

Addition of Courses
No course may be added by undergraduate students after the first two weeks of a regular session or one week in a summer session unless the instructor of the course approves a petition that an exception be made and the request is approved by the chair of the department in which the course is offered and the dean of the school in which the student is enrolled.

Withdrawals from Courses
A grade of W (Withdrawn) is given automatically when a withdrawal occurs during a specific span of time after the final schedule adjustment period at the beginning of a regular semester or summer session. For the dates of this period consult the Schedule of Classes. Withdrawals that would reduce a student’s enrollment below 12 credit hours or interrupt progress toward satisfaction of specific area requirements will not be authorized.

Petitions for withdrawal after the periods specified above will not be authorized by the dean of a student’s school except for urgent reasons related to extended illness or equivalent distress. The desire to avoid, or any grade of P is not an acceptable reason for withdrawal from a course.

If the student withdraws with the dean’s consent, the mark in the courses shall be W if the student is passing at the time of
withdrawal and F if the student is not passing. 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.

Absences
Confirmed illness is usually the only acceptable excuse for absence from class. A student who misses a final examination and who has a passing grade up to that time is given a temporary grade of Incomplete if the instructor has reason to believe the absence was beyond the student’s control. The Office of the Dean of Students reviews excuses for absences from final examinations and notifies instructors of its decisions.

Academic Standing
Candidate for Bachelor’s Degree in Good Standing Students are considered to be candidates in good standing for an Indiana University bachelor’s degree when they have been officially admitted by the Office of Admissions, when their minimum academic grade point average is 2.0 (C) for the last semester’s work, and when their cumulative grade point average is at least 2.0 (C). Consult other sections in this bulletin on the specific program of study for additional degree standards.

Class Standing Class standing is based on the number of credit hours completed: Freshman: Fewer than 26 cr. Sophomore: 26 to 55 cr. Junior: 56 to 85 cr. Senior: 86 or more cr.

Academic Probation
Students are placed on academic probation for the semester following the one in which they failed to earn a C average. Students remain on probation as long as they maintain a C average in a given semester or if their cumulative grade point average drops below 2.0 (C).

Dismissal
Students will be dismissed from the School of Health, Physical Education, and Recreation when, in the judgment of the Scholarship and Probation Committee, they have ceased to make academic progress toward their degree. Students who fail to attain a minimum grade point average of 2.0 in any two semesters and who have a cumulative grade point average below 2.0 will be dismissed automatically. (Note that these students will have been placed on probation prior to their dismissal.) Students with two consecutive semester grade point averages below 2.0 will be carefully evaluated with the possibility of dismissal at the discretion of the Scholarship and Probation Committee.

In special cases a student who has been dismissed may petition the committee for readmission within 10 days of receiving a dismissal notification.

Academic misconduct (cheating, fabrication, plagiarism, interference, violation of course rules, or facilitating academic dishonesty) may also result in a student’s dismissal from the school. Consult the “Policy on Academic Misconduct” in the Code of Student Rights, Responsibilities, and Conduct (the policy is reproduced in the Schedule of Classes) for information about these policies and procedures.

Readmission
The School of Health, Physical Education, and Recreation is not obligated to readmit students who have been dismissed. Students who have been dismissed from the school for academic reasons are normally considered for reinstatement only after at least one regular (fall or spring) semester. To be considered for reinstatement, a student must submit a reinstatement application form, available from the Office of the Associate Dean of the School. Requests for readmission cannot be considered if the university has placed the records on hold for any reason, such as for outstanding fees. In considering a request for readmission, the committee will need to be convinced that the student now has sufficient aptitude to pursue the intended program of study. Students must also show signs of increasing maturity, increasing commitment to their education, and adequate financial resources without excessive employment.

In granting readmission, the committee may require special conditions, such as a 12 credit hour maximum enrollment per semester; regular tutoring sessions; participation in relevant professional organizations; or registration in writing, reading, and/or study skills courses.

Degree Application
A candidate for graduation must file a formal application with the school six months before the expected date of graduation. The school will not be responsible for the graduation of seniors who fail to meet this requirement.

Correspondence Study
Course work taken via correspondence may be accomplished through the Division of Extended Studies, which is part of the School of Continuing Studies. Special permission of the associate dean for academic program administration, School of HPER, is required of students registering for correspondence course work. A minimum 2.0 cumulative grade point average is required for a student to enroll in correspondence course work. Students applying for correspondence study toward degree requirements must demonstrate consistent progress toward course completion. No more than 6 credit hours of correspondence courses may be active at a time. A maximum of 30 credit hours of such courses may be counted toward a HPER degree. Courses taken by correspondence may not be used to meet the HPER residency requirement. CMCL C121 Public Speaking may not be taken by correspondence.

Graduate Credit for Undergraduates
Candidates for the Bachelor of Science degree at Indiana University who are within 5 credit hours of completing requirements for that degree, when granted specific approval, may take certain graduate courses for graduate credit during the last undergraduate semester.

Undergraduate Student Research and Travel Grant-In-Aid
Student research and publication support is viewed by the School of Health, Physical Education, and Recreation faculty as an essential component in an academic environment that encourages undergraduate and graduate students to become actively engaged in research-related activities. The program of financial support for undergraduate student research in the school is intended to provide support for inquiry (Student Research Grant-In-Aid) and the dissemination of research results (Travel Grant-In-Aid). Two competitions are held annually with deadlines of November 1 and March 1. Applications and information are available in HPER 115.

Undergraduate Student Research and Human Subjects
Indiana University requires that all research using human subjects be approved before the research begins. This satisfies a number of federal, state, and institutional regulations, and more importantly, assures protection of the rights and welfare of persons used in research. Every research proposal submitted by a student and/or a faculty member must contain documentation that clearance has been obtained for the use of human subjects. A faculty member must sponsor this research. Forms and procedures for this purpose are available in HPER 115.

General Education Course Requirements
All undergraduate students in the School of Health, Physical Education, and Recreation are required to complete credit hours in general education by selecting courses from three areas: humanities; life and physical sciences; and social and behavioral sciences. In the next pages of the bulletin, specific courses and total credit hour requirements are listed, along with other course requirements for each area of specialization. Please consult current course requirement tabulation sheets for each area of specialization. Course requirement tabulation sheets may be obtained from the Records Office, School of Health, Physical Education, and Recreation, HPER 115.

Humanities
Each of our undergraduate specializations require specific oral and written expression courses. In addition, many specializations require additional humanities elective courses. Courses to fulfill these humanities elective requirements must be taken in the following departments and schools:

Departments
Afro-American Studies
Central Eurasian Studies
Classical Studies
Communication and Culture
Comparative Literature
East Asian Languages and Literature
English
Fine Arts
Folklore
French and Italian
Germanic Studies
India Studies
Linguistics
Near Eastern Languages and Cultures
Philosophy
Religious Studies
Slavic Languages and Literatures
Spanish and Portuguese
Telecommunications
Theater and Drama

Schools
Health, Physical Education, and Recreation: HPER R160 only

Journalism
Music (no applied courses)

In addition to the departments listed above, humanities courses from other departments may be substituted at the request of an admitted HPER student’s School of Health, Physical Education, and Recreation advisor.
with the approval of the associate dean for academic program administration.

Life and Physical Sciences
Each undergraduate specialization requires courses in life and physical sciences. Some courses are specifically required, and others are elective course requirements to be chosen from the following departments:

* Life Science Departments
  * Anatomy and Physiology (School of Medical Sciences)
  * Biology
  * Physical Sciences and Mathematics
    * Astronomy
    * Chemistry
    * Computer Science
    * Geography (Physical)
    * Geology
    * Mathematics
    * Physics
  * COAS J113 Introduction to College Mathematics III
  * COAS E105 TOPICS Courses (Credit for only one topic may count in life and physical science electives.)

* HPER Life and Physical Science Courses
  * The following are the only HPER courses that will satisfy this science requirement:
    * HPER H263 Personal Health (3 cr.)
    * HPER P391 Biomechanics (3 cr.)
    * HPER P409 Basic Physiology of Exercise (3 cr.)

In addition to the departments listed above, life and physical science courses from other departments may be substituted at the request of an admitted HPER student’s School of Health, Physical Education, and Recreation advisor with the approval of the associate dean for academic program administration.

Social and Behavioral Sciences
Each of our undergraduate specializations require courses in social and behavioral sciences. Some courses are specifically required, and others are elective course requirements to be chosen from the following departments:

* Departments
  * Anthropology
  * Economics
  * Geography (Human and Regional)
  * History
  * Political Science
  * Psychology
  * Sociology
  * COAS E104 TOPICS Courses (Credit for only one topic may count in social and behavioral science electives.)

In addition to the departments listed above, social and behavioral courses from other departments may be substituted at the request of an admitted HPER student’s School of Health, Physical Education, and Recreation advisor with the approval of the associate dean for academic program administration.

General Education for the Standard License in Senior High/Junior High/Middle School, and All-Grade Education
A minimum of 40 credit hours is required and must include 9 credit hours in specified courses in oral and written expression. Course work must be included from the three areas indicated: humanities, 18-24 credit hours; life and physical sciences, 9-15 credit hours; and social and behavioral sciences, 9-15 credit hours. NOTE: In order to attain the minimum 40 credit hours in general education, the student will have to take more than the minimum number of credit hours in at least two of the three stated categories. The number of credit hours in each category is also limited by a maximum number.) The speech requirement may not be met by correspondence.

Optional Minor Opportunities
Students on the Bloomington campus who are pursuing a baccalaureate degree in the School of Health, Physical Education, and Recreation may obtain one or more optional non-teaching minors outside their major area of study. Minors available within the School of Health, Physical Education, and Recreation include:

- Dietetics
- Human Development/Family Studies
- Kinesiology
- Public Health Education
- Recreation and Park Administration

Students in the School of HPER who wish to pursue these minors must notify the School of HPER Records Office, room 115. Specific minor requirements are listed in the degree program section, which follows. Minor requirement tabulation sheets are available in the School of HPER Records Office.

School of HPER students may also earn optional minors from other Indiana University schools and departments. Students seeking the Business Minor must notify the HPER Records Office. Students seeking these minors from other schools and departments should obtain a minor form from the minor department and deliver it to the HPER Records Office. Minor forms in many departments require advisor authorization.

Students in many schools outside the School of HPER may obtain HPER minors. Interested students should check with the records office of their schools to find out if their schools will recognize HPER minors.

For students accepted into the Teacher Education program, the School of HPER offers teaching minors in Health and Safety and Kinesiology. Requirements for these minors can be found in the degree programs section, which follows, as well as in the School of Education bulletin. Requirement tabulation sheets may be obtained in the HPER Records Office. Students should see their advisors for details.

Applied Health Science Degree Programs
Certificate in Hazard Control Technology
A one-year program of study for the entry-level practitioner who is interested in becoming a safety technician or who will have safety as a collateral responsibility. No Pass/Fail allowed.

Required Health and Safety courses (18 cr.)
Choose 6 of the following:
- HPER S101 Introduction to Safety Science (3 cr.)
- HPER S151 Safety Codes and Standards (3 cr.)
- HPER S201 Introduction to Industrial Hygiene and Health (3 cr.)
- HPER S202 Fundamentals of Fire Protection (3 cr.)
- HPER S210 OSHA General Industry Standards (3 cr.)
- HPER S212 Standards for Specific Industry (3 cr.)
- HPER S230 Safety and Health Concepts in Business and Industry I (3 cr.)
- HPER S231 Safety and Health Concepts in Business and Industry II (3 cr.)
- HPER S251 Accident Investigations, Analysis, and Reporting (3 cr.)
- HPER S332 Ergonomics and Human Factors (3 cr.)
- HPER S340 Safety Management (3 cr.)
- HPER S352 Systems Safety Analysis (3 cr.)
- HPER S354 Hazardous Materials and Waste Control (3 cr.)
- HPER S415 Safety Education and Training (3 cr.)

General Education Courses (14 cr.) (as approved by advisor)
- ENGL W131 Elementary Composition I (3 cr.)
- CMCL S121 Public Speaking (3 cr.)
- CHEM C110 Elementary Chemistry I (3 cr.)
- or CHEM C125 Experimental Chemistry I (2 cr.)
- PHYS P101 Physics in the Modern World (4 cr.)
- PSY P101 Introductory Psychology I (3 cr.)
- POLS V103 Introduction to American Politics (3 cr.)

Associate of Science Degree in Hazard Control Technology
A two-year program to prepare entry-level specialists. Building on the one-year certificate program, the associate degree provides a professional background for students interested in pursuing a career in safety. It may serve as a foundation for students seeking a bachelor’s degree in safety. Required are 64 credit hours, 39 of which must be in safety and health courses and 25 of which must be in general education. See an advisor for specifics. No Pass/Fail allowed.

Specialist in Occupational Safety—Associate Degree
Required Health and Safety Courses (24 cr.)
- HPER S101 Introduction to Safety Science (3 cr.)
- HPER S151 Safety Codes and Standards (3 cr.)
- HPER S201 Introduction to Industrial Hygiene and Health (3 cr.)
- HPER S202 Fundamentals of Fire Protection (3 cr.)
- HPER S210 OSHA General Industry Standards (3 cr.)
- HPER S212 Standards for Specific Industry (3 cr.)
- HPER S230 Accident Investigations, Analysis, and Reporting (3 cr.)
- HPER S334 Hazardous Materials and Waste Control (3 cr.)

Elective Health and Safety Courses (15 cr.)
- HPER H160 First Aid and Emergency Care (3 cr.)
- HPER H263 Personal Health (3 cr.)
- HPER S317 Seminar in Safety (1-3 cr.)
- HPER S230 Safety and Health Concepts in Business and Industry I (3 cr.)
- HPER S231 Safety and Health Concepts in Business and Industry II (3 cr.)
- HPER S332 Ergonomics and Human Factors (3 cr.)
- HPER S345 Safety Program Management (3 cr.)

Hazardous Materials and Waste Control (3 cr.)

Humanities (9 cr.)
- ENGL W131 Elementary Composition I (3 cr.)
- ENGL W231 Professional Writing Skills (3 cr.)
- CMCL S121 Public Speaking (3 cr.)
- CHEM C121 Elementary Chemistry I (2 cr.)
Life and Physical Sciences
Select 10 credit hours from the following:
PHYS P101 Physics in the Modern World (4 cr.)
PHYS P201 General Physics I (5 cr.)
CHEM C101 Elementary Chemistry I (3 cr.) or CHEM C115 Principles of Chemistry I (3 cr.)
and CHEM C121 Elementary Chemistry Lab (1 cr.)
or CHEM C125 Experimental Chemistry I (2 cr.)
CHEM C102 Elementary Chemistry II (3 cr.) or CHEM C106 Principles of Chemistry II (3 cr.)
and CHEM C122 Elementary Chemistry Lab II (2 cr.)
or CHEM C126 Experimental Chemistry II (2 cr.)
ANAT A215 Basic Human Anatomy (5 cr.)

Social and Behavioral Sciences (6 cr.)
PSY P101 Introduction to Psychology (3 cr.)
Social and Behavioral Science elective (3 cr.)

Bachelor of Science Degree Programs
The Bachelor of Science in Applied Health Science is a four-year degree program that has six areas of emphasis: health education—secondary teacher preparation, public health education, occupational safety, human development/family studies, nutrition science, and dietetics. The Pass/Fail option is allowed only for free electives. Requirements for each of the six areas of emphasis follow.

Health Education—Secondary Teacher Preparation (Applied Health Science Major)
Four-year program leading to a Provisional Teaching Certificate and the degree of Bachelor of Science in Applied Health Science with an emphasis in school and college health education. A minimum of 124 credit hours is required for this program. There is a minimum 2.3 GPA requirement for admission. To graduate and to receive a teaching license, a minimum 2.5 cumulative GPA is required.

Health—Teacher Preparation Professional Health and Safety Courses (43 cr.)
A minimum grade of C– is required for each course. A minimum cumulative GPA of 2.5 is required for the licensing requirement.

Required Courses (31 cr.)
HPER F255 Human Sexuality (3 cr.)
HPER F347 Middle Childhood through Adolescence (3 cr.)

Life and Physical Science (13 cr.)
ANAT A215 Basic Human Anatomy (5 cr.)
PHSL P215 Basic Human Physiology (5 cr.)
CHEM C101 Elementary Chemistry (3 cr.) or CHEM C103 Introduction to Chemical Principles (3 cr.) or CHEM C105 Principles of Chemistry I (3 cr.)

HPER H160 First Aid and Emergency Care (3 cr.)
HPER H205 Introduction to Public and School Health (1 cr.)
HPER H263 Personal Health (3 cr.)
HPER H311 Human Diseases and Epidemiology (3 cr.)
HPER H318 Drug Use in American Society (3 cr.)
HPER H464 Organization of Health Education (3 cr.)
HPER H494 Research and Evaluative Methods in Health and Safety (3 cr.)
HPER N220 Nutrition for Health or HPER N231 Nutrition (3 cr.)

Select 12 credit hours from the following:
EDUC R503 Applications of Instructional Media and Technology (3 cr.)
HPER F258 Marriage and Family Interaction (3 cr.)
HPER F317 Topical Seminar (3 cr.)
HPER H163 Current Health Topics (3 cr.)
HPER H172 International Health and Social Issues (3 cr.)
HPER H174 Prevention of Violence in American Society (3 cr.)
HPER H180 Stress Prevention and Management (3 cr.)
HPER H220 Death and Dying (3 cr.)
HPER H305 Women’s Health (3 cr.)
HPER H310 Health Care in Minority Communities (3 cr.)
HPER H315 Consumer Health (3 cr.)
HPER H317 Topical Seminar in Health Studies (3 cr.)
HPER H320 The Nature of Cancer (3 cr.)
HPER H324 Gerontology: Multidisciplinary Perspectives (3 cr.)
HPER H326 AIDS and Other Sexually Transmitted Diseases (3 cr.)
HPER H327 Practicum in College Death Education (2 cr.)
HPER H333 Prevention of Cardiovascular Disease (3 cr.)
HPER H340 Practicum in College Sex Education (3 cr.)
HPER H418 The Nature of Addictive Disorders (3 cr.)
HPER H445 Travel Study (3 cr.)
HPER H460 Practicum in First Aid Instruction (3 cr.)
HPER S350 School and Community Safety (3 cr.)

Life and Physical Science (13 cr.)

Humanities (18 cr.)
Oral and Written Expression (9 cr.)
A minimum grade of C is required for each course.
ENG W131 Elementary Composition I (3 cr.) or ENG W170 Projects in Reading and Writing (3 cr.)
CMCL C121 Public Speaking (3 cr.)
(no correspondence for speech)

Courses to complete the 9 credit hour requirement (minimum grade of C):
ENG W103 Introductory Creative Writing (3 cr.) or ENG W231 Professional Writing Skills (3 cr.) or ENG W143 Interdisciplinary Study of Expository Writing (1 cr.)
(taken with CMLT C145 Major Themes in Literature (3 cr.), C146 Major Themes in Literature (3 cr.) or CMCL C122 Interpersonal Communication (3 cr.)

Health electives (9 cr.)
Must have two departments represented. See advisor.

Social and Behavioral Sciences (9 cr.)
Distribution of 9 credit hours to be selected from at least three of the following departments: Anthropology, Economics, Human Geography, History, Political Science, Psychology, and Sociology.

Professional Education Courses (Secondary—minimum 34 cr.)
A minimum GPA of 2.5 and not less than a C in each course.
EDUC W200 Microcomputers in Education (3 cr.)
EDUC P255 Educational Psychology (3 cr.)
EDUC M201 Laboratory—Field Experience (0 cr.)
EDUC M300 Teaching in Pluralistic Society (3 cr.)
EDUC M314 General Methods for Secondary Education (3 cr.)
EDUC M303 Laboratory—Field Experience (0 cr.)
EDUC H340 Education and American Culture (3 cr.)
EDUC M458 Methods of Teaching Health and Safety (3 cr.)
EDUC M403 Laboratory—Field Experience (0 cr.)
EDUC M464 Methods of Teaching Reading (3 cr.)
EDUC M480 Student Teaching (10-16 cr.)

MINOR AREA (Recommended. 24 credit hours
See advisor for recommended electives. The Pass/Fail option is allowed unless the credit is used toward the minor.

Suggested Teacher Preparation Courses for Freshman Year
HPER H160 First Aid and Emergency Care (3 cr.)
HPER H263 Personal Health (3 cr.)
CHEM C101 Elementary Chemistry (3 cr.) or C105 Principles of Chemistry (3 cr.)
EDUC W200 Microcomputers in Education (3 cr.)
ENG W131 Elementary Composition (3 cr.) or W170 Projects in Reading and Writing (3 cr.)
PSY P101 Introductory Psychology I (3 cr.)
SOC S100 Introduction to Sociology (3 cr.)
CMCL C121 Public Speaking (3 cr.)
Humanities Elective (3 cr.)
Free Elective (3 cr.)

Public Health Education (Applied Health Science Major)
Four-year program leading to the degree Bachelor of Science in Applied Health Science with emphasis in public health education. A minimum of 124 credit hours is required for this program. A cumulative grade point average of 2.3 is required for admission to this area.

Professional Health and Related Content Courses (59 cr.)
A minimum grade of C– is required in each course.

Required courses (32 cr.)
HPER C366 Health Problems in the Community (3 cr.)
HPER C403 Techniques of Public Health Education (3 cr.)
HPER C444 Field Experience in Public Health Education (4 cr.)
HPER H205 Introduction to Public and School Health (1 cr.)
HPER H263 Personal Health (3 cr.)
HPER H311 Human Disease and Epidemiology (3 cr.)
HPER H391 Introduction to Health Statistics (3 cr.)
HPER H464 Coordination of School Health Promotion (3 cr.)
HPER H494 Research and Evaluative Methods in Health and Safety (3 cr.)
EDUC F401 Applications of Multimedia (3 cr.)
SPEA H316 Environmental Health (3 cr.)

Select 27 credit hours from the following related content courses:
HPER F150 Introduction to Life-Span Human Development (3 cr.)
HPER F255 Human Sexuality (3 cr.)
HPER F258 Marriage and Family Interaction (3 cr.)
HPER F107 Topical Seminar in Human Development/Family Studies (3 cr.) or HPER F341 Effects of Divorce on Children (3 cr.) or HPER F345 Parent/Child Relations (3 cr.) or HPER F355 Leading Family Process Discussion Groups (3 cr.)

HPER H160 First Aid (3 cr.)
HPER H163 Health Topics (3 cr.)
HPER H172 International Health and Social Issues (3 cr.)
HPER H174 Prevention of Violence in American Society (3 cr.)
HPER H180 Stress Prevention and Management (3 cr.)
HPER H220 Death and Dying (3 cr.)
HPER H305 Women's Health (3 cr.)
HPER H315 Consumer Health (3 cr.)
HPER H318 Drug Use in American Society (3 cr.)
HPER S350 School and Community Safety (3 cr.)
HPER F317 Topical Seminar in Human Development/Family Studies (3 cr.)
HPER H333 Prevention of Cardiovascular Disease (3 cr.)
HPER H418 The Nature of Addictive Disorders (3 cr.)
HPER H445 Travel Study (3 cr.)
HPER H460 Practicum in First Aid Instruction (3 cr.)
HPER N220 Nutrition for Health (3 cr.) or N231 Human Nutrition (3 cr.)
HPER S350 School and Community Safety (3 cr.)

Life and Physical Science (27 cr.)
ANAT A215 Basic Human Anatomy (5 cr.) or HPER H461 Basic Human Anatomy (5 cr.)
PHSL P215 Basic Human Physiology (5 cr.)
BIOL L100 Humans and the Biological World (5 cr.)
BIOL M200 Microorganisms in Nature and Disease (3 cr.)
CHEM C101 Elementary Chemistry I or C103 Introduction to Chemical Principles or C105 Principles of Chemistry I or CHEM C105 Principles of Chemistry (3 cr.) or Equivalent MATH M118 Finite Mathematics or MATH M119 Brief Survey of Calculus (5 cr.)
MATH 1101/1110 Introduction to Mathematics (3 cr.)
PHYS P101 Introductory Physics I (3 cr.)
PSY P101 Introductory Psychology I (3 cr.)
PSY P102 Introductory Psychology II (3 cr.)
CMCL C123 Interpersonal Communication (3 cr.)
SOCI S101 Social Problems and Politics (3 cr.)
Computer Literacy: CSC 110 Introduction to Computers and Computing (3 cr.), BUS 201 The Computer in Business (3 cr.), HPER P200 Microcomputer Applications in Physical Education (3 cr.), HPER R237 Computers in Recreation, and Tourism Management (3 cr.), EDUC W200 Computers for Education: An Introduction (3 cr.)

OCCUPATIONAL SAFETY (4 credits)

Suggested Public Health Education Courses for the Freshman Year
HPER H160 First Aid and Emergency Care (3 cr.)
PHSL P215 Basic Human Anatomy (3 cr.) or HPER H461 Basic Human Anatomy (3 cr.)
PHYS P101 Introductory Physics I (3 cr.) or BUS W200 Computers for Education: An Introduction (3 cr.)

OCCUPATIONAL SAFETY (4 credits)

Suggested Public Health Education Courses for the Freshman Year
HPER H160 First Aid and Emergency Care (3 cr.)
PHSL P215 Basic Human Anatomy (3 cr.) or HPER H461 Basic Human Anatomy (3 cr.)
PHYS P101 Introductory Physics I (3 cr.) or BUS W200 Computers for Education: An Introduction (3 cr.)

OCCUPATIONAL SAFETY (4 credits)
There is a minimum 2.5 cumulative GPA entrance requirement.

Professional Core Courses (48 cr.)

A minimum grade of C– is required in each course.

- HPER F457 Stress in the Family (3 cr.)
- CHEM C100 The World as Chemistry (3 cr.)
- HPER N220 Nutrition for Health (3 cr.)

A minimum grade of C– is required in each course.

- MATH/PSY K300 Statistical Techniques (3 cr.)
- HPER F258 Marriage and Family Interaction (3 cr.)
- HPER H494 Research and Evaluative Context (3 cr.)
- HPER F150 Introduction to Life Span Human Development (3 cr.)

Professional Core Courses (48 cr.)

- CHEM C101 Elementary Chemistry I (3 cr.)
- HPER N231 Human Nutrition (3 cr.)
- HPER F317 Topical Seminar in Human Development/Family Studies (3 cr.)
- HPER F454 Conceptual Frameworks in Human Development/Family Studies (3 cr.)
- HPER F460 Grief in a Family (3 cr.)
- HPER F258 Marriage and Family Interaction (3 cr.)
- HPER N220 Nutrition for Health (3 cr.)
- MATH M118/A118 Finite Mathematics (3 cr.) or MATH M119 Brief Survey of Calculus I (3 cr.) or MATH D116 and D117 Introduction to Finite Math I and II (4 cr.)
- Life and Physical Science elective (3 cr.)

Social and Behavioral Sciences (21 cr.)

- PSY P101 Introductory Psychology I (3 cr.)
- PSY P102 Introductory Psychology II (3 cr.)
- PSY P256 Abnormal Psychology (3 cr.)
- SOC S100 Introduction to Sociology (3 cr.)
- SOC S101 Social Problems and Policies (3 cr.) or one from S211 Social Organization (3 cr.) or S215 Social Change (3 cr.) or S230 Society and the Individual (3 cr.)
- SOC S316 Sociology of the Family (3 cr.)
- Social and Behavior Science elective to be taken from the following departments: Anthropology, Economics, Geography (Human and Regional), History, Political Science (3 cr.)

Humanities (12 cr.)

- Oral and Written Expression (6 cr.)
- ENG W131 Elementary Composition I (3 cr.) or ENG W170 Projects in Reading and Writing (3 cr. or higher)
- CMCL C121 Public Speaking (3 cr.)

Select 3 credit hours from:

- ENG W103 Introductory Creative Writing (3 cr.)
- ENG W231 Professional Writing Skills (3 cr.)
- ENG/W143 Interdisciplinary Study of Expository Writing (1 cr.) (only offered with appropriate course)
- CMCL C122 Interpersonal Communication (3 cr.)
- Humanities elective (3 cr.)

Free Electives (7 cr.)

The Pass/Fail option is allowed. See advisor for suggested electives.

Suggested Human Development/Family Studies Courses for the Freshman Year

HPER F150 Introduction to Life Span Human Development (3 cr.)
HPER F258 Marriage and Family Interaction (3 cr.)

BIOL L104 Introductory Biology Lectures (3 cr.)

CHEM C101 The World as Chemistry (3 cr.) or CHEM C101 Elementary Chemistry I (3 cr.) or CHEM C105 Introduction to Chemical Principles (3 cr.) or CHEM C105 Principles of Chemistry I (3 cr.)

ENG/W103 Introductory Creative Writing (3 cr.)
ENG/W131 Elementary Composition I (3 cr.)
Equivalent MATH M118/A118 Finite Mathematics (3 cr.) or MATH M119 Brief Survey of Calculus (3 cr.)

PSY P101 Introductory Psychology I (3 cr.)

PSY P102 Introductory Psychology II (3 cr.)
SOC S100 Sociological Analysis of Society (3 cr.)
CMCL C121 Public Speaking (3 cr.)
Computer Literacy (HPER P200, HPER R237, BUS K201, CSCI A110, EDUC W200) (3 cr.)

Nutrition Science

(Applied Science Major)

Four-year program leading to the degree Bachelor of Science in Applied Health Science with emphasis in the area of nutrition science. There is a minimum 2.5 cumulative GPA entrance requirement.

Nutrition Core (24 cr.)

A minimum grade of C– is required in each course.

- HPER N120 Introduction to Foods (3 cr.)
- HPER N231 Human Nutrition (3 cr.)
- HPER N320 Food Chemistry (3 cr.)
- HPER N336 Community Nutrition (3 cr.)
- HPER N430 Advanced Nutrition I (3 cr.)
- HPER N431 Medical Nutrition Therapy (3 cr.)
- HPER N432 Advanced Nutrition II (3 cr.)
- HPER N440 Research in Nutrition/Diетetics (3 cr.)

Life and Physical Science Core (43-44 cr.)

A minimum grade of C– is required in each course.

Please note, CHEM C101 Elementary Chemistry I (3 cr.) and CHEM C102 Elementary Chemistry Laboratory I (2 cr.) and C102 Elementary Chemistry II (3 cr.) and C122 Elementary Chemistry Laboratory II (2 cr.) may be offered for review.

CHEM C105 Principles of Chemistry I (3 cr.)
CHEM C125 Experimental Chemistry I (2 cr.)
CHEM C126 Principles of Chemistry II (3 cr.)
CHEM C126 Experimental Chemistry II (2 cr.)
CHEM C131 Organic Chemistry Lectures I (3 cr.)
CHEM C342 Organic Chemistry Lectures II (3 cr.)
CHEM C343 Organic Chemistry Laboratory I (2 cr.)
ANAT P215 Basic Human Anatomy (5 cr.)
PHSL P215 Basic Human Physiology (5 cr.)
BIOL L330 Biology of the Cell (3 cr.)
MATH M119 Brief Survey of Calculus I (3 cr.) or MATH M211 Calculus I (4 cr.)
MATH/PSY K300 or K310 Statistical Techniques (3 cr.)

Computer Literacy: CSCI A110 Introduction to Computers and Computing (3 cr.) or BUS K201 The Computer in Business (3 cr.) or EDUC W200 Computers for Education: An Introduction (3 cr.) Students in pre-health professions must take CSCI A110.

Students must choose one of the following four courses:

- BIOL Z466 Endocrinology (3 cr.)
- BIOL L211 Molecular Biology (3 cr.)
- CHEM C485 Biological Chemistry I (3 cr.)
- BIOL L321 Immunology (3 cr.)

Social and Behavioral Science Core (12 cr.)

SOC S100 Introduction to Sociology (3 cr.)
ECON E201 Introduction to Microeconomics (3 cr.)
PSY P101 Introduction to Psychology I (3 cr.)
Social and Behavioral Science elective (3 cr.)

Choose a course from the approved distribution courses for Social and Behavioral Science in the COAS Bulletin. Freshman seminars listed do NOT count.

Humanities Core (11 cr.)

- ENG W131 Elementary Composition I (3 cr.) or ENG W170 Projects in Reading and Writing (3 cr.)
- ENG W231 Professional Writing Skills (3 cr.)
- JOUR C327 Writing for Publication (3 cr.)
- CMCL C121 Public Speaking (3 cr.) or CMCL C122 Interpersonal Communication (3 cr.)
- CMCL C223 Business and Professional Communication (3 cr.)
- CLAS C209 Medical Terms from Greek and Latin (2 cr.)

Specialization Courses (19 cr.)

Students must take 19 credits from the following.

- HPER C306 Health Problems in the Community (3 cr.)
- HPER C403 Techniques of Public Health Education (3 cr.)
- HPER F105 Introduction to Life Span Human Development (3 cr.)
- HPER N235 Food Chemistry Laboratory (2 cr.)
- HPER W236 Life Cycle Nutrition (3 cr.)

BIOL L111 Introduction to Biology: Evolution and Diversity (3 cr.)
BIOL L112 Introduction to Biology: Biological Mechanisms (3 cr.) (may not substitute BIOL L100 Humans and the Biological World, BIOL L104 Introductory Biology Lectures, E112 Basic Biology by Examination, or Q201 Biological Science for Elementary Teachers)

- BIOL L113 Biology Laboratory (3 cr.)
- BIOL M200 Microorganisms in Nature and Disease (3 cr.)

- BIOL M215 Microorganisms Laboratory (1 cr.)

Recommended Electives (15 cr.)

Students need additional credits to fulfill the 124 total credit hour requirement. The Pass/Fail option is allowed for up to 6 credit hours except for those noted. Pre-health professional (medical/dental) students MAY NOT TAKE any of their 90 total required credit hours in the College of Arts and Sciences on a Pass/Fail basis. The free electives below are suggested, not required.

Pre-health professional students must take all elective credit hours from the College of Arts and Sciences. Up to 4 credit hours of HPER “E” classes may count toward the 124 credit hour total.
HPER H263 Personal Health (3 cr.)
HPER H494 Research and Evaluative Methods in Health and Safety (3 cr.)
HPER N433 Medical Nutrition Therapy Application (no Pass/Fail option unless approved) (2 cr.)
HPER N441 Readings in Nutrition/Dietetics (no Pass/Fail option unless approved) (1-3 cr.)
BIOL L311 Genetics (3 cr.)
BIOL L302 Topics in Human Biology (3 cr.)
PSY P102 Introductory Psychology II (3 cr.)
PSY P211 Methods of Experimental Psychology (3 cr.)
PSY P325 Psychology of Learning (3 cr.)
PSY P327 Psychology of Motivation (3 cr.)
PSY P335 Cognitive Psychology (3 cr.)

Suggested Nutrition Science Courses for the Freshman Year
HPER N120 Introduction to Foods (3 cr.)
HPER N231 Human Nutrition (3 cr.)
CHEM C105 Principles of Chemistry (3 cr.)
CHEM C106 Quantitative Chemistry (3 cr.)
CHEM C125 Experimental Chemistry I (2 cr.)
CHEM C126 Experimental Chemistry II (2 cr.)
CLAS C209 Medical Terms from Greek and Latin (2 cr.)
ENG W131 English Composition (3 cr.)
MATH M119 Brief Survey of Calculus I (3 cr.) or M211 Calculus I (4 cr.)
PSY P101 Introductory Psychology I (3 cr.)
Computer Literacy (HPER P200, HPER R237, BUS K201, CSCI A110, EDUC W200) (3 cr.)

Dietetics
(Applied Health Science Major)

Four-year program leading to the degree Bachelor of Science in Applied Health Science with an emphasis in dietetics. A minimum of 124 credit hours is required for this program. There is a minimum 2.5 cumulative grade point average entrance requirement. The dietetic program is currently granted Didactic Program in Dietetics (DPD) approval by the American Dietetic Association Council on Education Division of Education Accreditation/Approval, a special accrediting body recognized by the Council on Postsecondary Accreditation and the U.S. Department of Education.

Professional Core Courses (71 cr.)
A minimum grade of C– is required in each course.
HPER N120 Introduction to Foods (3 cr.)
HPER N231 Human Nutrition (3 cr.)
HPER N320 Food Chemistry (3 cr.)
HPER N321 Quantity Food Purchasing and Production (see advisor for scheduling) (4 cr.)
HPER N322 Food Service Systems (2 cr.) [odd years]
HPER N325 Food Chemistry Laboratory (2 cr.)
HPER N331 Life Cycle Nutrition (3 cr.)
HPER N336 Community Nutrition (3 cr.)
HPER N430 Advanced Nutrition I (3 cr.)
HPER N431 Medical Nutrition Therapy (3 cr.)
HPER N433 Medical Nutrition Therapy Application (2 cr.)
HPER N432 Advanced Nutrition II (3 cr.)
HPER N441 Readings: Issues in Nutrition/Dietetics (1-3 cr.)
ANAT A215 Basic Human Anatomy (5 cr.)
PHSL P215 Basic Human Physiology (5 cr.)
BIOL L330 Biology of the Cell (3 cr.)
BIOL M200 Microorganisms in Nature and Disease (3 cr.)
Computor Literacy: CSCI A110 Introduction to Computer and Computing (3 cr.), BUS K201 The Computer in Business (3 cr.), HPER P200 Microcomputer Applications in Physical Education (3 cr.), HPER R237 Computers in Park, Recreation, and Tourism Management (3 cr.), EDUC W200 Computers for Education: An Introduction (3 cr.)
CLAS C209 Medical Terms from Greek and Latin (2 cr.)
SPEA V373 Personnel Management (or V366) (3 cr.)
HPER H494 Research and Evaluative Methods in Health and Safety (3 cr.)
HPER C416 Introduction to Health Counseling (3 cr.)
Science Group: must choose two of the following (total 6 cr.):
HPER P409 Basic Physiology of Exercise (3 cr.)
BIOL L112 Biological Mechanisms (may not substitute L100, L104, EI12, Q201) (3 cr.)
BIOL L211 Molecular Biology (3 cr.)
BIOL C486 Endocrinology (3 cr.)
CHEM C483 Biological Chemistry (3 cr.)

Life and Physical Science (19 cr.)
A minimum grade of C– is required in each course. Please note, CHEM C101 and C121 may be needed for review based upon background.
CHEM C105 Principles of Chemistry I (5 cr.)
CHEM C125 Experimental Chemistry I (2 cr.)
CHEM C106 Principles of Chemistry II (3 cr.)
CHEM C126 Experimental Chemistry II (2 cr.)
CHEM C341 Organic Chemistry Lectures I (3 cr.)
MATH M118/A118 Finite Mathematics (3 cr.) or M119 Brief Survey of Calculus I (3 cr.) or Math D116 and D117 Introduction to Finite Math I & II (4 cr.)
MATH/PSY K300 Statistical Techniques (3 cr.)
Social and Behavioral Science (15 cr)
SOSC S100 Introduction to Sociology (3 cr.)
ECON E201 Introduction to Microeconomics (3 cr.)
PSY P101 Introductory Psychology I (3 cr.)
Plus Option 1:
PSY P102 Introductory Psychology II (3 cr.)
PSY P325 Psychology of Learning (P330) (3 cr.)
or Option 2:
EDUC P254 or EDUC P255 Educational Psychology (3 cr.)
Elective choice (must be a Social and Behavioral course) (3 cr.)

Humanities (9 cr.)
ENG W131 Elementary Composition I (3 cr.) or ENG W170 Projects in Reading and Writing (a minimum grade of C–) (3 cr.)
ENG W231 Professional Writing Skills (3 cr.)
CMCL C121 Public Speaking (3 cr.)
or CMCL C223 Business and Professional Speaking (3 cr.)

Free Electives (10 cr.)
The Pass/Fail option is allowed, except for the following elective options:
HPER C366 Health Problems in the Community (3 cr.)
HPER C403 Techniques of Public Health Education (3 cr.)
HPER H263 Personal Health (3 cr.)
HPER N440 Research in Nutrition/Dietetics (1-3 cr.)
HPER N444 Field Experience in Nutrition/Dietetics (1-3 cr.)

Suggested Dietetics Courses for the Freshman Year
HPER N120 Introduction to Foods (3 cr.)
CHEM C105 Principles of Chemistry (3 cr.)
CHEM C106 Quantitative Chemistry (3 cr.)
CHEM C125 Experimental Chemistry I (2 cr.)
CHEM C126 Experimental Chemistry II (2 cr.)
CLAS C209 Medical Terminology (2 cr.)
ENG W131 English Composition (3 cr.)
ENGL W200 English Composition (3 cr.)
CLAS C209 Medical Terminology (2 cr.)

Applied Science Programs
Health Education—Teaching Minor (25 cr.)
The following courses are required to meet teaching certification in health and safety:

Required courses (19 cr.)
HPER F255 Human Sexuality (3 cr.)
HPER H160 First Aid and Emergency Care (5 cr.)
HPER H205 Introduction to Public and School Health (1 cr.)
HPER H263 Personal Health (3 cr.)
HPER F318 Drug Use in American Society (3 cr.)
HPER H464 Organization of Health Education (3 cr.)
EDUC M458 Methods of Teaching Health and Safety (3 cr.)
EDUC M403 Laboratory Field Experience—Health and Safety (corequisite with M458) (0 cr.)

Select two of the following (6 cr.):
HPER P258 Marriage and Family Interaction (3 cr.)
HPER F317 Topic Seminar in Human Development/Family Studies (3 cr.)
HPER F345 Parent-Child Relations (3 cr.)
HPER F347 Middle Childhood through Adolescence (3 cr.)
HPER H163 Topics in Health (3 cr.)
HPER H172 International Health and Social Issues (3 cr.)
HPER H174 Prevention of Violence in American Society (3 cr.)
HPER H180 Stress Prevention and Management (3 cr.)
HPER H220 Death and Dying (3 cr.)
HPER H310 Health Care in Minority Communities (3 cr.)
HPER H317 Topic Seminar in Health Studies (3 cr.)
HPER H320 The Nature of Cancer (3 cr.)
HPER H324 Gerontology: Multidisciplinary Perspectives (3 cr.)
HPER H326 AIDS and Other Sexually Transmitted Diseases (3 cr.)
HPER H327 Practicum in College Health Education (3 cr.)
HPER H333 Prevention of Cardiovascular Disease (3 cr.)
HPER H340 Practicum in College Sex Education (3 cr.)
HPER N220 Nutrition for Health or HPER N231 Human Nutrition (3 cr.)
HPER S350 School and Community Safety (3 cr.)

Dietetics/Nutrition Science (15 cr.)
Required (6 cr.)
HPER N120 Introduction to Foods (3 cr.)
HPER N220 Nutrition for Health or HPER N231 Human Nutrition (3 cr.)
Select 3 of the following 5 courses (9 cr.):
HPER N320 Food Chemistry (3 cr.)
HPER N311 Life Cycle Nutrition (3 cr.)
HPER N336 Community Nutrition (3 cr.)
HPER N430 Advanced Nutrition I (3 cr.)
HPER N431 Medical Nutrition Therapy (3 cr.)

Human Development/Family Studies (15 cr.)
A minimum grade of C– is required in each course; no Pass/Fail option is allowed.
Required (9 cr.)
HPER F150 Introduction to Life Span Development (3 cr.)
HPER F255 Human Sexuality (3 cr.)
HPER F258 Marriage and Family Interaction (3 cr.)

Elective courses: select two courses (6 cr.)

HPER F317 Topical Seminar in Human Development/Family Studies (3 cr.) or 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 F453 Family Life Education (3 cr.)

HPER F454 Conceptual Frameworks in Human Development/Family Studies (3 cr.)

HPER F457 Stress in the Family (3 cr.)

HPER F459 Family Law and Policy (3 cr.)

HPER F601 Grief in a Family Context (3 cr.)

Public Health Education Minor (16 credit hours)

A minimum grade of C– is required in each course.

Required (9 cr.)

HPER C366 Health Problems in the Public Health Education Minor (16 credit hours)

A minimum grade of C– is required in each course.

Required (9 cr.)

HPER C366 Health Problems in the Community (3 cr.)

HPER C403 Techniques of Public Health Education (3 cr.)

HPER H205 Introduction to Public and School Health (1 cr.)

Choose one:

HPER H311 Human Diseases and Epidemiology (3 cr.) or HPER H263 Personal Health (3 cr.)

Select two of the following electives (6 cr.):

HPER H317 Topical Seminar in Health Education (3 cr.) or HPER H323 Prevention of Drug Use in American Society (3 cr.)

HPER H318 Drug Use in American Society (3 cr.)

HPER H320 The Nature of Cancer (3 cr.)

HPER H391 Introduction to Health Statistics (3 cr.)

HPER H418 The Nature of Addictive Disorders (3 cr.)

HPER H445 Travel Study (3 cr.)

HPER H464 Organization of Health Education (3 cr.)

HPER H494 Research and Evaluative Methods in Health and Safety (3 cr.)

HPER N220 Nutrition for Health (3 cr.) or N231 Human Nutrition (3 cr.)

HPER N311 Life Cycle Nutrition (3 cr.)

HPER N336 Community Nutrition (3 cr.)

HPER P010 Introduction to Safety Science (3 cr.)

Kinesiology Degree Programs

Students may obtain a Bachelor of Science in Kinesiology degree by completing programs in athletic training, exercise science, sport communication, or sport marketing and management. These programs do not lead to teacher certification.

Teacher Certification Programs

Students may obtain a Bachelor of Science in Kinesiology degree with physical education teaching certification for K-12 all-grades. (See the School of Education Undergraduate Program Bulletin for required courses in the area of professional education.)

Bachelor of Science in Kinesiology with Teacher Preparation

All-Grade Teaching License

The All-Grade Teaching License Program allows a student to obtain a Bachelor of Science in Kinesiology degree with license to teach grades K-12. Students are encouraged to pursue a minor teaching area. Admission is limited. For admission requirements, see the “Admission” section in the front of this bulletin.

Course Requirements for the All-Grade License Program

Required Core

Physical Education Core (49 cr.)

HPER P140 Foundations of Physical Education (3 cr.)

HPER P141 Foundations of Human Movement (2 cr.)

HPER P200 Microcomputer Application in Physical Education (3 cr.)

HPER P205 Structural Kinesiology (3 cr.)

HPER P216 Concepts of Physical Fitness (3 cr.)

HPER P222 Teaching of Developmental Disabilities (2 cr.) or HPER P223 Teaching Stunts, Tumbling and Apparatus (2 cr.)

HPER P224 Teaching Dance Activities (2 cr.)

HPER P290 Athletic Training and Emergency Care (2 cr.)

HPER P316 Theories of Advanced Conditioning (2 cr.)

HPER P391 Biomechanics (3 cr.)

HPER P398 Adapted Physical Education (3 cr.)

HPER P490 Motor Development and Learning (3 cr.)

Seven credit hours of HPER electives prefix A, P, D, or K (or minor course work)

Must be admitted to the PETE program to take the following:

HPER P203 Teaching Practicum in Physical Education (1 cr.)

HPER P214 Basic Methods Teaching Physical Education (3 cr.)

HPER P213 Tools of Learning (1 cr.)

HPER P325 Teaching Individual Dual Activities (2 cr.)

HPER P329 Teaching Team Activities (2 cr.)

HPER P414 Professional Seminar in Physical Education (2 cr.)

Professional Education Requirements (31 cr.)

EDUC M201 Laboratory Field Experience (2 cr.)

EDUC M300 Teaching in a Pluralistic Society (3 cr.)

EDUC P254 Educational Psychology All-Grade (3 cr.)

Student must pass PPST Test and be admitted to the Teacher Education Program.

EDUC H340 Education and American Culture (3 cr.)

EDUC M303 Field Experience (1 cr.)

EDUC M314 General Methods (3 cr.)

EDUC M403 Laboratory Field Experience (0 cr.)

EDUC M456 Methods of Teaching Physical Education (3 cr.)

EDUC M464 Methods of Teaching Reading (3 cr.)

EDUC M482 Student Teaching (10 cr.)

General Education Requirements (41 cr.)

Written Expression—2 credit hours minimum

AFRO A141-A142 Introduction to Writing and American Literature (4-4 cr.)

ENG L141-L142 Introduction to Writing and the Study of Literature I-II (4-4 cr.)

ENG W131 English Composition (3 cr.) or ENG W170 Project in Reading and Writing (3 cr.)

Oral Expression

CMCL C121 Public Speaking (3 cr.)

Sufficient additional oral and written expression courses chosen from above or below to total 9 credits:

CMCL C122 Interpersonal Communication (3 cr.)

CMCL C223 Business and Professional Communication (3 cr.)

CMCL C324 Persuasion (3 cr.)

ENG W103 Introduction to Creative Writing (3 cr.)

ENG W203 Creative Writing (3 cr.)

ENG W231 Professional Writing Skills (3 cr.)

ENG W270 Argumentative Writing (3 cr.)

ENG W301 Writing Fiction (3 cr.)

ENG W350 Advanced Expository Writing (3 cr.)

JOUR J200 Writing for Mass Media (3 cr.)

Humanities (9 cr.)

Courses are to be selected from at least two of the following departments (English and Communication and Culture are considered one department):

Afro-American Studies

Central Eurasian Studies

Classical Studies

Communication and Culture

Comparative Literature

East Asian Languages and Cultures

English

Fine Arts

Folklore

French and Italian

Germanic Studies

Health, Physical Education, and Recreation—EPHE R160 only

Journalism

Linguistics

Music

Near Eastern Languages and Cultures

Philosophy

Religious Studies

Slavic Languages and Literatures

Spanish and Portuguese

Telecommunications

Theatre and Drama

Life and Physical Science (11-12 cr.)

Choose one of the following:

MATH M118 Finite Mathematics (3 cr.) or MATH M119 Brief Survey of Calculus I (3 cr.)

Required

HPER P409 Basic Physiology of Exercise (3 cr.)

PHSL P215 Basic Human Physiology (5 cr.)
Choose free electives to complete 124 credit hours. A course may be taken using the Pass/Fail option (one per semester) in the free electives only.

**Suggested Kinesiology Major Courses for the Freshman Year (Teacher Education)**

**First Semester (16 cr.)**
- HPER P140 Foundations of Physical Education (3 cr.)
- HPER P141 Foundations of Human Movement (2 cr.)
- CMCL C121 Public Speaking (3 cr.)
- Humanities Course in Written Expression (3 cr.)
- Social and Behavioral Sciences Elective (3 cr.)
- HPER P224 Teaching Dance Activities (2 cr.)

**Second Semester (17 cr.)**
- HPER P200 Microcomputers in Physical Education (3 cr.)
- HPER P216 Concepts of Physical Fitness (3 cr.)
- HPER P222 Teaching Developmental Gymnastics (2 cr.) or HPER P223 Teaching Stunts, Tumbling, and Apparatus (2 cr.)
- HPER P224 Teaching Dance Activities (2 cr.)
- HPER P280 Athletic Training Emergency Care (2 cr.)
- HPER P316 Theories of Advanced Conditioning (2 cr.)
- HPER P391 Biomechanics (3 cr.)
- HPER P409 Basic Physiology of Exercise (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.)

**The student must be admitted to the PETE program to take the following:**
- HPER P203 Teaching Practicum in Physical Education (1 cr.)
- HPER P214 Basic Methods in Teaching Physical Education (3 cr.)
- HPER P313 Tools of Learning (1 cr.)
- HPER P323 Teaching Individual Dual Activities (2 cr.)
- HPER P325 Teaching Team Activities (2 cr.)
- HPER P414 Professional Seminar in Physical Education (2 cr.)

**Athletic Training Core**
- HPER A270 Preceptorial in Athletic Training (1 cr.)
- HPER A281 Recognition and Evaluation of Athletic Injuries (3 cr.)
- HPER A282 Strapping and Bandaging Techniques in Athletic Training (2 cr.)
- HPER A283 Soft Tissue Evaluation (2 cr.)
- HPER A381 Laboratory Practice in Athletic Training I (2 cr.)
- HPER A382 Laboratory Practice in Athletic Training II (2 cr.)
- HPER A383 Principles and Techniques of Therapeutic Modalities (3 cr.)
- HPER A384 Principles and Techniques of Therapeutic Exercise (3 cr.)
- HPER A386 Emergency Management of Athletic Injuries, Illness (3 cr.)
- HPER A481 Laboratory Practice in Athletic Training III (2 cr.)
- HPER A490 Organization and Administration of Athletic Training (2 cr.)
- HPER A491 Senior Seminar in Athletic Training (1 cr.)
- HPER H160 First Aid and Emergency Care (3cr.)
- HPER H263 Personal Health (3 cr.)

**Physical Education Teacher Preparation Core**
- HPER P140 Foundations of Physical Education (3 cr.)
- HPER P141 Fundamentals of Human Movement (2 cr.)
- HPER P280 Microcomputer Applications in Physical Education (3 cr.)
- HPER P216 Concepts of Physical Fitness (3 cr.)
- HPER P222 Teaching Developmental Gymnastics (2 cr.) or HPER P223 Teaching Stunts, Tumbling, and Apparatus (2 cr.)
- HPER P224 Teaching Dance Activities (2 cr.)
- HPER P280 Athletic Training Emergency Care (2 cr.)
- HPER P316 Theories of Advanced Conditioning (2 cr.)
- HPER P391 Biomechanics (3 cr.)
- HPER P409 Basic Physiology of Exercise (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.)

**The student must be admitted to the PETE program to take the following:**
- HPER P203 Teaching Practicum in Physical Education (1 cr.)
- HPER P214 Basic Methods in Teaching Physical Education (3 cr.)
- HPER P313 Tools of Learning (1 cr.)
- HPER P323 Teaching Individual Dual Activities (2 cr.)
- HPER P325 Teaching Team Activities (2 cr.)
- HPER P414 Professional Seminar in Physical Education (2 cr.)

**Physical Education Teacher Preparation Core**
- HPER P140 Foundations of Physical Education (3 cr.)
- HPER P141 Fundamentals of Human Movement (2 cr.)
- HPER P280 Microcomputer Applications in Physical Education (3 cr.)
- HPER P216 Concepts of Physical Fitness (3 cr.)
- HPER P222 Teaching Developmental Gymnastics (2 cr.) or HPER P223 Teaching Stunts, Tumbling, and Apparatus (2 cr.)
- HPER P224 Teaching Dance Activities (2 cr.)
- HPER P280 Athletic Training Emergency Care (2 cr.)
- HPER P316 Theories of Advanced Conditioning (2 cr.)
- HPER P391 Biomechanics (3 cr.)
- HPER P409 Basic Physiology of Exercise (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.)

**The student must be admitted to the PETE program to take the following:**
- HPER P203 Teaching Practicum in Physical Education (1 cr.)
- HPER P214 Basic Methods in Teaching Physical Education (3 cr.)
- HPER P313 Tools of Learning (1 cr.)
- HPER P323 Teaching Individual Dual Activities (2 cr.)
- HPER P325 Teaching Team Activities (2 cr.)
- HPER P414 Professional Seminar in Physical Education (2 cr.)

**Athletic Training Core**
- HPER A270 Preceptorial in Athletic Training (1 cr.)
- HPER A281 Recognition and Evaluation of Athletic Injuries (3 cr.)
- HPER A282 Strapping and Bandaging Techniques in Athletic Training (2 cr.)
- HPER A283 Soft Tissue Evaluation (2 cr.)
- HPER A381 Laboratory Practice in Athletic Training I (2 cr.)
- HPER A382 Laboratory Practice in Athletic Training II (2 cr.)
- HPER A383 Principles and Techniques of Therapeutic Modalities (3 cr.)
- HPER A384 Principles and Techniques of Therapeutic Exercise (3 cr.)
- HPER A386 Emergency Management of Athletic Injuries, Illness (3 cr.)
- HPER A481 Laboratory Practice in Athletic Training III (2 cr.)
- HPER A490 Organization and Administration of Athletic Training (2 cr.)
- HPER A491 Senior Seminar in Athletic Training (1 cr.)
- HPER H160 First Aid and Emergency Care (3cr.)
- HPER H263 Personal Health (3 cr.)

**HPER H317 Introduction to Health Statistics (3 cr.) or HPER R390 Statistical Applications in Leisure Studies (3 cr.)**
- HPER H317 Emergency Medical Technician Laboratory (1 cr.)
- HPER H401 Emergency Medical Technician (5 cr.)
- HPER H231 Human Nutrition (3 cr.)

**Professional Education Requirements**
- EDUC M201 Laboratory/Field Experience (2 cr.)
- EDUC M300 Teaching in a Pluralistic Society (3 cr.)
- EDUC P254 Educational Psychology All-Grade (3 cr.)

The student must pass the PPST Test and be admitted to the teacher education program.

**EDUC H150 Education and American Culture (3 cr.)**
- EDUC M303 Field Experience (1 cr.)
- EDUC M314 General Methods (3 cr.)
- EDUC M403 Laboratory/Field Experience (0 cr.)
- EDUC M456 Methods of Teaching Physical Education (3 cr.)
- EDUC M464 Methods of Teaching Reading (3 cr.)
- EDUC M482 Student Teaching All-Grade (10 cr.)

**General Education**
- **Oral and Written Expression (9 cr.)**

Written Expression—minimum of 2 credit hours
- AFRO A141-142 Introduction to Writing Black Literature (4-4 cr.)
- ENG L141-142 Introduction to Writing and the Study of Literature I-II (4-4 cr.)
- ENG W131 English Composition I (3 cr.) or ENG W170 Project in Reading and Writing (3 cr.)
- ENG W143 Expository Writing (1 cr.)

**Oral Expression**
- CMCL C121 Public Speaking (3 cr.)
- Choose additional oral and written expression courses from above or below to total 9 credits:
  - CMCL C122 Interpersonal Communication (3 cr.)
  - CMCL C223 Business and Professional Communication (3 cr.)
  - CMCL C324 Persuasion (3 cr.)
  - ENG W103 Introduction to Creative Writing (3 cr.)
  - ENG W203 Creative Writing (3 cr.)
  - ENG W231 Professional Writing Skills (3 cr.)
  - ENG W270 Argumentative Writing (3 cr.)
  - ENG W301 Writing Fiction (3 cr.)
  - ENG W330 Advanced Expository Writing (3 cr.)
  - JOUR J200 Reporting, Writing, and Editing I (3 cr.)

**Humanities (9 cr.)**
- Courses are to be selected from at least two of the following departments (English and Communication and Culture are considered one department):
  - Afro-American Studies
  - Central Eurasian Studies
  - Classical Studies
  - Communication and Culture
  - Comparative Literature
  - East Asian Languages and Cultures
  - English
  - Fine Arts
  - Folklore
  - French and Italian
  - Germanic Languages
  - Health, Physical Education, and Recreation—HPER R160 only
  - Journalism
  - Linguistics
  - Music
  - Near Eastern Languages and Cultures
  - Philosophy
  - Religious Studies
  - Slavic Languages and Literatures
  - Spanish and Portuguese
  - Telecommunications
  - Theatre and Drama

**Life and Physical Science (23-25 cr.)**
- Required
  - ANAT C101-S102 Basic Human Anatomy (5 cr.)
  - CHEM C101 Elementary Chemistry I (3 cr.)
  - CHEM C121 Elementary Chemistry Lab I (2 cr.)
  - PHSL P215 Basic Human Physiology (5 cr.)
  - PHYS P201 General Physics I (5 cr.)
- Select at least one course from the following:
  - BIOL L104 Introduction Biology Lectures (3cr.)
  - CHEM C102 Elementary Chemistry II (3 cr.) and CHEM C122 Elementary Chemistry Lab II (2 cr.)
  - MATH M119 Brief Survey of Calculus I (3 cr.) or MATH M211 Calculus I (4 cr.)
  - PHYS P202 General Physics 2 (5 cr.)

**Social and Behavioral Science (9 cr.)**
- Select at least two courses from the following departments:
  - Anthropology
  - Economics
  - History
  - Non-Physical Geography
  - Political Science
  - Sociology

**Suggested Courses for the Freshman Year (Athletic Training: Teaching Option)**

**First Semester (15 cr.)**
- HPER H160 First Aid (3 cr.)
- HPER P200 Microcomputer in Physical Education (3 cr.)
- ENG W131 Elementary Composition (3 cr.) or ENG W170 Projects in Reading and Writing (3 cr.)
### Athletic Training—Nonteaching Option

**Kinesiology Major**

Four-year program with an emphasis in athletic training leading to the degree Bachelor of Science in Kinesiology. This program meets the requirements of the National Athletic Trainer's Association. Admission to the program is limited. For admission requirements, see the “Admission” section in the front of this bulletin.

#### Required Skill/Theory Courses (70 cr.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER A270</td>
<td>Preceptorial in Athletic Training (1 cr.)</td>
</tr>
<tr>
<td>HPER A281</td>
<td>Recognition and Evaluation of Athletic Injuries (3 cr.)</td>
</tr>
<tr>
<td>HPER A282</td>
<td>Strapping and Bandaging Techniques in Athletic Training (2 cr.)</td>
</tr>
<tr>
<td>HPER A283</td>
<td>Soft Tissue Evaluation (2 cr.)</td>
</tr>
<tr>
<td>HPER A381</td>
<td>Laboratory Practice in Athletic Training I (2 cr.)</td>
</tr>
<tr>
<td>HPER A382</td>
<td>Laboratory Practice in Athletic Training II (2 cr.)</td>
</tr>
<tr>
<td>HPER A385</td>
<td>Principles and Techniques of Therapeutic Modalities (3 cr.)</td>
</tr>
<tr>
<td>HPER A384</td>
<td>Principles and Techniques of Therapeutic Exercise (3 cr.)</td>
</tr>
<tr>
<td>HPER A386</td>
<td>Emergency Management of Athletic Injuries/Illness (3 cr.)</td>
</tr>
<tr>
<td>HPER A481</td>
<td>Laboratory Practice in Athletic Training III (2 cr.)</td>
</tr>
<tr>
<td>HPER A490</td>
<td>Organization and Administration of Athletic Training (2 cr.)</td>
</tr>
<tr>
<td>HPER A491</td>
<td>Senior Seminar in Athletic Training (1 cr.)</td>
</tr>
<tr>
<td>HPER H110</td>
<td>First Aid and Emergency Care (3 cr.)</td>
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<tr>
<td>HPER H116</td>
<td>Personal Health (3 cr.)</td>
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<tr>
<td>HPER H117</td>
<td>Emergency Medical Technician Laboratory (1 cr.)</td>
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<tr>
<td>HPER H401</td>
<td>Emergency Medical Technician (3 cr.)</td>
</tr>
<tr>
<td>HPER H231</td>
<td>Human Nutrition (3 cr.)</td>
</tr>
<tr>
<td>HPER H212</td>
<td>Introduction to Exercise Science (3 cr.)</td>
</tr>
<tr>
<td>HPER H216</td>
<td>Current Concepts in Physical Fitness (3 cr.)</td>
</tr>
<tr>
<td>HPER H280</td>
<td>Principles of Athletic Training and Emergency Care (3 cr.)</td>
</tr>
<tr>
<td>HPER P316</td>
<td>Theories of Advanced Conditioning (2 cr.)</td>
</tr>
<tr>
<td>HPER P391</td>
<td>Biomechanics (3 cr.)</td>
</tr>
<tr>
<td>HPER P405</td>
<td>Introduction to Sport Psychology (3 cr.)</td>
</tr>
<tr>
<td>HPER P409</td>
<td>Basic Physiology of Exercise (3 cr.)</td>
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<tr>
<td>HPER P452</td>
<td>Motor Learning (3 cr.)</td>
</tr>
<tr>
<td>HPER P488</td>
<td>Athletic Training Assessment of Adaptation for Individuals with Physical Disabilities (3 cr.)</td>
</tr>
<tr>
<td>HPER P490</td>
<td>Motor Development of Pre-School and Elementary School Children (3 cr.)</td>
</tr>
</tbody>
</table>

#### Select one of the following courses:

- BUS K201 The Computer in Business (3 cr.)
- CSCI A110 Introduction to Computers and Computing (3 cr.)
- HPER R160 Recreation and Leisure (3 cr.)

#### General-Education Requirements (48-50 cr.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CMCL C121</td>
<td>Public Speaking (3 cr.)</td>
</tr>
<tr>
<td>CMCL C122</td>
<td>Elementary Chemistry (3 cr.)</td>
</tr>
<tr>
<td>ENG W131</td>
<td>English Composition I (3 cr.)</td>
</tr>
<tr>
<td>ENG W203</td>
<td>Creative Writing (3 cr.)</td>
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<tr>
<td>ENG W231</td>
<td>Professional Writing (3 cr.)</td>
</tr>
<tr>
<td>ENG W301</td>
<td>Writing Fiction (3 cr.)</td>
</tr>
<tr>
<td>HPER P280</td>
<td>Principles of Athletic Training and Emergency Care (2 cr.)</td>
</tr>
<tr>
<td>HPER P391</td>
<td>Biomechanics (3 cr.)</td>
</tr>
<tr>
<td>PSY K300</td>
<td>Statistical Techniques (3 cr.)</td>
</tr>
<tr>
<td>PSY P101</td>
<td>Introduction to Psychology I (3 cr.)</td>
</tr>
<tr>
<td>PSY P141</td>
<td>Fundamentals of Human Movement (2 cr.)</td>
</tr>
<tr>
<td>SOC S210</td>
<td>Social Organization (3 cr.)</td>
</tr>
<tr>
<td>SOC S500</td>
<td>Advanced Expository Writing (3 cr.)</td>
</tr>
</tbody>
</table>

#### Select one of the following:

- CMCL C121 Public Speaking (3 cr.)

### Free Electives (4-6 cr.)

Choose free electives to complete 124 credit hours from the recommended electives below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT A215</td>
<td>Basic Human Anatomy (5 cr.)</td>
</tr>
<tr>
<td>CHEM C101</td>
<td>Elementary Chemistry I (3 cr.)</td>
</tr>
<tr>
<td>CHEM C121</td>
<td>Elementary Chemistry (3 cr.)</td>
</tr>
<tr>
<td>CHEM C121</td>
<td>Elementary Chemistry Laboratory (2 cr.)</td>
</tr>
<tr>
<td>CHEM C102</td>
<td>Elementary Chemistry II (3 cr.)</td>
</tr>
<tr>
<td>CHEM C110</td>
<td>Elementary Chemistry Laboratory (2 cr.)</td>
</tr>
<tr>
<td>CMCL C122</td>
<td>Interpersonal Communications (2 cr.)</td>
</tr>
<tr>
<td>ENG L141</td>
<td>Introduction to Writing and the Study of Literature I (4 cr.)</td>
</tr>
<tr>
<td>ENG L142</td>
<td>Introduction to Writing and the Study of Literature II (4 cr.)</td>
</tr>
<tr>
<td>ENG W103</td>
<td>Introduction to Creative Writing (2 cr.)</td>
</tr>
<tr>
<td>ENG W301</td>
<td>Writing Fiction (3 cr.)</td>
</tr>
<tr>
<td>HPER R160</td>
<td>Recreation and Leisure (3 cr.)</td>
</tr>
</tbody>
</table>

### Kinesiology Requirements (38-41 cr.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER P316</td>
<td>Theories of Advanced Conditioning (2 cr.)</td>
</tr>
<tr>
<td>HPER P391</td>
<td>Biomechanics (3 cr.)</td>
</tr>
<tr>
<td>HPER P405</td>
<td>Introduction to Sport Psychology (3 cr.)</td>
</tr>
<tr>
<td>HPER P409</td>
<td>Basic Physiology of Exercise (3 cr.)</td>
</tr>
<tr>
<td>HPER P452</td>
<td>Motor Learning (3 cr.)</td>
</tr>
<tr>
<td>HPER H324</td>
<td>Gerontology: Multidisciplinary Perspectives (3 cr.)</td>
</tr>
<tr>
<td>HPER P217</td>
<td>Methods of Fitness Exercise Instruction (3 cr.)</td>
</tr>
<tr>
<td>HPER P316</td>
<td>Theories of Advanced Conditioning (2 cr.)</td>
</tr>
<tr>
<td>HPER P317</td>
<td>Strength Training (2 cr.)</td>
</tr>
<tr>
<td>HPER P400</td>
<td>Internship in Exercise Science (3 cr.)</td>
</tr>
<tr>
<td>HPER P401</td>
<td>Corporate Fitness (3 cr.)</td>
</tr>
<tr>
<td>HPER P419</td>
<td>Fitness Testing and Programming (3 cr.)</td>
</tr>
<tr>
<td>HPER P420</td>
<td>Exercise Leadership and Instruction (3 cr.)</td>
</tr>
</tbody>
</table>

### Exercise Science Emphasis

#### Kinesiology Major

The program in exercise science, a four-year curriculum in the subject matter of human movement and sport, provides the student with an understanding of current theoretical problems. Through the use of restricted electives, the student is asked to relate knowledge from other disciplines to the study of human performance.

#### Exercise Science Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT A215</td>
<td>Basic Human Anatomy (5 cr.)</td>
</tr>
<tr>
<td>CHEM C101</td>
<td>Elementary Chemistry I (3 cr.)</td>
</tr>
<tr>
<td>CHEM C121</td>
<td>Elementary Chemistry Laboratory (2 cr.)</td>
</tr>
<tr>
<td>PSY P101</td>
<td>Introduction to Psychology I (3 cr.)</td>
</tr>
<tr>
<td>SOC S210</td>
<td>Social Organization (3 cr.)</td>
</tr>
<tr>
<td>SOC S200</td>
<td>Deviant Behavior and Social Control (3 cr.)</td>
</tr>
</tbody>
</table>

#### Life and Physical Sciences (24-26 cr.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT A215</td>
<td>Basic Human Anatomy (3 cr.)</td>
</tr>
<tr>
<td>CHEM C101</td>
<td>Elementary Chemistry I (3 cr.)</td>
</tr>
<tr>
<td>CHEM C121</td>
<td>Elementary Chemistry Laboratory I (2 cr.)</td>
</tr>
<tr>
<td>HPER H110</td>
<td>First Aid and Emergency Care (3 cr.)</td>
</tr>
<tr>
<td>HPER H116</td>
<td>Personal Health (3 cr.)</td>
</tr>
<tr>
<td>HPER H117</td>
<td>Emergency Medical Technician Laboratory (1 cr.)</td>
</tr>
<tr>
<td>HPER H401</td>
<td>Emergency Medical Technician (3 cr.)</td>
</tr>
<tr>
<td>PSY P101</td>
<td>Introduction to Psychology I (3 cr.)</td>
</tr>
<tr>
<td>PHYS P215</td>
<td>Physical Human Physiology (5 cr.)</td>
</tr>
<tr>
<td>PHYS P201</td>
<td>General Physics I (5 cr.)</td>
</tr>
<tr>
<td>PHYS P212</td>
<td>Introduction to Exercise Science (3 cr.)</td>
</tr>
</tbody>
</table>

### Kinesiology Requirements (38-41 cr.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER P316</td>
<td>Theories of Advanced Conditioning (2 cr.)</td>
</tr>
<tr>
<td>HPER P391</td>
<td>Biomechanics (3 cr.)</td>
</tr>
<tr>
<td>HPER P405</td>
<td>Introduction to Sport Psychology (3 cr.)</td>
</tr>
<tr>
<td>HPER P409</td>
<td>Basic Physiology of Exercise (3 cr.)</td>
</tr>
<tr>
<td>HPER P452</td>
<td>Motor Learning (3 cr.)</td>
</tr>
<tr>
<td>HPER H324</td>
<td>Gerontology: Multidisciplinary Perspectives (3 cr.)</td>
</tr>
<tr>
<td>HPER P217</td>
<td>Methods of Fitness Exercise Instruction (3 cr.)</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS K201</td>
<td>The Computer in Business (3 cr.)</td>
</tr>
<tr>
<td>CSCI A110</td>
<td>Introduction to Computers and Computing (3 cr.)</td>
</tr>
<tr>
<td>CSCI A201</td>
<td>Introduction to Programming I (4 cr.)</td>
</tr>
<tr>
<td>CSCI A301</td>
<td>Introduction to Computer Science (4 cr.)</td>
</tr>
<tr>
<td>HPER P200</td>
<td>Microcomputer Applications in Physical Education (3 cr.)</td>
</tr>
<tr>
<td>HPER R160</td>
<td>Recreation and Leisure (3 cr.)</td>
</tr>
</tbody>
</table>

Select two credit hours from any of the following:

- HPER P223 Teaching Stunts, Tumbling, and Apparatus (2 cr.)
- HPER P224 Teaching of Dance Activities (2 cr.)

Two credit hours of a HPER “E” prefix class. (E119 does not fulfill this requirement.)

One to three credit hours of a HPER “D” prefix class.
CHEM C102 Elementary Chemistry II (3 cr.)
ENG W119 Critical Review Writing (1 cr.)
Select 9 credit hours from:
PHSL P215 Basic Human Physiology (5 cr.)
TEL T211 Writing for Electronic Media (3 cr.)
MATH M119 Brief Survey of Calculus I (3 cr.)
Select 3 credit hours from:
Social Sciences (12 cr.)
PSY P101 or PSY P151 Introduction to
Life and Physical Sciences (24-33 cr.)
PSY P102 Introduction to Psychology 2 (or PSY P121)
Select one of the following:
CHEM C105 Principles of Chemistry I (3 cr.)
MATH M120 Brief Survey of Calculus II (3 cr.)
PSY P100 or PSY P151 Introduction to
Second Semester (16 cr.)
MATH M301 Applied Linear Algebra (3 cr.)
CHEM C342 Organic Chemistry II (3 cr.)
Select two of the following:
CHEM C122 Elementary Chemistry Laboratory II (2 cr.)
Exercise Science Electives (16 cr.)
A maximum of two courses may be taken
Pass/Fail.
ANAT A464 Human Tissue Biology (5 cr.)
ANTH A303 Evolution and Prehistory (3 cr.)
ANTH B200 Bioanthropology (3 cr.)
ANTH B301 Bioanthropology Laboratory (3 cr.)
ANTH B480 Human Growth and Development (3 cr.)
BIOL L100 Humans and the Biological World
(5 cr.) or BIOL L104 Introductory Biology
Lectures (3 cr.) or BIOL L112 Introduction
to Biology: Biological Mechanisms (3 cr.)
BIOL L111 Introduction to Biology: Evolution
and Diversity (3 cr.)
BIOL L113 Biology Laboratory (3 cr.)
BIOL L211 Molecular Biology (3 cr.)
BIOL L302 Topics in Human Biology (3 cr.)
BIOL L330 Biology of the Cell (3 cr.)
BIOL L311 Genetics and Development (3 cr.)
BIOL L312 Cell Biology (3 cr.)
BIOL L313 Cell Biology Laboratory (3 cr.)
CHEM C103 Introduction to Chemical
Principles (3 cr.)
CHEM C106 Principles of Chemistry II (3 cr.)
CHEM C126 Experimental Chemistry II (2 cr.)
CHEM C341 Organic Chemistry I (3 cr.)
CHEM C342 Organic Chemistry II (3 cr.)
CHEM C343 Organic Chemistry Laboratory I
(2 cr.)
CHEM C344 Organic Chemistry Laboratory II
(2 cr.)
CHEM C360 Elementary Physical Chemistry
(3 cr.)
CHEM C483 Biological Chemistry (3 cr.)
CHEM C485 Biosynthesis and Physiology
(3 cr.)
CLAS C209 Medical Terms from Greek and
Latin (2 cr.)
CSCI A111 Survey of Computers and
Computing (1.5 cr.)
CSCI A112 Programming Concepts (1.5 cr.)
CSCI A113 Data Analysis Using Spreadsheets
(1.5 cr.)
CSCI A114 Introduction to Databases (1.5 cr.)
CSCI A115 Using the World Wide Web
(1.5 cr.)
CSCI A116 Multimedia Communication
(1.5 cr.)
CSCI A202 Introduction to Programming II
(4 cr.)
CSCI A304 Intro C++ Programming (2 cr.)
CSCI C212 Introduction to Software Systems
(4 cr.)
CSCI C241 Discrete Structures for Computer
Science (3 cr.)
CSCI C311 Programming Languages (4 cr.)
CSCI C335 Computer Structures (4 cr.)
CSCI C343 Data Structures (4 cr.)
HPSC X20 Introduction to Scientific
Reasoning (3 cr.)
MATH M301 Applied Linear Algebra (3 cr.)
MATH M303 Linear Algebra for
Undergraduates (3 cr.)
MATH M311 Calculus III (4 cr.)
MATH M312 Calculus IV (3 cr.)
PHIL P105 Thinking and Reasoning (3 cr.)
PHIL P140 Elementary Ethics (3 cr.)
PHIL P150 Elementary Logic (3 cr.)
PHIL P250 Introduction to Symbolic Logic
(3 cr.)
PHIL P251 Intermediate Symbolic Logic (3 cr.)
PHYS P202 General Physics 2 (5 cr.)
PHYS P302 Elementary Electronics (2 cr.)
PHSL P431 Human Physiology (4 cr.)
PSY P102 Introduction to Psychology 2
(or PSY P152)
PSY P201 Biological Bases of Behavior
PSY P204 Psychological and Biological Bases of
Human Sexuality
PSY P211 Methods of Experimental
Psychology
PSY P315 Developmental Psychology
PSY P319 The Psychology of Personality
PSY P323 Industrial/Organizational
Psychology
PSY P324 Abnormal Psychology
PSY P325 Psychology of Learning
PSY P326 Behavioral Neuroscience
PSY P327 Psychology of Motivation
PSY P329 Sensation and Perception
PSY P330 Perception/Action
PSY P335 Cognitive Psychology
PSY P405 Elementary Mathematical Psychology
PSY P426 Laboratory in Behavioral
Neuroscience
PSY P435 Laboratory in Human Learning and
Cognition
Choose free electives to complete 124 credit
hours.
NOTE: All exercise science majors must present
evidence of cardiopulmonary resuscitation (CPR)
certification.
Suggested Courses for the Freshman Year
(Exercise Science Emphasis)
First Semester (17 cr.)
HPER P212 Introduction to Exercise Science
(3 cr.)
HPER P216 Current Concepts in Physical
Fitness (3 cr.)
ENG W131 Elementary Composition (3 cr.)
or W170 Projects in Reading and Writing
(3 cr.)
CHEM C105 Principles of Chemistry I (3 cr.)
CHEM C125 Experimental Chemistry I (2 cr.)
CHEM C101 Elementary Chemistry (3 cr.)
CHEM C121 Elementary Chemistry Laboratory
(2 cr.)
MATH M118 Finite Mathematics (3 cr.)
or MATH M119 Brief Survey of Calculus I
(3 cr.)
Second Semester (16 cr.)
HPER P280 Principles of Athletic Training
(2 cr.)
Life and Physical Sciences (3 cr.)
ANAT A215 Basic Human Anatomy (5 cr.)
or HPER P205 Structural Kinesiology (3 cr.)
CMCL S121 Public Speaking (3 cr.)
Chemistry or Mathematics (3-5 cr.)
Sport Communication—Broadcasting
Emphasis (Kinesiology Major)
Four-year program with emphasis on
broadcasting leading to the degree Bachelor
of Science in Kinesiology. Course work in
department of Communications. (For special admission
requirements, see the “Admission” section in
the front of this bulletin).
Required Courses (36 cr.)
HPER P212 Introduction to Exercise Science
(3 cr.)
HPER P333 Sport in America: Historical
Perspectives (3 cr.)
HPER P392 Sport in American Society (3 cr.)
HPER P405 Introduction to Sport Psychology
(3 cr.)
HPER P415 Sport Promotion and Public
Relations (3 cr.)
Select one of the following:
HPER H160 First Aid and Emergency Care
(3 cr.)
HPER P280 Principles of Athletic Training
and Emergency Care (2 cr.)
Select one of the following:
HPER P411 Legal Issues in Sport Setting (3 cr.)
HPER R441 Legal Aspects of Recreation, Parks,
Tourism, and Sports Management (3 cr.)
Select one of the following:
BUS K201 The Computer in Business (3 cr.)
CSCI A110 Introduction to Computers and
Computing (3 cr.)
EDUC W220 Microcomputers in Education
(3 cr.)
HPER P280 Microcomputer Applications in
Physical Education (3 cr.)
HPER R237 Campus Recreation, Parks,
and Tourism Management (3 cr.)
Select 9 credits from the following:
HPER A448 Intrscholastic Athletic Program (2 cr.)
HPER H318 Drug Use in American Society
(3 cr.)
HPER N220 Basic Nutrition (3 cr.) or N231
Human Nutrition (3 cr.)
HPER P211 Introduction to Sport Management
(3 cr.)
TEL T205 Introduction to Media and Society

Select 18 credit hours from the following:

TEL T424 Telecommunications and the Constitution (3 cr.)
TEL T331 Script Writing (3 cr.)
TEL T348 Audience Analysis (3 cr.)
TEL T421 Economics of Communication Industry and Management (3 cr.)
TEL T207 Introduction to Telecommunications Industry and Management (3 cr.)
TEL T242 Public Telecommunications (3 cr.)
TEL T316 Media Ethics and Professional Responsibility (3 cr.)
TEL T321 Policymaking in Telecommunications (3 cr.)
TEL T322 Telecommunications Networks (3 cr.)
TEL T236 Digital Video Production (3 cr.)
TEL T338 Audio Production (3 cr.)
TEL T339 Television Studio Production (3 cr.)
TEL T351 Video Field Production (1.5 cr.)
TEL T352 Video Post-Production (1.5 cr.)
TEL T434 Advanced Production Workshop (3 cr.)
TEL T437 WTIU Production Workshop (3 cr.)
TEL T452 Topical Seminar in Design and Production (3 cr.)
TEL S452 Honors Seminar in Design and Production (3 cr.)
TEL S451 Honors Seminar in Media and Society (3 cr.)

Design and Production
TEL T206 Introduction to Design and Production (3 cr.)
TEL T283 Introduction to Production Techniques and Processes (3 cr.)
TEL T331 Script Writing (3 cr.)

Select 3-4 credits from the following:

Any HPER A361-371 Coaching of … or any HPER “E” Classes

Telecommunication Requirements (24 cr.)

Required
TEL T101 Living in the Information Age (3 cr.)
TEL T211 Writing for Electronic Media (3 cr.)
TEL T212 Writing for Electronic Media (3 cr.)

Majors must complete at least one course in each of the three telecommunications areas and take at least 6 credit hours at 300-400 level in telecommunications.

Select 18 credit hours from the following:

Media and Society
TEL T205 Introduction to Media and Society (3 cr.)
TEL T311 Media History (3 cr.)
TEL T312 Politics and Media (3 cr.)
TEL T313 Comparative Media Systems (3 cr.)
TEL T314 Processes and Effects (3 cr.)
TEL T317 Children and Media (3 cr.)
TEL T348 Audience Analysis (3 cr.)
TEL T414 Public Communication Campaigns (3 cr.)
TEL T424 Telecommunications and the Constitution (3 cr.)
TEL T427 International Telecommunications (3 cr.)
TEL T445 Sports and Television (3 cr.)
TEL T451 Topical Seminar in Media and Society (3 cr.)
TEL S451 Honors Seminar in Media and Society (3 cr.)
Design and Production
TEL T206 Introduction to Design and Production (3 cr.)
TEL T283 Introduction to Production Techniques and Processes (3 cr.)
TEL T331 Script Writing (3 cr.)

Select one of the following:
ENG W231 Professional Writing Skills (3 cr.)
ENG W270 Argumentative Writing (3 cr.)

Select 6 credit hours from the following:
AFRO A141 Introduction To Writing and Black Literature (4 cr.)
AFRO A142 Introduction To Writing and Black Literature (4 cr.)
Any Communication and Culture (CMCL) (3 cr.)
ENG G205 Introduction to the English Language (3 cr.)
ENG G302 Structure of Modern English (3 cr.)
ENG L141 Introduction to Writing and Literature (4 cr.)
ENG L142 Introduction to Writing and Literature (4 cr.)
ENG W103 Introduction to Creative Writing (3 cr.)
ENG W143 Interdisciplinary Study of Expository Writing (1 cr.)
ENG W205 Creative Writing (3 cr.)
ENG W240 Community Service Writing (3 cr.)
ENG W350 Advanced Expository Writing (3 cr.)
JOUR J110 Foundations of Journalism and Mass Communication (3 cr.)
JOUR C327 Writing for Publication (3 cr.)
THTR T115 Oral Interpretation I (3 cr.)
THTR T239 Voice and Speech (3 cr.)

Humanities (12 cr.)
Select courses to total 12 credit hours.
Life and Physical Science (3 cr.)
Select one of the following math courses (a minimum grade of C– is required.)
MATH M118 Finite Mathematics (3 cr.) or
MATH M119 Brief Survey of Calculus I (2 cr.)
MATH M119 Brief Survey of Calculus I (2 cr.)

Select additional 6 credit hours of any life and physical science course.

Social Science (12 cr.)

Required
PSY P101 Introduction of Psychology I (3 cr.)
SOC S101 Sociology Analysis of Society (3 cr.) or
SOC S101 Sociology Programs and Policies (3 cr.)

Select additional social or behavioral science courses to total 12 credit hours.
Choose free electives to complete 124 credit hours.
Only free electives may be taken Pass/Fail.

Sport Communication—
Print Emphasis

(Kinesiology Major)
Four-year program with emphasis on sport journalism leading to the degree Bachelor of Science in Kinesiology. Course work in conjunction with the School of Journalism. (For special admission requirements, see the “Admission” section in this bulletin.)

Required Courses (36 cr.)

HPER P212 Introduction to Exercise Science (3 cr.)
HPER P333 Sport in America: Historical Perspectives (3 cr.)
HPER P392 Sport in American Society (3 cr.)
HPER P405 Introduction to Sport Psychology (3 cr.)
HPER P415 Sport Promotion and Public Relations (3 cr.)

Select one of the following:
HPER H160 First Aid and Emergency Care (3 cr.)
HPER P280 Principles of Athletic Training and Emergency Care (2 cr.)

Select one of the following:
HPER P411 Legal Issues in Sport Settings (3 cr.)
HPER R441 Legal Aspects of Recreation, Parks, Tourism, Sports Management (3 cr.)

Select one of the following:
BUS K201 The Computer in Business (3 cr.)
CSCI A110 Introduction to Computers and Computing (3 cr.)
EDUC W200 Microcomputers in Education (3 cr.)

HPER P200 Microcomputer Applications in Physical Education (3 cr.)
HPER R237 Computers in Park, Recreation, and Tourism Management (3 cr.)

Select 9 credit hours from the following:
HPER A484 Interscholastic Athletic Program (2 cr.)
HPER H318 Drug Use in American Society (3 cr.)
HPER N220 Basic Nutrition (3 cr.) or N231 Human Nutrition (3 cr.)
HPER P211 Introduction to Sport Management (3 cr.)
HPER P216 Current Concepts in Physical Fitness (3 cr.)
HPER P217 Methods of Fitness Exercise Instruction (3 cr.)
HPER P318 Management of the Sport Enterprise (3 cr.)
HPER P524 Recreational Sport Programming (3 cr.)
HPER P334 Cultural Diversity in American Sport (3 cr.)
HPER P391 Biomechanics (3 cr.)
HPER P418 Sport Marketing (3 cr.)
HPER P438 Internship in Sport Communication (3 cr.)
HPER P444 Issues in Physical Education and Sport (3 cr.)
Required
Select one of the following:

JOUR J409 Media Management (3 cr.)
JOUR J438 Problems in Advertising (3 cr.)
JOUR J351 Newspaper Editing (3 cr.)

Select 3-4 credit hours from:

Written and Oral Communications (15 cr.)
JOUR J315 Feature Writing (3 cr.)
JOUR J201 Reporting, Writing, and Editing II (3 cr.)
JOUR J210 Visual Communication (3 cr.)
JOUR J300 Communications Law (3 cr.)
JOUR J410 Media as Social Institutions (3 cr.)

Journalism Electives
Select one of the following:
JOUR J315 Feature Writing (3 cr.)
JOUR J335 Retail and Direct Advertising (3 cr.)
JOUR J341 Newspaper Reporting (3 cr.)
JOUR J342 Magazine Reporting (3 cr.)
JOUR J343 Broadcast News (3 cr.)
JOUR J344 Photojournalism Reporting (3 cr.)
JOUR J351 Newspaper Editing (3 cr.)
JOUR J352 Magazine Editing (3 cr.)
JOUR J354 Photojournalism Editing (3 cr.)
JOUR J420 Advertising as Communication (3 cr.)
JOUR J429 Public Relations Campaign (3 cr.)
JOUR J435 News Analysis and Opinion Writing (3 cr.)
JOUR J463 Computerized Publication Design I (3 cr.)

Select one additional course from any journalism option. Recommended courses:
JOUR J409 Media Management (3 cr.)
JOUR J414 International News-Gathering Systems (3 cr.)
JOUR J423 Public Opinion (3 cr.)
JOUR J428 Public Relations Management (3 cr.)
JOUR J438 Problems in Advertising (3 cr.)
JOUR J450 History of Journalism (3 cr.)
JOUR J470 Broadcast Media Analysis (3 cr.)

General Education Requirements
Written and Oral Communications (15 cr.)

Required
Select one of the following:
CMCL C121 Public Speaking (3 cr.)
CMCL C122 Interpersonal Communication (3 cr.)

Select one of the following:
ENG W131 English Composition (3 cr.)

Select one of the following:
ENG W170 Project in Reading and Writing (3 cr.) (A minimum grade of C– is required.)

Select one of the following:
ENG W231 Professional Writing Skills (3 cr.)
ENG W270 Argumentative Writing (3 cr.)

Select 6 credits from the following:
AFRO A141 Introduction to Writing and the Study of Black Literature (4 cr.)
AFRO A142 Introduction to Writing and the Study of Black Literature (4 cr.)

Any Communication and Culture (CMCL) course
ENG G205 Introduction to the English Language (3 cr.)
ENG G302 Structure of Modern English (3 cr.)
ENG L141 Introduction to Writing and the Study of Literature I (4 cr.)
ENG L142 Introduction to Writing and the Study of Literature II (4 cr.)
ENG W103 Introduction to Creative Writing (3 cr.)
ENG W143 Interdisciplinary Study of Expository Writing (1 cr.)
ENG W203 Creative Writing (3 cr.)
ENG W240 Community Service Writing (3 cr.)
ENG W350 Advanced Expository Writing (3 cr.)

JOUR C327 Writing for Publication (3 cr.)
THTR T115 Oral Interpretation I (3 cr.)
THTR T325 Voice and Speech (3 cr.)

Humans (12 cr.)
One semester of foreign language (or second semester placement).

Select additional hours to total 12 credits.

Life and Physical Science (9 cr.)
Select one of the following mathematics courses (a minimum grade of C– is required).

MATH M118 Finite Mathematics (3 cr.)
MATH A118 Finite Mathematics for Social and Biological Sciences (3 cr.)
D116-D117 Introduction to Finite Mathematics I-E (2-2 cr.)
MATH M119 Brief Survey of Calculus I (3 cr.)

Select additional life and physical science courses to total 9 credit hours.

Social Science (12 cr.)
Required
PSY P101 Introduction of Psychology (3 cr.)
SOC S100 Sociological Analysis of Society (3 cr.)
or SOC S101 Social Programs and Policies (3 cr.)

Choose additional social or behavioral science courses to total 12 credit hours.

Choose free electives to complete 124 credit hours.

Only free electives may be taken Pass/Fail.

Sport Marketing and Management Emphasis

(Kinesiology Major)
Four-year program with emphasis on sport marketing and management leading to the degree Bachelor of Science in Kinesiology. Admission to the program is limited. For admission requirements, see the “Admission” section in the front of this bulletin.

Kinesiology Courses (36-41 cr.)

Required Foundation
JHER P211 Introduction to Sport Management (5 cr.)
JHER P212 Introduction to Exercise Science (5 cr.)

Required Core
JHER P484 Interscholastic Athletic Programs (2 cr.)
JHER P333 Sport in America: Historical Study (3 cr.)
JHER P392 Sport in American Society (3 cr.)
JHER P405 Introduction to Sport Psychology (3 cr.)

Required Sport Marketing and Management Professional Core
(Enrollment in courses in “C” and “D” below is restricted to admitted sport marketing and management and sport communication majors—or by special permission of instructor.)
JHER P318 Management of the Sport Enterprise (3 cr.)
JHER P411 Legal Issues in Sport Settings (3 cr.)
JHER P418 Sport Marketing (3 cr.)
JHER P423 Financial Principles of Sport (3 cr.)
JHER P428 Strategic Management in the Sport Industry (3 cr.)

Required Computer Competency (3 cr.)
Select one of the following:
BUS K201 The Computer in Business (3 cr.)
JHER P200 Microcomputer Application in Physical Education (3 cr.)

Required Business Core (24 cr.)
Required
BUS A201 Introduction to Financial Accounting (3 cr.)
BUS A202 Introduction to Managerial Accounting (3 cr.)
BUS L201 Legal Environment Business (3 cr.)
BUS M300 Introduction to Marketing (3 cr.)
BUS Z302 Managing and Behavior in Organizations (3 cr.)

Electives (5 cr.)
ECON E202 Introduction to Macroeconomics (3 cr.)
Select one of the following:
BUS F260 Personal Finance (3 cr.)
BUS X100 Business Administration: Introduction (3 cr.)
BUS X204 Business Communications (3 cr.)
ECON E370 Statistical Analysis for Business and Economics (3 cr.)

General Education Requirements (39 cr.)

Humanities (18 cr.)
Required
CMCL C121 Public Speaking (3 cr.)
CMCL C122 Interpersonal Communication (3 cr.)
ENG W131 English Composition (3 cr.) or
ENG W170 Project in Reading and Writing (3 cr.)
(Must earn a C– or better in ENG courses)

Select 6 credit hours from the following:
CMCL C223 Business and Professional Communication (3 cr.)
ENG W103 Introduction to Creative Writing (3 cr.)
ENG W203 Creative Writing (3 cr.)
ENG W231 Professional Writing Skills (3 cr.)
ENG W240 Community Service Writing (3 cr.)
ENG W270 Argumentative Writing (3 cr.)

JOUR J110 Foundations of Journalism and Mass Communication (3 cr.)
JOUR J210 Visual Communication (3 cr.)
TEL T211 Writing for Electronic Media (3 cr.)

Select 3 additional credit hours from any humanities class (see HPER Bulletin).

Life and Physical Science (9 cr.)
Required
MATH M118 Finite Mathematics (3 cr.) or
A118 Finite Mathematics for Social and Biological Sciences (3 cr.)
or both
MATH D116-D117 Introduction to Finite Mathematics I-E (2-2 cr.)
MATH M119 Brief Survey of Calculus I (3 cr.)

Additional credit hours to total 9 credit hours:
Any Life and Physical Science courses

Social Sciences (12 cr.)
Required
PSY P101 Introduction to Psychology I (3 cr.)
SOC S100 Sociological Analysis of Society (3 cr.)

Select 6 additional credit hours from any social & behavior science course (see HPER Bulletin).

Recommended
PSY P102 Introduction to Psychology II (3 cr.)
SOC S101 Social Programs and Policies (3 cr.)
SOC S210 The Economy Organization and Work (3 cr.)
SOC S215 Social Change (3 cr.)
SOC S220 Society and the Individual (3 cr.)
Kinesiology Minors and Certificates

Kinesiology Minor—Nonteaching Option

Students pursuing nonteaching degrees in other departments may pursue a nonteaching kinesiology minor. This minor requires 18 credit hours with a minimum overall GPA of 2.0.

Kinesiology Core (5-6 cr.)

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER P212 Introduction to Exercise Science</td>
<td>3 cr.</td>
</tr>
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</table>

Select one course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER P211 Introduction to Sport Management</td>
<td>3 cr.</td>
</tr>
<tr>
<td>HPER P280 Principles of Athletic Training and Emergency Care (2 cr.)</td>
<td>3 cr.</td>
</tr>
<tr>
<td>HPER P333 Sport in America: Historical Perspectives (3 cr.)</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

Specialization Area

Select 3 credits from any of the following list(s) of courses to total 18 credit hours for the minor:

- **Health**
  - HPER A281 Recognition and Evaluation of Athletic Injuries (3 cr.)
  - HPER P216 Current Concepts in Physical Fitness (3 cr.)
  - HPER P217 Methods of Exercise Instruction (3 cr.)
  - HPER P280 Principles of Athletic Training and Emergency Care (2 cr.)

- **Exercise and Sport Science**
  - HPER P317 Strength Training (3 cr.)
  - HPER P327 Administration, Maintenance, and Construction of Aquatic Facilities (3 cr.)
  - HPER P344 Special Problems in Kinesiology (1-3 cr.)

- **Fitness and Recreation**
  - HPER P491 Research in Kinesiology (1-3 cr.)
  - HPER P499 Research in Physical Education and Athletics (1-3 cr.)

- **Specialty Electives**
  - HPER P211 Introduction to Sport Management (3 cr.)

Suggested Courses for the Freshman Year (Sport Marketing and Management Emphasis)

<table>
<thead>
<tr>
<th>First Semester (16 cr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER P211 Introduction to Sport Management (3 cr.)</td>
</tr>
<tr>
<td>HPER P160 Introduction to Business (3 cr.)</td>
</tr>
<tr>
<td>HPER P161 Personal Financial Management (3 cr.)</td>
</tr>
<tr>
<td>HPER P162 Basic Accounting Skills (1 cr.)</td>
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<tr>
<td>HPER P163 Computer Applications (3 cr.)</td>
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<td>HPER P164 Business Communications (3 cr.)</td>
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<td>HPER P165 Business Career Planning and Placement (2 cr.)</td>
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<tr>
<td>HPER P280 Principles of Athletic Training and Emergency Care (2 cr.)</td>
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<tr>
<td>HPER P333 Sport in America: Historical Perspectives (3 cr.)</td>
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<tr>
<td>Choose free electives to complete 124 credit hours. Only free electives may be taken</td>
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<td>Pass/Fail</td>
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Kinesiology Minor—Teaching Option

This minor is designed for admitted School of Education majors. HPER P140 and P141 must...
be taken concurrently and must be completed with a C grade in each course. This minor requires 25 credit hours with a minimum overall GPA of 2.0.

HPER P140 Foundations of Physical Education (3 cr.)
HPER P141 Foundations of Human Movement (2 cr.)
HPER P203 Skill Practicum in Physical Education (1 cr.)
HPER P205 Structural Kinesiology (3 cr.)
HPER P214 Basic Methods of Teaching Physical Education (3 cr.)
HPER P216 Current Concepts of Physical Fitness (3 cr.)
HPER P222 Teaching of Developmental Gymnastics (2 cr.) or HPER P223 Teaching of Stunts, Tumbling, and Apparatus (2 cr.)
HPER P280 Athletic Training and Emergency Care (2 cr.)
HPER P290 Movement Experience for Preschool and Elementary Children (2 cr.) or HPER P316 Theories of Advanced Conditioning (2 cr.)
HPER P323 Teaching Individual/Dual Activities (2 cr.)
HPER P325 Teaching Team Activities (2 cr.)
HPER P390 Team Management (3 cr.)

**Coaching Endorsement**

The Coaching Endorsement is intended for non-kinesthetics majors who are pursuing majors in other teaching areas.

**Required Courses**

HPER P205 Structural Kinesiology (3 cr.)
HPER P216 Current Concepts in Physical Fitness (3 cr.)
HPER P280 Athletic Training and Emergency Care (2 cr.)
HPER P290 Movement Experience for Preschool and Elementary Children (2 cr.) or HPER P316 Theories of Advanced Conditioning (2 cr.)
HPER P323 Teaching Individual/Dual Activities (2 cr.)
HPER P325 Teaching Team Activities (2 cr.)
HPER P390 Team Management (3 cr.)

**Martial Arts Certificate Program**

Students pursuing this certificate program must complete 24 credit hours from the following courses:

**Required Courses (14 cr.)**

HPER E145 Introduction to the Martial Arts (2 cr.)
HPER P205 Structural Kinesiology (3 cr.)
HPER P211 Introduction to Sport Management (3 cr.)
HPER P216 Current Concepts in Physical Fitness (3 cr.)
HPER P498 Practicum in Physical Education (3 cr.)

Select one of the 5 credit hour groups below:

- HPER E147 Hapkido (1 cr.)
- HPER E247 Intermediate Hapkido (1 cr.)
- HPER E347 Advanced Hapkido (1 cr.)
- HPER E447 Advanced Hapkido ICRed Belt (1 cr.)
- HPER E446 or E100 Independent Study in the Martial Arts (1 cr.)

- HPER E150 Karate (1 cr.)
- HPER E250 Intermediate Karate (1 cr.)
- HPER E350 Advanced Karate (1 cr.)
- HPER E450 Advanced Karate II—Red Belt (1 cr.)
- HPER E446 or E100 Independent Study in the Martial Arts (1 cr.)

- HPER E184 T’ai Chi Ch’uan (1 cr.)
- HPER E248 Intermediate T’ai Chi Ch’uan (1 cr.)
- HPER E348 T’ai Chi Ch’uan Sword (1 cr.)
- HPER E446 or E100 Independent Study in the Martial Arts (1 cr.)

**Note:** Among the requirements for completion of HPER E446 or E100 Independent Study in the Martial Arts is presentation of evidence of the following: Black Belt or equivalent; training in CPR, First Aid, or Athletic Training Emergency Care.

**Select 1 credit hour from an area different from your specialization:**

- HPER E100 Brazilian Jujitsu (1 cr.)
- HPER E100 Japanese Jujitsu (1 cr.)
- HPER E147 Hapkido (1 cr.)
- HPER E148 T’ai Chi Ch’uan (1 cr.)
- HPER E149 Judo (1 cr.)
- HPER E150 Karate (1 cr.)
- HPER E151 Self Defense (1 cr.)

**Select 1 credit hour from the following:**

- HPER E100 Techniques of Stress Reduction (1 cr.)
- HPER E144 Chi Gong (1 cr.)
- HPER E190 Yoga (1 cr.)

Select at least 3 additional credit hours from a list of options in one of these emphasis areas: fitness, management, science, socio/psychology.

**Recreation Major**

This curriculum provides a broad general education coupled with management, leadership, and supervision course work, as well as practicum experience. All students are required to complete 320 credit hours of practical field experience prior to the internship.

All majors, regardless of emphasis, are required to take the following core curriculum.

**General Education (38 cr.)**

SOC S100 Introduction to Sociology
PSY P101 Introductory Psychology I (3 cr.)
PSY P102 Introductory Psychology II (3 cr.)
CMCL C121 Public Speaking (2 cr.) or CMCL C122 Interpersonal Communication (2 cr.)
ENG W131 Elementary Composition I (3 cr.)
ENG W231 Professional Writing Skills (3 cr.)
History or Political Science Elective (3 cr.)
Humanities Electives (6 cr.)
Life or Physical Science Elective (5 cr.)
Sociology Elective (3 cr.)
Statistics Elective (3 cr.)

Therapeutic Recreation majors may take:

- Sociology elective or P320 Social Psychology
- Therapeutic Recreation majors must take:
  - *Chemistry C101 (3 cr.) and Chemistry C121 or Life/Physical Science Elective (2 cr.)

**Professional (42 cr.)**

HPER R160 Recreation and Leisure (3 cr.)
HPER R237 Computer Applications in Parks and Recreation (except therapeutic recreation) (3 cr.)
HPER R270 Inclusive Recreation Services (3 cr.)
HPER R272 Recreation Activities and Leadership Methods (3 cr.)
HPER R301 Internship Preparation (1 cr.)
HPER R340 Leisure in Modern Society (3 cr.)
HPER R363 Professional Internship (14 cr.)
HPER R367 Leisure Program Development (except therapeutic recreation) (3 cr.)
HPER R441 Legal Aspects of Recreation, Parks, Tourism, and Sport Management (except therapeutic recreation) (3 cr.)
HPER R490 Research and Evaluation (3 cr.)

**Emphasis Requirements (44-47 cr.)**

Students must also elect one of the following five emphases: park and recreation management; therapeutic recreation; outdoor recreation and resource management; recreational sport management; or tourism management.

**Recreation Degree Programs**

**Park and Recreation Management (44-47 cr.)**

(Recreation Major)
HPER R266 Management of Park and Recreation Facilities (3 cr.)
HPER R271 Dynamics of Outdoor Recreation (3 cr.)
HPER R281 Landscape Horticulture (3 cr.)
HPER R324 Recreational Sports Programming (3 cr.)
HPER R338 Recreation Resource Management (3 cr.)
HPER R402 Senior Seminar (1 cr.)
HPER R422 Economics and Marketing for Leisure Services (3 cr.)
HPER R451 Fiscal Management for Leisure Service Organizations (3 cr.)
HPER R465 Fluming Park and Recreation Facilities (3 cr.)
BUS A201 Accounting for Non-Business Majors (3 cr.)
BUS A201 Introduction to Accounting (3 cr.)
CMCL C223 Business and Professional Speaking (3 cr.)
Specialized Electives (6 cr.)
Choose free electives to complete 124 credit hours. Only free electives may be taken Pass/Fail.

**Recreational Sport Management (44-47 cr.)**

(Recreation Major)
HPER H160 First Aid and Emergency Care (3 cr.)
HPER R266 Management of Park and Recreation Facilities (3 cr.)
HPER R324 Recreational Sports Programming (3 cr.)
HPER R326 Customer Service and Media Relations (3 cr.)
HPER R398 Practicum in Recreational Sports (1 cr.)
HPER R402 Senior Seminar (1 cr.)
HPER R422 Economics and Marketing for Leisure Services (3 cr.)
HPER R451 Fiscal Management for Leisure Service Organizations (3 cr.)
HPER R471 Recreation Personnel Management (3 cr.)
HPER R472 Recreational Sports Management (3 cr.)
BUS A201 Accounting for Non-Business Majors (3 cr.) or BUS A201 Introduction to Accounting I (3 cr.)
CMCL C223 Business and Professional Communication (3 cr.)
Specialized Electives (6 cr.)
Choose free electives to complete 124 credit hours. Only free electives may be taken Pass/Fail.

Outdoor Recreation and Resource Management (44-47 cr.)

(Recreation Major)
HPER R271 Dynamics of Outdoor Recreation (3 cr.)
HPER R280 Natural History (3 cr.)
HPER R338 Recreation Resource Management (3 cr.)
HPER R372 Interpretative Resources and Techniques (3 cr.)
HPER R402 Senior Seminar (1 cr.)
HPER R418 Strategies and Methods of Interpretation (3 cr.)
HPER R423 Visitor Behavior (3 cr.)
HPER R425 Ecosystem Management (3 cr.)
BIOI L350 Environmental Biology (3 cr.)
GEOL G103 Earth Science: Materials and Processes (3 cr.)
or GEOL G104 Earth Science: Evolution of the Earth (3 cr.)
or GEOG G107 Physical Systems of the Environment (3 cr.)
Concentration Courses (12 cr.)
Choose free electives to complete 124 credit hours. Only free electives may be taken Pass/Fail.

Therapeutic Recreation (44-47 cr.)

(Recreation Major)
HPER R277 Introduction to Therapeutic Recreation (3 cr.)
HPER R279 Outdoor Adventure Education (2 cr.)
HPER R362 Therapeutic Communication (3 cr.)
HPER R376 Techniques in Therapeutic Recreation (3 cr.)
HPER R379 Clinical Practice in Therapeutic Recreation (3 cr.)
HPER R402 Senior Seminar (1 cr.)
HPER R462 Organization and Management of Therapeutic Recreation Programs (3 cr.)
HPER R479 Trends and Issues in Therapeutic Recreation (3 cr.)
HPER E119 Computers (2 cr.)
or HPER P290 Movement Exercises for Pre-school and Elementary School Children (2 cr.)
ANAT A215 Basic Human Anatomy (5 cr.)
or HPER P290 Structural Kinesiology (3 cr.)
CLAS C209 Medical Terms from Greek and Latin (2 cr.)
PHSL P215 Basic Human Physiology (5 cr.)
or PSY P315 Developmental Psychology (3 cr.)
or PSY P316 Psychology of Childhood and Adolescence (3 cr.)
or HPER P150 Introduction to Life Span Human Development (3 cr.)
PSY P324 Abnormal Psychology (3 cr.)
Therapeutic Intervention Elective (2-3 cr.)
Choose free electives to complete 124 credit hours. Only free electives may be taken Pass/Fail.

Tourism Management (44-47 cr.)

(Recreation Major)
HPER R256 Tourism and Commercial Recreation (3 cr.)
HPER R266 Management of Park and Recreation Facilities (3 cr.)
HPER R351 Convention Management and Meeting Planning (3 cr.)
HPER R402 Senior Seminar (1 cr.)
HPER R422 Economics and Marketing for Leisure (3 cr.)
HPER R450 Tourism Systems Planning (3 cr.)
HPER R451 Fiscal Management of Leisure Service Organizations (3 cr.)
HPER R468 Planning Park and Recreation Facilities (3 cr.)
BUS A200 Accounting for Non-Business Majors (3 cr.)
or BUS A201 Introduction to Accounting (3 cr.)
GEOG G120 World Regional Geography (3 cr.)
Specialized Electives (12 cr.)
Choose free electives to complete 124 credit hours. Only free electives may be taken Pass/Fail.

Suggested Courses for Freshman Year in Recreation Major

First Semester
ENG W131 Elementary Composition (3 cr.)
PSY P101 Introductory Psychology I (3 cr.)

Either Semester
Humanities Elective (3 cr.)
Life or Physical Sciences Elective (5 cr.)
SOC S100 Intro to Sociology (3 cr.)
CMCL C121 Public Speaking or CMCL C122 Interpersonal Communications (3 cr.)
HPER R160 Recreation and Leisure (3 cr.)

Second Semester
PSY 102 Introductory Psychology II (3 cr.)
ENG W231 Elementary Composition (3 cr.)

Recreation Minor (18 cr.)

Required Core Courses
HPER R160 Recreational Leadership (3 cr.)
HPER R270 Inclusive Recreation Services (3 cr.)
HPER R272 Recreation Activities and Leadership Methods (3 cr.)
HPER R340 Leisure in Modern Society (3 cr.)
Other recreation and park administration courses to be selected with major advisor (6 cr.).

Conservation and Outdoor Recreation Education (C.O.R.E.):
An intensive, semester-long program that combines academic and experiential learning opportunities for undergraduate and graduate students committed to developing their professional training in the fields of outdoor leadership and outdoor recreation. Students will receive 17 undergraduate or 12 graduate credits.

Graduate Program

General Information

The graduate program provides a comprehensive understanding of a chosen field, extensive preparation in a specialized area of interest, and working knowledge of research techniques. The master’s and doctoral degrees are offered in the Departments of Applied Health Science, Kinesiology, and Recreation and Park Administration. The Master of Public Health degree is offered in public health education. The director’s degree is offered in the Department of Recreation and Park Administration. In addition to this degree program, the Departments of Applied Health Science and Recreation and Park Administration offer certificate programs.

Admission

Application for Graduate Study

Information about graduate study and application materials may be obtained from:

Associate Dean for Academic Program Administration
School of Health, Physical Education, and Recreation
1025 East Seventh Street
HPER 121
Indiana University
Bloomington, IN 47405-7109
(812) 855-1561

Visit the School of HPER home page on the Internet at http://www.indiana.edu/~hperweb/, to request graduate program application materials, or to view in-depth information about the School of Health, Physical Education, and Recreation.

Separate application procedures apply for those who are not citizens of the United States and/or those who have had their previous schooling outside of the United States.

International application materials may be obtained from:

International Admissions
300 N. Jordan Avenue
Indiana University
Bloomington, IN 47405-7700
United States of America
(812) 855-0661

International applicants should read the information about the Test of English as a Foreign Language (TOEFL) and the Graduate Record Examination (GRE) as described in steps 5 and 6 below.

NOTE: Specific application materials must be requested for both the Athletic Training Program and the Clinical Exercise Physiology Program.

Steps for Admission

Admission to certain graduate degree programs may require additional steps; however, admission procedures for all graduate programs in the School of Health, Physical Education, and Recreation include the following:

1. The completed Application for Graduate Program Admission should be submitted to the Records Office, School of Health, Physical Education, and Recreation, 1025 East Seventh Street, HPER 115, Indiana University, Bloomington, IN 47405-7109.

2. The applicant must submit official transcripts of all undergraduate and graduate course work taken at institutions other than Indiana University. Although a student may not have completed undergraduate course work at the time of application, formal admission may be made on the strength of the student’s work up to the time of application. An official, final transcript from an accredited institution attesting to the award of a bachelor’s degree must be submitted before the student can be formally admitted.

3. The applicant should request three people to complete Application Reference Forms on his or her behalf. Writers of references should have sufficient knowledge of the applicant’s abilities to make informed judgments about the applicant’s ability to succeed in a graduate degree program. Reference forms are included in the application packet.

4. The applicant is requested to submit a small photograph with the application materials (optional).

5. Graduate Record Examination scores (aptitude portion only) must be submitted by all of the following students:

   a. All applicants for a director’s or doctoral degree.

   b. All applicants for the Master of Science degree in the Departments of Kinesiology and Recreation and Park Administration.

   c. All applicants for the Master of Science in Nutrition in the Department of Applied Health Science.

   d. All applicants for all other master’s degrees whose undergraduate grade point averages are lower than 2.8 on a 4.0 scale.

   e. All international applicants regardless of degree being sought.
Applicants who want to be considered for fall admission to a degree program that require submission of these scores are advised to take the Graduate Record Examination no later than December. Approximately eight weeks are required before GRE scores will be known. Decisions for all programs begin in February. Take the GRE early! For information concerning the Graduate Record Examination, write to the Educational Testing Service, Princeton, NJ 08541-6000. Applicants may visit the GRE web site at http://www.gre.org. For students who are already on the IU Bloomington campus, information can be obtained from the Office of Academic Affairs, School of Health, Physical Education, and Recreation, 1025 East Seventh Street, HPER 121, Indiana University, Bloomington, IN 47405-7109; phone (812) 855-1561.

6. International applicants whose native language is not English must submit TOEFL scores. A minimum TOEFL score of 550 on the paper-based test, or 213 on the computer-based test is normally required for admission to all graduate degree programs. In those exceptional instances in which TOEFL scores are not available, other evidence concerning English proficiency may be considered. All entering international students whose native language is not English will be required to take the Indiana University English language examination prior to registration for course work. Appropriate remedial English courses may be prescribed on the basis of test results.

7. A nonrefundable application fee must be submitted to the bursar, using the Graduate Application Fee return envelope. This envelope is included in the application packet. Enclose a check or money order made payable to Indiana University.

Applicants should be aware that applications are not reviewed until all required materials are received.

NOTE: Credentials submitted for admission become the property of the university and will not be returned to the applicant.

Application Deadlines

Review of applications for admission to the master’s degree program with specialization in athletic training or clinical exercise physiology begins February 1. These are highly selective programs; fewer than 20 applicants are admitted annually to each. Additional application materials are required for these two programs and must be specifically requested.

In general, doctoral admission decisions are not made in May, June, July, or August. Master’s, directorate, and doctoral applicants seeking consideration for assistantships, fellowships, or scholarships should be certain that complete credentials have been received by the Records Office, School of Health, Physical Education, and Recreation, 1025 East Seventh Street, HPER 115, Indiana University, Bloomington, IN 47405-7109, phone (812) 855-1561, before February 1 in order to be considered for the next academic year.

Only those admitted to a graduate degree program at the time such decisions are being made can be assured of consideration for assistantships, financial aid awards, or admittance into the athletic training or clinical exercise physiology programs.

Admission Status

The types of admission status are as follows:

Regular (Unconditional) The applicant has met all admission requirements for the degree program and programs in accordance with the entry date in the application for admission. Unconditional admission may be granted to applicants having an approved undergraduate degree from a four-year institution and an undergraduate grade point average not lower than 2.8 (on a 4.0 scale). NOTE: Initial registration for courses must occur within 18 months after the applicant has been accepted for admission.

Special Student (Conditional) The applicant is admitted with the understanding that successful completion of assigned prerequisites will result in regular (unconditional) admission status.

Denied The applicant is not permitted to pursue the academic program for which application was made. Applicants whose record would ordinarily qualify them for admission but who are denied because no places are available in the desired program may request to have their applications reconsidered for admission at some future date. Applicants who are denied admission for other reasons may request reconsideration if significant new evidence can be presented concerning their ability to pursue graduate course work successfully. If such evidence includes courses taken at Indiana University (or other institutions), credit for such course work cannot ordinarily be counted toward degree requirements if the applicant is subsequently admitted.

Continuing Nondegree The holder of a bachelor’s degree who is not a candidate for a graduate degree may be admitted as a continuing nondegree student. Those wishing to enroll as nondegree students must apply for admission and indicate “nondegree” on the application materials. Application forms are available in the Records Office, School of Health, Physical Education, and Recreation, 1025 East Seventh Street, HPER 115, Indiana University, Bloomington, IN 47405-7109; phone (812) 855-1561. Official transcripts must be submitted. Before being allowed to enroll, continuing nondegree students must be advised by the associate dean for academic program administration. Continuing nondegree students may enroll in only those courses for which they have obtained specific permission to register. Consideration will be given to the academic background of the individual concerning academic and course enrollment limitations. If a student initially admitted as a continuing nondegree student later wishes to obtain a graduate degree, a formal admission application must be submitted to the school. It is important to note that no more than 9 credit hours taken before formal admission to a degree program in the school may be counted toward a graduate degree.

Transient Students Students in good standing in any recognized graduate school who plan to return to their former university may also be admitted as special students. A statement from the dean or departmental chairperson of the home institution verifying graduate status will be accepted in lieu of transcripts and letters of recommendation.

Audit Status A student who wants to enroll in a HPER graduate course as an auditor must complete the Permission to Audit Form and return it to the Records Office, School of Health, Physical Education, and Recreation, 1025 East Seventh Street, HPER 115, Indiana University, Bloomington, IN 47405-7109; phone (812) 855-1561. The privilege of auditing a course is awarded only under special circumstances. Course instructors have the final right of approval on any such arrangement and may not be awarded for any course taken as an audit.

Admission—Master’s Degree

See also “Steps for Admission.” Individuals holding bachelor’s degrees from accredited institutions, or who are within one semester of meeting degree requirements, are eligible to apply for admission to master’s degree programs.

Unconditional admission may be granted applicants having an approved undergraduate degree from a four-year accredited institution and whose undergraduate academic average is not lower than 2.8 (on a 4.0 scale). Applicants for admission to the Master of Science programs in the Department of Kinesiology, Recreation and Park Administration, and the nutrition program in the Department of Applied Health Science must submit scores from the Graduate Record Examination even if the grade point average is 2.8 or better (on a 4.0 scale). Consideration may also be given to applicants whose grade point average falls below these minimums if strong Graduate Record Examination scores have been earned or if other evidence of adequate academic potential can be presented.

Professional experience related to the applicant’s area of study is highly desirable. Specific admission requirements regarding professional experience are determined by each department and based upon the particular program of study for which application is made.

Applicants with deficiencies in academic background will be notified of specific courses to be taken as prerequisites to degree course work. Such course work cannot be counted toward the credit hours required for completion of the degree but is required to be completed before the degree is granted.

Master’s Thesis Option Applicants who are applying for the master’s thesis option must complete all application materials as described earlier in “Steps for Admission.” On the application, the applicant must request permission to pursue master’s thesis option. Admission to a graduate program does not ensure admission to the thesis option. The decision to admit an applicant to this option is based upon the applicant’s academic preparation and area of interest, as well as the availability of a faculty member to guide the thesis research.

Admission—Director’s Degree

See also “Steps for Admission.” To be considered for admission, applicants must possess a minimum undergraduate grade point average of 3.0 and a graduate grade point average of at least 3.2 (on a 4.0 scale). Applicants with deficiencies in academic background will be notified of specific courses to be taken as prerequisites or corequisites to degree course work. Such course work ordinarily cannot be counted toward the credit hours required for completion of the degree.

Admission—Doctoral Degree

See “Steps for Admission.”

Prerequisites Although most applicants for the doctorate generally have backgrounds in the area of specialty, the possession of degrees in these fields is not a prerequisite to admission. However, qualified applicants who have deficiencies in academic or professional background may be required to take specific courses or acquire specific experience as prerequisites to degree course work. Credit
hours earned in courses prescribed for this purpose ordinarily cannot be included in the 90 credit hours required for the degree.

Minimum Admission Standards for Ph.D. Program Applicants must have a minimum GRE score of 600 in one of the following areas: verbal, quantitative, or analytical; an undergraduate GPA of at least 3.0; and a graduate GPA of at least 3.5. For international students whose native language is not English, a TOEFL score is required of at least 550 on the paper-based test, or 213 on the computer-based test.

Admission to Doctoral Study in the Department of Kinesiology Successful applicants for the doctoral program in the Department of Kinesiology will ordinarily have GRE scores at or above the mean scores reported annually by Educational Testing Service in at least two of the three measures (verbal, quantitative, analytical), with a score of 600 in at least one of the three; an undergraduate GPA of at least 3.0; and graduate GPA of at least 3.5.

Availability of Advisor Admission to the doctoral program is dependent on the availability of a faculty advisor in the area of study.

Financial Assistance Student Academic Appointments Application and Deadline Applicants must submit a completed application for assistantship by February 1. The credentials of the applicants for each department are reviewed beginning in February and awardees are notified no later than June 1.

Eligibility Any graduate student who is officially admitted with a major in applied health science, kinesiology, or recreation and park administration is eligible to apply for a graduate student academic appointment (SAA).

Criteria Criteria for selection are experience, departmental needs, scholarship records, and recommendations.

Duties Students may be appointed as associate instructors, research assistants, or graduate assistants. Students are normally assigned to the department in which they are majoring. Duties may involve assisting faculty with teaching, research, or other departmental duties; teaching classes; or working in the Division of Recreational Sports. Other special assignments may also be made.

Stipend Stipends for academic-year assistantships range from $5,700 to $10,000. These are based on whether a student is a master’s or doctoral student, and the number of years in the graduate program.

Fee Remission Limited or full fee remissions may be awarded to any student enrolled in at least 6 hours of credit per semester, and working between 15 and 30 hours per week in a graduate student academic appointment. Fee remission may be awarded if a student is appointed less than 15 hours per week at department discretion. Fee remissions may be awarded for a maximum of 30 credit hours per 12-month period beginning with the start of the fall semester with at most 12 credit hours in any semester or combined summer session. Fee remissions do not cover dedicated fees, mandatory fees, and course-related fees or audit hours. An eligible appointee should be prepared to pay the time of registration, dedicated fees of approximately $22 per credit hour, plus mandatory and special course-related fees.

Other Forms Required All applicants for a graduate student academic appointment must submit the Indiana Free Application for Federal Student Aid (FAFSA). This form is available on the Web at http://www.FAFSA.ed.gov or it can be picked up at any high school or university in the United States. It may also be picked up at the IU Bloomington Office of Student Financial Assistance (OSFA), Franklin Hall 208, Indiana University, Bloomington, IN 47405-2806; phone (812) 855-0221. Due to postage costs, the Office of Student Financial Assistance is not able to mail this form.

The priority date for academic-year assistance is March 1. The FAFSA should be completed as soon as possible after January 1, but no later than March 1; it is submitted to a federal processor, which will send information to the OSFA as long as the student lists IU Bloomington on the form. Additional information concerning other fellowships, scholarships, grants, and loans may be obtained by contacting the OSFA.

Doctoral Fellowship Opportunity The School of Health, Physical Education, and Recreation awards University Fellowships to qualified doctoral students. All new incoming doctoral students, as well as current doctoral students in residence, are considered for this highly competitive fellowship.

Graduate Student Research and Travel Grant-In-Aid Graduate research publication support is viewed by the School of Health, Physical Education, and Recreation faculty as an essential component in an academic environment that encourages undergraduate and graduate students to become actively engaged in research-related activities. The program of financial support for graduate student research in the school is intended to provide support for inquiry (Graduate Student Research Grant-In-Aid) and the dissemination of research results (Graduate Student Travel Grant-In-Aid). Two competitions are held annually with deadlines of November 1 and March 1. Applications and information are available in HPER 115.

Graduate Student Research and Human Subjects University requires that all research using human subjects be approved before the research begins. This satisfies a number of federal, state, and institutional regulations, and more importantly, assures protection of the rights and welfare of persons used in research. Every research proposal submitted by a student and/or faculty member must contain documentation that clearance has been obtained for the use of human subjects. No thesis or dissertation will be accepted for which such clearance has not been obtained. Forms and procedures for this purpose are available in HPER 115.

Academic Regulations The specific degree and certificate requirements that must be fulfilled by each student are those appearing in the current bulletin at the time of matriculation. Course requirements for each of the school’s graduate programs are specified in the following sections of this bulletin.

General Information Advisor Each student will be assigned an academic advisor. The program of each candidate must be planned cooperatively by the student and the advisor, taking into account the student’s educational background and objectives. All phases of the student’s program are subject to the approval of the advisor. (See the section entitled “Doctoral Degrees.”)

Program Requirements/Tab Sheets In the School of Health, Physical Education, and Recreation, the requirements for each degree program are outlined on a tab sheet, available in HPER 115. The tab sheet for each academic program specifies such requirements as total credit hours needed for completion of the degree, courses to be taken, GPA requirements, suggested electives, and other information. These tab sheets are used by students and their academic advisors to guide the selection of courses and monitor progress. Adhering to the requirements specified on the tab sheet is the student’s responsibility. The program requirements in this bulletin are listed in the same order as found on the tab sheets.

Tab sheets are used in conjunction with a Registration Approval Form. Students meet with academic advisors to identify the courses in which they will enroll and then submit the completed registration approval form to the Records Office in HPER 115 to receive the registration ticket. (Additional registration information is available in the Schedule of Classes.)

Grades Quality points are assigned for purposes of determining the cumulative grade point average as follows: A+ or A = 4 credit points; A– = 3.7; B+ = 3.3; B = 3.0; B– = 2.7; C+ = 2.3; C = 2.0; C– = 1.7; D+ = 1.3; D = 1.0; D– = 0.7; F = 0. No points are assigned for grades of I, S, P, or W.

Grade of Incomplete A grade of I (incomplete) is given only when the work of the course is substantially completed and when the student’s work is of passing quality. A student must remove the grade of I within one calendar year from the date of its recording. Only upon appeal to the associate dean for academic program administration is an extension of an Incomplete possible. If the student fails to remove the Incomplete within the time allowed, the Office of the Register will change the grade to an F. Students should not register in a course in which they have a grade of I. Once a student has graduated, an Incomplete may remain on the official record.

These regulations do not apply to research and reading courses in which completion of the course work is not necessarily required at the end of the semester. In these courses, grades of I, S, P, or W may be given. (Withdrawal) A grade of W (Withdrawn) is given automatically when a withdrawal from course work occurs during a specific span of time after the final schedule adjustment period at the beginning of a regular semester or summer session. For the dates of this period consult the Schedule of Classes. Thereafter, a W will be given only if the student is passing on the date of withdrawal and has an illness or employment obligation. If the student is failing on the date of withdrawal or stops attending class without officially withdrawing, a WF (Withdrawn with Failure) will be recorded on that date and will be treated as a failing grade. For further information regarding withdrawal dates and procedures, refer to the Schedule of Classes.

NOTE: Reducing the number of credit hours will affect financial aid status, especially in relation to fellowships, scholarships, fee remissions, graduate work-study, hourly work-study, and scheduled repayment of loans. The details of specific awards should be reviewed before withdrawing to ascertain the effect of a reduction in total credit hours.
Academic Standing
All graduate students are expected to maintain an overall grade point average of at least 3.0. Students whose averages fall below this level will be placed on probation. Master's degree students who have failed to achieve a grade point average of at least 3.0 by the time the credit hour requirements for the degree have been completed will be denied further enrollment. Doctoral students who lack the required minimum average will not be permitted to take the qualifying examinations.

Grades below C will not count toward degree requirements for director's and doctoral degrees. Grades below C– will not count toward degree requirements for master's degrees. However, all grades earned in courses taken for graduate credit will be included in the calculation of the grade point average.

Restrictions on Independent Study
Students whose cumulative grade point average is lower than 3.0 will not be permitted to register for the following independent study research and readings courses or for internships and practicums:
- Kinesiology: K601, K602, K604, K605, K606, K701, K702
- Recreation and Park Administration: R640, R641, R740, R741

Pass/Fail
Course work that is prerequisite to a degree program or that is to be counted toward the total credits required for the degree may not be taken on a Pass/Fail basis. With the written consent of the student's advisor and the associate dean for academic program administration, permission may be given to take other course work under this option.

Transfer of Credit
The evaluation and approval of credit to be transferred is based upon the following:
1. For H.S.D., P.E.D., Re.D., and Ph.D. degrees, course work completed more than seven years prior to successful completion of the qualifying examination is not applicable to the program unless it has been satisfactorily updated. The graduate advisor, after consultation with the advisory committee, may recommend to the associate dean for academic program administration that course work taken prior to the seven-year time limit be revalidated if it can be demonstrated that the knowledge contained in the course(s) remains current. Currency of knowledge may be demonstrated by such accomplishments as (a) passing an examination specifically on the material covered by the course; (b) passing a more advanced course in the same subject area; (c) passing a comprehensive examination in which the student demonstrates substantial knowledge of the content of the course; (d) teaching a comparable course; or (e) publishing scholarly research demonstrating fundamental principles of the course. Each course for which consideration for revalidation is being requested should be justified separately.
2. A minimum grade point average of 3.0 on a 4.0 scale must have been earned in order for the work to be transferred.
3. A maximum of 5 credit hours of graduate work may be transferred from other institutions for application to a master's degree. Exception: Indiana University graduates may transfer up to 10 credit hours from other accredited graduate schools.
4. Credit for transfer course work must be submitted by the advisor on a Request for Transfer of Graduate Credit, HPER 115, for final approval of the associate dean for academic program administration.
5. Any graduate course work to be taken at another institution for the purpose of transfer to an Indiana University program must be approved in advance by the advisor and the associate dean for academic program administration.
6. Director's degree candidates who have not earned their master's degrees at Indiana University may transfer a maximum of 30 approved credit hours from other institutions.
7. Director's degree candidates who have earned a master's degree at Indiana University may transfer a maximum of 10 credit hours beyond the master's degree from other institutions.
8. Not more than 45 credit hours from other approved graduate institutions may be accepted toward the requirements for the Ph.D., P.E.D., Re.D., or H.S.D. A maximum of only 30 credits of such course work may be accepted toward the credits required for the Ph.D. The acceptance and distribution of the transferred credit are determined by the student's advisor committee at the time of the formal course prescription meeting and must be approved by the associate dean for academic program administration.
9. Grades of Pass (P) or Satisfactory (S) cannot be accepted unless there is official documentation from the transferring institution to verify that these grades are equivalent to at least a B on a graduate grading scale.
10. No credit can be transferred for a course that cannot be officially documented as carrying graduate credit.

Work at Other Indiana University Campuses
A student wishing to enroll in degree-related course work at any other Indiana University campus must secure the appropriate forms from the Records Office, HPER 115, prior to registration for such courses.

Time Limitations and Academic Deadlines
Students are responsible for knowing the following time limits and academic deadlines.

Initial Registration
Initial registration for courses must occur within 18 months after the official admission date.

Master's Completion
All requirements for a master's degree must be completed within six calendar years after initial enrollment in course work.

Directorate Completion
All requirements for a directorate must be completed within six calendar years after initial enrollment in course work.

Doctorate Course Work Completion
A student registered in a doctoral program must satisfactorily complete all course work and the qualifying examination within five years after the date of initial registration.

Doctorate Dissertation Completion
The time limit for completion of the doctoral dissertation (including the dissertation defense and submission of the dissertation copies) is seven years from the date of passing the qualifying examination. Requalifying for candidacy is required if the dissertation is not completed within the seven-year period. Failure to meet this requirement will result in the termination of candidacy and of the student's enrollment in the degree program. Any student whose candidacy lapses will be required to apply for reinstatement before further work toward the degree may be formally done. (See all if the section of this bulletin titled "Dissertation.")

Eligibility for Graduation
At least six months prior to the expected date of graduation, candidates must file an Application for Graduation in the Records Office, HPER 115. Candidates for the Ph.D. degree must file a similar application with the University Graduate School, Kirkwood Hall 111. Application blanks are available from those offices. Failure to file this application by the proper time may result in failure to graduate at the expected time. The responsibility for checking degree requirements rests with the student.

Graduation
Doctoral students who wish to participate in the May Commencement exercises must have completed all data collection phase of the dissertation research by the deadline date for filing the graduation application. Arrangements for Commencement regalia will be made with the Indiana Memorial Union Bookstore. Diplomas will be mailed to the permanent address on file at the Office of the Registrar. Allow approximately eight weeks following the date of graduation for the delivery of diplomas.

Residence Requirement
Residence is defined as full-time pursuit of academic course work on the Bloomington campus. In meeting residence requirements students are expected to be on campus in regular contact with faculty and fellow graduate students during the specified time period. A full-time schedule is normally considered to consist of 12 to 15 credit hours of course work. For full-time graduate assistants, research assistants, and associate instructors, 6 credit hours constitute a full-time course load.

A period of full-time residence is not required for students in master's or director's degree programs. However, master's degree students must take a minimum of 25-30 of the required 35-45 credit hours at Indiana University. Doctoral students must be enrolled for a minimum of two consecutive semesters of full-time course work on the Bloomington campus.

Required Graduate Student Meetings
The graduate student is expected to meet regularly with advisory and/or research committees for academic and research advising. In addition to these informal meetings, the following official meetings are required for each of the graduate degrees:
- Master's thesis option students: proposal meeting and thesis defense
- Doctorate thesis option students: course prescription meeting, directorate qualifying examination, proposal meeting, and thesis defense
- Doctorate internship option students: course prescription meeting, directorate qualifying examination, and final internship evaluation

Doctoral students: course prescription meeting, qualifying examination, proposal meeting, and dissertation defense

The proposal meeting and the thesis/dissertation defense are public meetings, open to the academic community.
Those attending these meetings are expected to follow the established protocol. The proposal meeting is open to faculty and students in the university community. During the first portion, the student formally presents the research proposal in an open forum. Committee members and visitors have the opportunity to ask questions. Visitors leave after the formal presentation. The remaining time is determined by the student's research committee.

Information related to all of the required meetings is available in the Graduate Student Academic Information Handbook, HPER 115. NOTE: No meetings can be scheduled during final examination week or vacation periods.

Employment
Persons who are employed full time should carry only 5 to 6 credit hours of graduate course work per semester. Those employed half time should not take more than 9 credit hours. The maximum credit load for associate degree assistants depends on the number of credit hours indicated in the work assignment notice sent at the time of the appointment.

Teacher Certification
Students who wish to teach in Indiana public schools must meet the minimum state licensing requirements and obtain a standard license. More information is available from the certification office in the School of Education, Education 1074, 201 N. Rose Street, Bloomington, IN 47405-1006; phone (812) 856-8511.

Additional course work may be possible depending on the goals and training needs of the student.

Master’s Degrees

Degrees offered by the school include a Master of Science in Applied Health Science, a Master of Science in Kinesiology, a Master of Science in Recreation, and a Master of Public Health. Students pursuing a Master of Science degree may select specific “options” for concentrated study within their major. The Master of Public Health degree prepares students to serve as health educators or health promotion specialists in business, industry, higher education, voluntary agencies, government, and public and private sector health care settings.

Students who want to earn a second master’s or a dual degree in a different department in the school should contact the associate dean for academic program administration. Requirements vary for specific degree combinations. For more information refer to the Student Academnic Information Handbook, available in HPER 121.

Thesis Option

When a student is admitted to the thesis option, a member of the graduate faculty will be appointed to serve as the student's advisor and as the chair of the master's thesis committee. This committee consists of the chair and at least two other faculty members. Information regarding the eligibility of faculty members to serve on the master's thesis committee is available in the Office of Academic Affairs, HPER 121. The chair/advisor will guide all phases of the thesis development. After the thesis topic has been identified, the student must prepare a detailed outline of the research proposal; the outline must then be submitted to the committee for approval. The committee chair is also responsible for the evaluation of the completed thesis.

Before formal approval of the master's thesis proposal by the student’s thesis committee, the proposed research must be presented at a public proposal meeting. Information about and applications for the proposal meeting are available in HPER 115. Approval of the master’s thesis committee by the associate dean for academic program administration is required before the public proposal can be scheduled.

For additional information see “Academic Regulations” in this bulletin and the HPER Graduate Student Academic Information Handbook.

During the first portion of the proposal meeting, the student formally presents the research proposal in an open forum. Committee members and visitors have the opportunity to ask questions. Visitors leave after the formal presentation. The remaining time is determined by the student's research committee.

NOTE: Every proposal must contain documentation that clearance has been obtained for the use of human subjects. No thesis or dissertation will be accepted for which such clearance has not been obtained. Forms and procedures for this purpose are available in HPER 115.

The format and procedures for writing a master's thesis are identical to those for the doctoral dissertation, with the following exceptions: (1) exempt of the study and (2) items submitted upon completion. For more information regarding submission of materials upon completion of the defense of the master’s thesis, contact the Office of Academic Affairs, HPER 121.

Master's students pursuing this option must consult the HPER Graduate Student Academic Information Handbook for information on such topics as format, meetings, and procedures. Candidates must be enrolled during the semester (including summer) in which the thesis is defended.

All requirements for a master's degree must be completed within six calendar years after initial enrollment in course work.

Master of Science Degrees

For a Master of Science degree, students are required to successfully complete a minimum of 35 credit hours, at least 20 credit hours of which must be in the major department (applied health science, kinesiology, or recreation and park administration).

1. Athletic training requires the completion of 27 credit hours in the concentration area. Elective credits must be selected from a pool of approved courses.
2. The Master of Science in Kinesiology with emphasis in clinical exercise physiology requires 45 credit hours of approved course work. Elective credits must be selected from a pool of approved courses.
3. The Master of Public Health degree requires 40 credit hours of approved course work and 30 credit hours in the major.

For students choosing to write a thesis, a minimum of 20 credit hours of approved graduate course work in the major field is required in addition to the 5 credit hours awarded for completion of a satisfactory thesis. The remaining credits are elective selections.

In pursuing a master's degree, students may select one of the options listed in their major department. HPER courses required to fill the requirements for a given option will be counted toward the total 20 credit hours required in the major field. Even though a course from a discipline outside of the school may be required in a given option, it cannot be counted toward the total 20 credit hours required in the major field. Whenever a choice between two courses is permitted in meeting option requirements, the alternative not chosen may be used as an elective. All electives used to meet degree requirements must be approved by the advisor.

A maximum of 6 credit hours in independent study courses (not including internships) may be used to meet degree requirements unless special permission is obtained from the associate dean for academic program administration. A student must have at least a 3.0 grade point average in order to enroll in independent study courses.

Master's Degree—Double Major

A student may decide to complete two majors or areas of emphasis in the same department. All requirements for each program of study must be met. The student must complete a minimum of 15 credit hours from each area and must have a minimum of 45 credit hours combined for the two areas of study.

The student may use courses to satisfy requirements in each major when they are required in each degree program (e.g., T590 and T591), and courses from one major may be used to satisfy elective requirements for the other when an obvious relationship exists. However, such courses may be counted only once for credit.

In all cases, the academic advisor must recommend the use of the course work from the second major, and this must be approved by the associate dean.

Dual Master's Degrees

To be eligible to earn two master’s degrees, the student must be formally admitted by both departments. All requirements for each degree must be met. If the student decides to complete a thesis, the thesis committee shall be comprised of two faculty from the department where the thesis is being completed, and one faculty member from the second major.

The student must complete a minimum of 20 credit hours from each department where the degrees will be awarded, and must have a
minimum of 55 credit hours combined for the two degrees. In many cases it will be possible to use courses taken in one major as part of the other major, especially when the same course is required in both departments, and courses taken in one department may serve as electives for the other degree when it is obvious a close relationship exists. However, such courses may be counted only once for credit.

In all cases, the academic advisor must recommend the use of course work from the second degree and this must be approved by the associate dean for academic program administration.

Applied Health Science Options
Listed below are the courses required within each of the respective options:

**Health Promotion**

**Human Development/Family Studies**
C589, C591, T590, H599 (4-5 cr.) or F598 (3 cr.); at least 6 credits from F543, F546, F554; at least 6 credits from F517, F518, F590, F656; at least 3 credits from F553, F558, F640, F641, H517, H540; remaining credits from elective courses.

**Nutrition Science**
C589, N350, N352, T590, C591 or MATH M466; Specialization 1 (applied science) choose 8-9 credits from N520, N525, N531, N533, N536, N620; Specialization 2 (basic science) requires CHEM C483, CHEM C484, and one from CHEM C318, CHEM C360, CHEM C364, CHEM C380, CHEM C383. Students in either specialization pursuing the thesis option must take H599 and those pursuing the nonthesis option must take N640, N641, or N539.

**Safety Management**
C512, C589, C591, S501, S510, T590; 14 credits to be chosen from C611, E553, H517, S513, S517, S617, S640, S641.

**School and College Health Education**
H500, H510, H580, H591, C589, C591, T590; 6 credits in HPER H-prefix and/or S-prefix courses.

Kinesiology Options
For each of the following emphasis areas, certain core courses or their equivalents are required, depending on individual career goals, and in consultation with an advisor, the student will select additional courses to complete the 35 required credit hours (45 in clinical exercise physiology) in one of the areas listed below (a minimum of 20 credit hours is required in kinesiology).

**Adapted Physical Education**
For students interested in working with handicapped individuals in both school and nonschool settings. Required core courses: A385, K335, T590, T591. Required adapted physical education courses: K524, K532, K583, K585, K591.

**Applied Sport Science**
For students interested in coaching at the high school or college level and/or in the scientific aspects of sports and human performance. Required core courses: K525, K530, K583, K585, K586, K591.

**Athletic Training**
For students interested in certification by the National Athletic Trainer’s Association and athletic training careers in both school and nonschool settings. Admission to the Athletic Training Program is by separate application. Deadline: March 1. Required core courses: A581, A582, A584, A585, A586, A590, A603, K355, T590, T591.

**Athletic Administration/SPORT Management**
For persons interested in careers in organized sport settings that require a background in and understanding of the foundations of sport as well as management and administrative competencies. Required core courses: K501, K505, K514, K515, K516, along with 9 credit hours of foundation courses.

**Exercise Science**

**Social Science of Sport**
For students interested in the study of sport as a social/cultural phenomenon in areas such as history of sport, psychology of sport, or sociology of sport.

**Clinical Exercise Physiology Programs**
For students interested in professional preparation in exercise test technology, exercise prescription, exercise physiology, and program administration for preventive and rehabilitative exercise programs in community, corporate, and hospital settings. An understanding and appreciation of the corporate culture will be developed for individuals emphasizing corporate fitness. Individuals interested in hospital wellness and/or rehabilitation will understand and appreciate the medical management of cardiovascular, lung, and metabolic diseases.

Students enrolled in this program will be trained to work in supporting roles with medical professionals who are trained in the diagnosis and treatment of medical problems.

Completion of this degree is preparation for the following American College of Sports Medicine (ACSM) certificates: (1) Exercise Leader; (2) Health Fitness Instructor; (3) Health Fitness Director; (4) Exercise Test Technologist; (5) Exercise Specialist; or (6) Program Director. (This is a 21-month minimum, 45 credit hour program.) Admission to this program is by separate application. Deadline: March 1. Required core courses: K561, K562, K563, K564, K565, K566, K567, K568, K569, K600, K635, T590; prerequisite: P409, PHYS P431.

**Recreation and Park Administration Options**
Listed below are the courses required within each of the respective options:

**General Administration**
R500, R520, R521, R522, R539 or R599, R580, T590, T591, and T594. Required credits selected in consultation with advisor in accordance with career objectives in public agencies, private/commercial agencies, college unions, and general administration.

**Recreational Sports Administration**
R500, R520, R521, R539 or R599, R570, T590, T591, and T594. Remaining credits from courses approved by advisor.

**Therapeutic Recreation**
R500, R520, R560, R561, R562, R566, R642, T590, and T591. Remaining credits selected in consultation with advisor in accordance with career objectives in clinical and nonclinical settings.

**Outdoor Recreation**
R500, R520, R539 or R599, T590, and T591. Remaining credits selected in consultation with advisor in accordance with general interest or specialization in resource management, outdoor interpretation, and outdoor leadership.

**Master of Public Health Degree**
Each student is required to complete at least 40 credit hours for the degree. All electives for completing the degree must be approved by the advisor.

**Master of Public Health Option**
**Public Health Education**
C589, H500, H594, T590; 23-25 credits from C501, C602, C510, C611, C512, C591, C644 (5-7 cr.); 3-5 credits from C514, C515, C516, C518, C640, H595, or others.

**Director of Recreation Degree**
For students interested in supervisory, administrative, or master teaching positions in the field of recreation.

**Candidates applying for admission should consider this level of graduate study to be a terminal degree.**

**Program of Studies**
A total of 65 hours of approved graduate credit, including 30 credits beyond the master’s degree, 35 credits in the major field, in addition to the 8 credits of thesis or 6-8 credits of internship; and 9 credits outside of the major department. Students who have not earned their master’s degree at Indiana University may transfer a maximum of 10 approved credit hours from other institutions. Students who have not earned a master’s degree at Indiana University may transfer a maximum of 10 approved credit hours from other institutions. A maximum of 10 credit hours earned in “independent study” courses may be counted toward the director’s degree. Specific programs will be planned in conjunction with the Advisory Committee. For a listing of independent study courses, see “Restrictions on Independent Study” under the “Academic Standing” heading earlier in this bulletin.

Independent study courses such as readings, independent study, thesis, and practicum credit hours completed at another institution or as part of the master’s program, may not be counted toward the director’s degree.

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1 For additional information, see “Academic Regulations” in this bulletin.
Directorate Advisory Committee
The student’s advisor (who will serve as chair) and at least one other graduate faculty member will make up the directorate advisory committee. The committee prepares a “prescription of courses” for the program of studies, writes and evaluates the written comprehensive examination, and supervises the thesis or dissertation. Information on the eligibility of faculty members to serve on the directorate advisory committee is available in the Office of Academic Affairs, HPER 121.

The directorate advisory committee will work with the student to prepare the course prescription. It must be approved by the advisor committee and filed in the HPER Office, HPER 115, for approval by the associate dean for academic program administration. This official meeting should occur during the first semester of full-time enrollment. Deficiencies in academic background will be diagnosed by the committee and remedial course work prescribed. In general, such remedial course work cannot be counted as a part of the credit hours required for the degree. Should the advisory committee prescribe requirements for completion of the degree that are not stated in the bulletin, this should be specified in writing as part of the formal course prescription.

Thesis
The candidate is encouraged to pursue a significant study in the major field. Appropriate scientific tools should be used and application should be made of relevant principles and procedures. The conclusions and results should reflect the candidate’s grasp of the study and reveal the complexities, depth, and application of the findings of the investigation. Eight credit hours are given for a satisfactory thesis. NOTE: Every proposal must contain documentation that clearance has been obtained for the use of human subjects. No thesis or dissertation will be accepted for which such clearance has not been obtained. Forms and procedures for this purpose are available in HPER 115.

The format and procedures for writing a director’s thesis are identical to those for the doctoral dissertation, with the following exceptions: (1) a number of copies (two) submitted to the Office of Academic Affairs, HPER 121. Prior to formal approval of the proposal by the student’s director’s committee, the student is required to present the proposed research at a public proposal meeting. Information about and applications for the proposal meeting presentation are available in HPER 115. Approval of the director’s thesis committee is required before the public proposal can be scheduled.

The research proposal meeting is open to faculty and students in the faculty community. During the first portion, the student formally presents the research proposal in an open forum. Committee members and visitors have the opportunity to ask questions. Visitors leave after the formal presentation. The remaining time is determined by the student’s research committee.

After completing all course work, the directorate candidate must enroll each semester for thesis or research credit at the regular fee until graduation. Candidates must be enrolled during the semester (including summer) in which the degree is awarded.

Internship
The internship lets the candidate work under the direct supervision of an experienced professional, gain practical insights into a major area of concentration, and keep up-to-date with new tools and techniques used by the profession. Special care is taken to avoid duplicating previous professional experiences and emphasis is placed on developing and exercising new competencies.

The candidate cannot be employed in a full-time position during the internship. In all probability, the candidate will be required to establish residence in the city of internship. At least 6 and no more than 8 credit hours are given for satisfactory completion of the internship. The advisor must submit the Internship Agreement Form to HPER 115 after consultation with the student, the additional committee members, and the professional field advisor. Normally, only independent study courses can be taken during the period in which the internship is being conducted. Two copies of the intern experience report are to be submitted to the Office of Academic Affairs, HPER 121. A final oral internship evaluation is conducted by the advisory committee following the completion of the internship.

Final Examination
Each candidate for the director’s degree is required to pass a three-hour written comprehensive examination in the major area of study. A final oral examination is conducted by the advisory committee following the completion of the written comprehensive examination. If the advisory committee members concur, the final oral internship evaluation may be combined with the final comprehensive oral examination.

The qualifying examination is scheduled to be held twice during the academic year. If all members of the student’s advisory committee are available, and if approval is obtained from the associate dean for academic program administration, a student may apply to take the qualifying examination during the summer session. A student must file the Application for an Examination with the HPER Office, HPER 115, at least one month prior to the qualifying examination. In order to be eligible to take the qualifying examination, students must be within one course of completing their prescribed program of study and receive the recommendation of their advisor. With the recommendation of a student’s advisory committee and approval from the associate dean of academic program administration, a student who fails the qualifying examination may be allowed to retake the examination once only. All requirements for a directorate must be completed within six calendar years after initial enrollment in course work.

Doctoral Degrees¹
The school is authorized to qualify candidates for the following doctoral degrees: Doctor of Health and Safety (H.S.D.); Doctor of Physical Education (P.E.D.); Doctor of Recreation (Re.D.); and Doctor of Philosophy (Ph.D.) in human performance with options in health behavior, human performance, and leisure behavior. The Ph.D. degree is offered through the University Graduate School but administered by the School of Health, Physical Education, and Recreation.

The H.S.D., P.E.D., and Re.D. programs are for careers in college teaching and research or for a position of administrative leadership in schools or governmental or private agencies. The Ph.D. degree is for work in research on health-related behavior, human physical activity and leisure-related behavior from a variety of perspectives. Currently available specializations include adapted physical education, biomechanics, exercise physiology, health behavior, leisure behavior, motor learning, and motor control, and motor development.

Admission to Doctoral Study
See “Steps for Admission” and “Admission—Doctoral Program” in this bulletin.

¹For additional information, see “Academic Regulations” in this bulletin and the HPER Graduate Student Academic Information Handbook.

General Requirements
Procedures and policies for admission, appointment of advisory committees, and related matters follow the same pattern for all doctoral degrees. Special procedures and requirements unique to the P.E.D., H.S.D., Re.D., or Ph.D. programs are presented in the following sections. (See also “Academic Regulations” in this bulletin and “Steps for Admission.”) All programs are available in the University Graduate School Bulletin. Bulletins are available in the Office of University Graduate School, Kirkwood Hall 111. (See “General Requirements for Advanced Degrees” and the section entitled “Health, Physical Education, and Recreation” in the University Graduate School Bulletin.)

Doctoral Advisory Committee
A member of the graduate faculty will be appointed to chair the student’s doctoral advisory committee. After some familiarity has been established with the courses and faculty, the student will nominate two additional faculty members to represent the major and minor areas on the advisory committee. The committee must include at least one member from outside the major department. Final confirmation of committee representatives is the responsibility of the associate dean for academic program administration.

Information regarding the eligibility of faculty to serve on the doctoral advisory committee is available in the Office of Academic Affairs, HPER 121.

The directorate advisory committee will work with the student to prepare a “prescription of courses” for the program of studies. The prescribed course of studies must be approved by the advisor committee and the associate dean for academic program administration no later than the eighth week of the second semester of full-time enrollment. Deficiencies in academic background will be diagnosed by the committee and remedial course work prescribed. In general, such remedial work cannot be counted toward the credit hours required for the degree. The advisory committee will be responsible for prescribing course work and writing and evaluating qualifying examinations. Requirements for completion of the degree that are not stated in the bulletin must be specified in writing as part of the formal course prescription.

Qualifying Examinations
Before taking the qualifying examination in the major and minor areas, the student must fulfill one of the research skill options listed under “Research Skill Requirement” in this bulletin. The qualifying examinations may be taken when students are within one course of the
Dissertation Research Committee

Upon successful completion of the qualifying examination, the student is admitted to candidacy for the doctoral degree. At this point the responsibilities of the advisory committee have been discharged and that committee is technically disbanded. A new committee—the research committee—must be appointed for the candidate’s dissertation research. In most instances the membership of the research committee is very similar, if not identical, to that of the advisory committee. However, the actual makeup of the committee will be determined by the nature of the research to be pursued and the interests and qualifications of faculty.

Membership on the research committee requires formal nomination and appointment procedures. At least three members are required on H.S.D., P.E.D., and Re.D. committees, although additional members are encouraged when appropriate. The Ph.D. committee must have at least four members. All dissertation research committees must include at least one member from outside the major department. Confirmation of committee representatives is the responsibility of the associate dean for academic program administration. Information regarding the eligibility of faculty to serve on the Dissertation Research Committee is available in the Office of Academic Affairs, HPER 121. It is the responsibility of the student to ensure that the Nomination of Research Committee form is filed in the HPER Records Office.

For a Ph.D. candidate, the membership list of the research committee and a two-page synopsis of the dissertation proposal must be submitted to the University Graduate School at least six months before the defense of the dissertation.

It is expected that all doctoral candidates conduct their dissertation research under the direct supervision of a faculty member in the major department. Under certain circumstances it may be desirable to deviate from this policy. Within very strict limitations, and only with special permission, it may be possible to arrange for a specially qualified faculty member of another department to supervise the dissertation as either director of research or as co-chairperson of the research committee. In every case, however, the chairperson, or the co-chair, of the dissertation research committee must be in the major department.

Enrollment after the Qualifying Examination

After passing the qualifying examinations, a doctoral candidate must enroll each semester for dissertation or research credit at the regular fee until graduation. If the required number of dissertation credits is reached before the dissertation is completed, the candidate must continue to enroll for dissertation or research credits or G901 (a 6 credit hour course with a flat $150 fee). Candidates must be enrolled during the semester (including summer) during which the degree is awarded. NOTE: (1) G901 is not offered during the summer sessions and (2) registration in G901 is restricted to 6 semesters.

In Absentia Enrollment

Doctoral candidates who want to enroll in absentia must notify the Records Office, HPER 115, of the specific course(s) for which they wish to register. Students will be billed by the bursar for the appropriate tuition and fees.

Dissertation

Each candidate must present a satisfactory dissertation in partial fulfillment of the requirements for the doctoral degree. The dissertation permits the candidate to demonstrate creative ability in identifying and treating a significant problem; to collect, analyze, and interpret meaningful data by appropriate research methods; to make valid generalizations based on the findings; and to present the study in acceptable written form. The dissertation should be designed and carried out to make a positive contribution to the knowledge base of the profession. Completion of a dissertation normally requires at least one year of concentrated effort. The proposed dissertation problem is submitted to the chairperson of the candidate’s research committee, together with an outline using an approved prospectus format and including a description of research procedures to be used.

Before the proposal can be submitted to the candidate’s research committee for final approval presentation of the proposal must be made at a public proposal meeting. In planning for this presentation, candidates must follow the procedures stipulated by the associate dean for academic program administration. (Detailed information is available in HPER 115.)

The research proposal meeting is open to faculty and students in the university community. During the first portion, the student formally presents the research proposal in an open forum. Committee members and visitors have the opportunity to ask questions. Visitors leave after the formal presentation. How the remaining time is used is determined by the student’s research committee.

Concluding Activities

After the final examination in defense of the dissertation has been passed and the dissertation has been approved, P.E.D., Re.D., and H.S.D. candidates must submit the following to the Office of Academic Affairs, HPER 121:

- A completed dissertation must be returned to the Office of Academic Affairs, HPER 121.
- A copy of the completed dissertation must be submitted to the Office of Academic Affairs, HPER 121.
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1. Receipt of microfilm fee (and copyright fee if paid) by the student to the bursar.
2. One unbound and two bound copies of the dissertation on 100 percent rag paper. Each of these copies must include a signed acceptance page and a signed 350-word abstract.
3. Two photocopies of the 350-word abstract, one signed and one unsigned (in addition to those included in each copy of the dissertation).
4. Two photocopies of a 200-word abstract (unsigned) for publication in Completed Research in Health, Physical Education, and Recreation.
5. Two photocopies of the title page.
7. Signed University Microfilms International (UMI) Doctoral Dissertation Agreement.

NOTE: Ph.D. candidates must submit only the following to the School of Health, Physical Education, and Recreation, Office of Academic Affairs, HPER 121:

1. A signed University of Oregon microfilm contract.
2. Two signed and one unsigned 350-word abstract, where the fee is paid by the student to the bursar.
3. Two photocopies of the title page.

Ph.D. candidates must submit the following directly to the University Graduate School, Kirkwood Hall 111:

1. One unbound and two bound copies of the dissertation on 100 percent rag paper.
2. One signed and one unsigned 350-word abstract (in addition to those included in each copy of the dissertation).
4. Receipt of microfilm fee (and copyright fee, if paid) by the student to the bursar.
5. An additional photographic copy of the title page.

Unless otherwise specified, all doctoral students should provide the dissertation committee chairperson with a bound copy of the dissertation.

Publication of the Dissertation

At the time candidates are recommended for the degree, they must obtain a UMI Doctoral Dissertation Agreement for microfilming the dissertation. Following are the conditions for publication:

The candidate will submit a 350-word abstract of the dissertation that has been approved by the committee. This abstract will appear in Dissertation Abstracts International, published by University Microfilms, Inc., Ann Arbor, Michigan.

The unbound copy of the candidate’s dissertation will be loaned to University Microfilms International for complete microfilming. The resulting film copies are available for purchase by all who request them. Copyright may be secured if desired. If you indicate on the UMI Doctoral Dissertation Agreement that you wish to have your dissertation copyrighted, UMI will act as an agent with the Library of Congress Copyright Office. This includes the preparation of the application and submission of the required deposit copy of your work, along with the application fee. You will receive the certificate of copyright registration from the Copyright Office approximately four months after your abstract appears in Dissertation Abstracts International.

The unbound copy will be returned by University Microfilms International and forwarded to the University’s Main Library, where it will be bound. The fee for publishing the abstract and for the microfilming is the financial responsibility of the candidate, but the processing procedure will be handled through the Office of Academic Affairs, HPER 121.

Candidates for the Ph.D. must follow guidelines and procedures for completing the dissertation as outlined in the University Graduate School Bulletin.

Final Examination

The final oral examination in defense of the dissertation is a public meeting conducted by the candidate’s committee. An application, along with an approved abstract, for the final examination must be filed at least five weeks prior to the scheduled date of the exam. Failure to meet this deadline will delay the scheduling of the final defense. Formal announcement of the examination (which includes the abstract), with the approval of the committee chair, will be circulated to faculty and students of the school. For Ph.D. candidates, the announcement (including the abstract) will be forwarded to the University Graduate School for distribution to all graduate faculty. It is the candidate’s responsibility to secure the application form from the Records Office, HPER 115, and ensure that it is filed at the appropriate time.

A minimum of four working weeks must be allowed for the committee to examine the dissertation prior to its final defense.

H.S.D., P.E.D., and Re.D. Degrees

Major and Minor Course Work Requirements

In addition to a major field of study, candidates must have one and, if available, two, minors, which may be within the school or in cognate fields outside of the school.

The major will consist of 30 credit hours in a given field. Normally, a minor will consist of not fewer than 15 credit hours in an area approved by the candidate’s advisory committee. Minor areas within the school may be selected in (a) addictive behaviors, (b) health promotion, (c) human development/family studies, (d) human sexuality education, (e) measurement and evaluation, (f) nutrition science, (g) kinesiology, (h) public health education, (i) recreation, (j) safety management, or (k) school and college health education. These minors may also be taken by doctoral students outside the school of HPER. Minors taken outside the school must include a minimum of 15 credit hours of course work unless otherwise specified by the minor department.

Applied Health Science Options for Doctorate Minor

The courses required for the applied health science doctoral minor options are as follows:

Addictive Behaviors

HPER C516, C518, C589; an additional 6 credits in consultation with an advisor.

Health Promotion

HPER C589, H500; 9 additional credits in consultation with an advisor.

Human Development/Family Studies

HPER T590, T592, T594; select 12 credits from F517, F546, F557, F558, F656 in consultation with an advisor.

Human Sexuality Education

HPER C589, H515, H540, H555; 3 additional credits in consultation with an advisor.

Nutrition Science

HPER C589, N530, N532, N640, CHEM C483; also select one from N520, N531, N536, N620.

Public Health Education

HPER C501, C510, C589, C611, H500.

Safety Management

HPER C589; an additional 12 credits in consultation with an advisor.

School and College Health Education

HPER C589, H500; select two courses from H502, H510, H601; an additional 3 credits in consultation with the advisor.

Distribution of Required Credits

Major area, 30 credits minimum

Minor area, 15 credits (or as stipulated by minor department)

Second minor or supporting electives, 15 credits

Dissertation, 15-20 credits

Electives, 15 credits

Total, 90 credits (minimum)

With certain exceptions (Department of Applied Health Science), students may not pursue a minor in the same department in which the major is taken. A minimum of 15 graduate credits (either minor courses or electives) must be taken outside of the major department.

A minimum of 15 credit hours of doctoral dissertation credit is required.

All candidates for H.S.D., P.E.D., and Re.D. degrees must have taken HPER T590, and T592 or their equivalents. Substitutions will be made only with permission of the associate dean for academic program administration. HPER T590 and T592 may not be included in credits required for the major or minor fields, but they may be counted toward total credits required for the degree. T591 or its equivalent, a common prerequisite to higher-level statistics courses, will not count on the course prescription.

Research Skill Requirement

Students may select either of the following options as a means of fulfilling the research skill requirement. This decision is made at the time of the course prescription meeting.

Graduate courses taken to fulfill option requirements generally cannot be counted toward total credits for the degree. Exception: HPER T592 may count toward the 90 required credits but may not be included in the major or minor. A grade point average of at least 3.0 (B) must be earned in courses in the language and research skill options. (See special requirements for the Ph.D. in the “Ph.D.” section of this bulletin.)

Option 1

HPER T592; T691 or T693, and 3 additional credit hours of statistics. Contact the Office of Academic Affairs, HPER 121, for listing of approved classes. (When used in this manner, neither T691 nor T693 may be counted in the credits required for the degree.) At the discretion of the advisory committee, T592 may count toward total hours but not toward major or minor field requirements.

Option II

HPER T592, T691 or T693, and one research skill from the following:
A. Language: Demonstrate reading proficiency in one foreign language, selected from French, German, or Russian, by passing an examination given by the university or by taking two courses in one language designated for graduate students and earning at least a grade of B in each course (6 credits). Foreign students will not be permitted to use their native languages in meeting this requirement. Such students may, however, elect to present English proficiency as the foreign language, which requires a minimum TOEFL score of 550 on the paper-based test, or 213 on the computer-based test.

B. Other appropriate language/research skills that are endorsed by the advisory committee and approved by the associate dean for academic program administration. Some examples of appropriate skill areas are computer science and mathematics.

**Ph.D.**

This degree is offered by the School of Health, Physical Education, and Recreation in conjunction with the University Graduate School. Study in human performance with options in health behavior, human performance, and leisure behavior provides students with a comprehensive understanding of the field of interest and an intimate knowledge of research methodology.

Students seeking the Ph.D. must be familiar with and meet all requirements stipulated in the Indiana University Graduate School Bulletin. These bulletins are available from the University Graduate School, Kirkwood Hall 111. (See “General Requirements for Advanced Degrees” and the section titled “Health, Physical Education, and Recreation” in the University Graduate School Bulletin.)

**Prerequisites**

Although most applicants for the Ph.D. generally have backgrounds in appropriately related fields, the possession of degrees in these fields is not a prerequisite to admission. It should be recognized, however, that applicants with deficiencies in academic backgrounds will be required to take specific courses as prerequisites (or corequisites) to degree course work. Such course work cannot ordinarily be counted toward the credits required for completion of the degree.

**Major and Minor Course Work Requirements**

Requirements totaling a minimum of 90 credits beyond the bachelor’s degree include 30 credits in the major department, at least 15 credits in a cognate field (minor) outside the major department, 15 credits distributed among supportive electives, a substantial amount of course work in statistics and research methodology, and 20-30 credits for the dissertation.

Elective or minor course work must clearly support the development of research competency in the major field. Frequent involvement in research projects (with or without academic credit) is an essential element of the program. Deficiencies in course work must be made up during the first year. The major will consist of appropriate course work prescribed by the doctoral advisory committee.

The pattern of distribution of the total number of minor credit hours is flexible; however, provision must be made for at least one minor (normally 12-15 credit hours) outside the department in which the degree is being earned.

**Distribution of Required Credits**

**Major area, 30 credits minimum**
- Minor, 15 credits
- Supporting electives or second minor, 15 credits minimum
- Dissertation, 20-30 credits
- Electives, 0-10 credits
- Research skills and languages, not counted in total credits

A minimum of 15 graduate credit hours must be completed outside the School of Health, Physical Education, and Recreation, excluding courses taken to complete the tool skills and languages requirement. Total, 90 credits

All Ph.D. students must complete T590 and T591, or their equivalents, as prerequisites to the major work. Credit earned in T590 will not count toward the major or minor, but may be counted toward the total of 90 credits required for the degree.

HPER T591 or its equivalent will not count on the course prescription.

Independent courses such as readings, independent study, thesis, and practicum credit hours completed at another institution or as part of the master’s program, may not be a part of the doctoral course prescription.

**Research Skill Requirement**

A candidate for the Ph.D. degree must select one of the following research skill options. A minimum grade of B (3.0) must be obtained in each course used in meeting this requirement. Credits earned in meeting research skill requirements may not be counted in the total of 90 credits required for the degree.

**Option I** Appropriate research skill courses such as those described below for a total of at least 9 credit hours.
- Advanced statistics courses, typically HPER T592, HPER T691, and HPER T693.
- Engineering (mandatory for biomechanics): one course in each of statics, dynamics, and mechanics of materials. These courses should have the content of standard theoretical courses in engineering. Acceptance of equivalent courses requires support of the student’s advisor and approval of the associate dean of academic program administration.
- Other appropriate research skills that have been endorsed by the doctoral advisory committee and approved by the associate dean for academic program administration.

**Option II** Reading proficiency in the selected foreign language and at least 5 credit hours from the research skill courses described below. Demonstration of reading proficiency is described in Option III.

A. Advanced statistics courses (6 credits). Students typically select two courses from among HPER T592, HPER T691, and HPER T693.

B. Other appropriate research skills that have been endorsed by the doctoral advisory committee and approved by the associate dean for academic program administration. Some examples of other appropriate skill areas are computer science, mathematics, and electronic techniques in physics.

**Option III** Demonstrate reading proficiency in two languages or proficiency in depth (test or two courses) of one foreign language selected from French, German, or Russian. Permission may be sought to substitute another language for this requirement. International students will not be permitted to use their native languages in meeting this requirement. Such students may, however, elect to present English proficiency as the foreign language, which requires a minimum TOEFL score of 550 on the paper-based test, or 213 on the computer-based test. In addition, verification in English proficiency must be obtained from the Indiana University Center for English Language Training, Memorial Hall 330, (812) 855-6457. A special form requesting this action must be obtained from the Records Office, HPER Room 115.
Courses

The courses below represent the total offerings of the School of Health, Physical Education, and Recreation. Courses listed are not necessarily offered annually. Not all courses are offered every semester. The number of credit hours given for a course is indicated in parentheses following the course title. The abbreviation “P” refers to the course prerequisites; “R” means “recommended.” Courses numbered 500 and above are for graduate students only. See “Interdepartmental and Technical Courses” following the departmental course descriptions.

Course prerequisites may originate in other schools of the university. A key to course codes found at the end of this bulletin can direct students to more information about such courses in other school bulletins and the Schedule of Classes.

Applied Health Science

Public Health Education
C317 Topical Seminar in Public Health Education (1-3 cr.) The topical seminars will relate to current issues in the field of public health education. Possible topics for this seminar are aging, environmental health, teenage health problems, health problems of ethnic groups, public health administration, and group dynamics.

C366 Health Problems in the Community (3 cr.) A review of health problems in the community and the community’s response to them including the organization of the health care system. Health problems from every age group are included, as are environmental concerns in the community.

C403 Techniques of Public Health Education (3 cr.) Skill building in health promotion program planning. The course reviews different models of program planning, methods of needs assessment, theories of behavior change, types of community organization, the principles of social marketing, the steps in program implementation, the techniques of evaluation, and the basics of presenting a proposal.

C416 Introduction to Health Counseling (3 cr.) Evaluates recent developments in mental health in relation to their implications for health education. Reviews the role of health educators in supportive listening, crisis intervention, and counseling and referral strategies. Special problem areas include obesity, aging and death, substance abuse, stress and depression, family planning, and disease. Open only to senior dietetics students or with permission of instructor.

C440 Research in Public Health Education (1-3 cr.) Undergraduate research done in the field of public health education under the direction of a faculty member in the department.

C441 Readings in Public Health Education (1-3 cr.) Planned readings and research under the direction of a member of the faculty. Enrollment is limited to seniors or advanced juniors who are majors in the department. Readings proposal must be approved in advance.

C444 Field Experience in Public Health Education (1-10 cr.) Field experience through on-the-job and related opportunities in public health. Students will be assigned to official, primary care, voluntary, and related health agencies offering opportunities for professional development, practical application of skills, and participatory experience for the health educator. Regular critique will be held with supervisors and written progress reports are required.

C501 Program Planning in Public Health Education (3 cr.) Principles of program planning in public health education, including needs assessment, health hazard appraisal, community analysis and organization, selection of program topics, coordination of health education and health promotion activities in school and community settings, audience analysis, task analysis, and the role of evaluation.

C510 Organization and Administration of Public Health Programs (3 cr.) Covers the organizational structure and function of public health programs at the local, state, and federal levels in relation to the current emphases on chronic disease control and health promotion. Official agencies, voluntary agencies, and health-related activities in the private sector are considered.

C512 Environmental Health Science (3 cr.) Components of environmental health and public sanitation programs. Topics include water supply, air and stream pollution, sewage treatment and waste disposal, insect and rodent eradication, energy alternatives, food and drug quality assurance, occupational health, radiological health, and communicable disease control.

C514 Health Education in Occupational Settings (3 cr.) Approaches to developing comprehensive employee health education and health promotion programs in occupational settings; topics include health risk appraisal; program design, implementation, and evaluation; employee health networks; and special instructional methods appropriate for the workplace.

C515 Health Education in Clinical Settings (6 cr.) An extensive study of health education programs in clinical settings, including historical background, recent legislation, health care delivery systems, roles and responsibilities of the educator, patient representation, program planning, and evaluation strategies. Examines instructional techniques and materials and reviews model programs. Field visitations may be required.

C516 Introduction to Health Counseling (3 cr.) Evaluates recent developments in mental health in relation to their implications for health education. Reviews the role of health educators in supportive listening, crisis intervention, and appropriate counseling and referral strategies. Special problem areas include obesity, aging and death, substance abuse, stress and depression, family planning, and diseases.

C517 Workshop in Public Health (1-3 cr.) Interesting topics of relevance to individuals in public health are conducted in workshop fashion under the direction of faculty members. Emphasis on practical application, group involvement, and the use of resource personnel. Specific topics vary; course may be repeated for credit.

C518 The Nature of Addictive Disorders (3 cr.) Theories of addiction including the behavioral/psychological, biological/physiological, social/cultural, and other models. A survey of such problems as youth/adults including drugs, sex, and eating. Study of the Health Belief Model for prevention programming.

C589 Models and Theories of Health Behavior (3 cr.) Selected theoretics and models of health behavior relevant to the practice of health promotion are examined. Students will be expected to determine which theories or models are appropriate for given populations, intervention settings/resources, and health problems. The content will focus on models of individual and interpersonal health behavior.

C591 Public Health Statistics (3 cr.) Emphasis on biostatistical methods, population, mortality, morbidity and mortality rates, ratios, and life tables to public health. An applied approach to the collection, organization, and interpretation of data pertinent to public health and vital statistics. The application of biostatistical methods, population, mortality, morbidity and mortality rates, ratios, and life tables to public health.

C602 Advanced Techniques of Public Health Education (3 cr.) Special techniques of the effective delivery of public health education programs; topics include the selection, development, and utilization of instructional methods and materials; group dynamics and communication skills; media campaigns; and program evaluations.

C611 Epidemiology (3 cr.) A non-medical introduction to the epidemiological methods and procedures utilized in the study of the origin, distribution, and control of disease. Examines chronic and communicable diseases of special concern in public health and discusses the roles of education in disease control.

C617 Seminar in Public Health (1-3 cr.) Contemporary topics in the area of public health are studied under the direction of faculty members with specialized areas of expertise. Specific topics vary; course may be repeated for credit.

C640 Research in Public Health (3-5 cr.) P: Graduate GPA of at least 3.0. Research projects are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and project proposals must be approved in advance.

C641 Readings in Public Health (1-5 cr.) P: Graduate GPA of at least 3.0. Planned readings in specialized areas of professional interest are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and reading proposals must be approved in advance.

C644 Field Experience in Public Health (5-7 cr.) P: Graduate GPA of at least 3.0. Competencies in public health are developed through professional experiences in hospitals, public health departments, voluntary health agencies, or other appropriate settings. Experiences are supervised by a faculty member and must be approved in advance. Periodic progress reports are required, and evaluation is on an S/F basis only.

C717 Advanced Seminar in Public Health (1-3 cr.) P: Graduate GPA of at least 3.0 and advanced graduate student status. Advanced topics in the area of public health are studied under the direction of faculty members with specialized areas of expertise. Specific topics vary; course may be repeated for credit.

C777 Doctoral Seminar in Public Health (1-3 cr.) P: Graduate GPA of at least 3.0 and doctoral student status. Research techniques in public health are reviewed and examples of current and completed research projects and other professional literature are critiqued. Particular attention is given to dissertations being planned or in progress. Only S/F grades given.

School and College Health Education
H160 First Aid and Emergency Care (3 cr.) Lecture and demonstration on first-aid measures for wounds, hemorrhage, burns, exposure, sprains, dislocations, fractures,
unconscious conditions, suffocation, drowning, and poisons, with skill training in all procedures.

H163 Topics in Health (1-3 cr.) Issues of personal, mental, emotional, and physical health discussed. Possible topics are adjusting to college life, understanding and preventing violence in America, among others. May be repeated for credit.

H170 Health and Surviving the College Years (3 cr.) This course covers the health and wellness issues related to a student's transition from high school to college. It focuses on education and prevention issues and includes the following topics: stress, sexuality, safety, substance use and abuse, fitness, nutrition, budgeting, and emotional health.

H172 Interpersonal and Social Issues (3 cr.) Covers world health problems and efforts being made to achieve optimal health for all. Exposes students to health concerns of non-Western and non-dominant cultures. Population dynamics, vital statistics, global disease patterns and analysis of variations among nations, will be considered in analyzing health status of people and communities around the world.

H174 Prevention of Violence in American Society (3 cr.) This course covers various contributors to violence in America with an emphasis on health issues. Personal and environmental factors related to violence are considered within a context of public health. Personal and community violence prevention and reduction approaches are presented.

H180 Stress Prevention and Management (3 cr.) Comprehensive course on stress management. Intended for college students from all fields of study. Applies several stress management techniques including time management, deep breathing, progressive muscular relaxation, yoga, and study skills. To benefit most from class, students must practice stress reduction techniques outside of class.

H205 Introduction to Public and School Health (1 cr.) The purpose of this course is to introduce students to the fields of school and public health. Topics addressed in the course include historical perspectives, practice settings, career opportunities, professional ethics, trends, and current issues. Emphasis will also be placed on the relationship between community and school health.

H220 Death and Dying (3 cr.) Introductory analysis of the dying and death experience with emphasis on the development of a healthy awareness. Topics include processes of dying, needs and care of the dying person, grief, legal and consumer aspects, and children and death.

H263 Personal Health (3 cr.) This survey course provides a theoretical and practical treatment of the concepts of disease prevention and health promotion. Covers such topics as emotional health; aging and death; alcohol, tobacco, and drug abuse; physical fitness; nutrition and dieting; consumer health; chronic and communicable diseases; safety; and environmental health.

H305 Women's Health (3 cr.) Examines the relationship of women to health and health care. Five dimensions of health—physical, mental, emotional, social, and spiritual—provide a framework for comparison and contrast of health concerns unique to women and common to both sexes at all ages. (Spring)

H310 Health Care in Minority Communities (3 cr.) Provides a knowledge base for the consideration of the occurrence and distribution of disease, and the impact of related health policy within minority communities.

H311 Human Diseases and Epidemiology (3 cr.) Studies major communicable and noncommunicable diseases that afflict modern humans, with emphasis on the etiology, epidemiology, preventive measures, and ecology of diseases. (Spring)

H315 Consumer Health (3 cr.) Provides students with (1) a model for making informed consumer health decisions; (2) current information involving informed decisions; (3) mechanisms for continued consumer awareness and protection, i.e., sources of accurate consumer information and lists of consumer information and protection agencies.

H317 Topical Seminar in Health Education (1-3 cr.) The topical seminars will relate to current issues in the field of health education.

H318 Drug Use in American Society (3 cr.) An interdisciplinary approach to the study of drug use in American society. Examines the effects of alcohol, tobacco, and the "illicit" drugs on the physical, mental, and social health of the individuals.


H324 Gerontology: Non-Disciplinary Perspectives (3 cr.) An overview of areas involved in the study of aging focusing on the health, psychological, and social aspects and policy issues. Includes the major theoretical approaches to aging and current research in these areas.

H326 AIDS and Other Sexually Transmitted Diseases (3 cr.) An introductory, nontechnical examination of the biological, medical, social, psychological, and ethical aspects of acquired immunodeficiency syndrome (AIDS), HIV infection, and other sexually transmitted diseases.

H327 Practicum in College Death Education (3 cr.) Examination of death education strategies and leading group discussions for HIPER H220 Death and Dying.

H333 Prevention of Cardiovascular Disease (3 cr.) This course will examine the role of public health and individual lifestyle in the prevention of cardiovascular disease. Emphasis will be placed on relationship between cardiovascular disease and risk factors such as tobacco use, diet, physical inactivity, obesity, hypertension, and diabetes. Knowledge and skills related to the implementation and maintenance of a healthy lifestyle will be presented.

H340 Practicum in College Sex Education (3 cr.) Examination of sexuality education strategies and leading group discussions for HIPER H255 Human Sexuality.

H391 Introduction to Health Statistics (3 cr.) See the course outline for details. A conceptual (not mathematical) approach is utilized in the introduction to Health Statistics. Basic descriptive and inferential statistical techniques used in analyzing and interpreting health-related data are discussed, and introductory public health statistical measures are presented.

H401 Emergency Medical Technician (EMT)—Ambulance I (3 cr.) P: H160; may be repeated for credit if topic differs. Theoretical and practical instruction in emergency medical care. Designed for the entry-level emergency care specialist. Emphasis is placed on treatment of the concepts of disease prevention and health promotion. Covers such topics as emotional health; aging and death; alcohol, tobacco, and drug abuse; physical fitness; nutrition and dieting; consumer health; chronic and communicable diseases; safety; and environmental health.

H418 The Nature of Addictive Disorders (3 cr.) Theories of addiction including the behavioral, psychological, biological, physiological, genetic, medical/disease, multidimensional, social, cultural, and other causal theories. Examines addictions found in youth and adults including alcohol, tobacco, and other drugs and behaviors such as eating disorders, gambling, and workaholism. Use of the Health Belief Model; development of a personal philosophy of addictive behaviors for application in prevention programming.

H440 Research in Health and Safety Education (1-3 cr.) Directed research or study of unsuald problems in health and safety education. May be repeated for credit.

H441 Readings in Health and Safety Education (1-3 cr.) Planned readings in specified areas of professional interest to be conducted under the direction of a faculty sponsor. Enrollment is limited to seniors or advanced juniors who are majors in the department. Reading proposal must be approved in advance.

H454 Travel Study (1-15 cr.) P: Permission of sponsor. Planned study tours of schools and public health programs throughout the United States and selected foreign countries are conducted under the direction of a faculty sponsor. Specific tours vary; course may be repeated for credit.

H460 Practicum in First Aid Instruction (3 cr.) P: Standard first aid certificate or completion of H160. Advanced consideration of first aid subject matter; orientation in methods, techniques, and teaching devices in first aid courses; practical classroom instruction required. Completion of course qualifies one as Standard First Aid and Personal Safety Instructor.

H464 Coordination of School Health Promotion (3 cr.) This course emphasizes knowledge and skills related to the coordination of the eight-component coordinated school health program (CSHP). The components of CSHP include health education, counseling and psychological services, nutrition and food services, family/community involvement, health promotion for faculty and staff, health services, physical education, and the school environment.

H494 Research and Evaluation Methods in Health and Safety (3 cr.) General concepts and foundations of measurement, evaluation, and research; major methods and techniques of research and evaluation. Special emphasis is given to writing small research and grant proposals.

H500 Philosophy and Principles of Health Education (3 cr.) The philosophy and principles that provide the foundation for health and safety education as academic disciplines, including history of the professions, theories of health behavior, principles of learning applied to health communications, diffusion and adoption in health promotion, health promotion, and areas of professional specialization.

H502 Instructional Strategies for Health Education (3 cr.) Application of innovative strategies for the teaching of health education.
Attention is given to conceptualizing instruction, specifying instructional objectives, planning units and lessons, utilizing various instructional methods, selecting and using instructional materials, and evaluating teaching effectiveness.

H510 Organization and Administration of Coordinated School Health Programs (3 cr.) Prerequisites: This course promotes skill development related to the administration of a coordinated approach to school health promotion. Planning, implementation, evaluation, and administration aspects will be addressed relative to all components of the coordinated school health model.

H511 Advanced Emergency Care (3 cr.) Skills required to render advanced first aid and emergency accident and disaster situations. Procedures for personal and family survival in natural or human disasters. Interested students may qualify for instructor certification.

H512 Understanding the Medicated Student/Client (3 cr.) A non-medical introduction for teachers, administrators, agency personnel, and others who work with children or adults on sustaining prescription medications. Examines ways in which medications affect the performance of students or clients. Additional topics include drug actions, interactions, indications, contraindications, and side effects.

H514 Health Education in Elementary and Middle Level Schools (3 cr.) Recommended for students wanting to develop comprehensive health education programs for elementary, junior high, and middle school children are proposed. Topics include assessment of child health needs, health observation and screening, subject matter selection, curriculum planning, and evaluation. Creative teaching through health fairs, health museums, projects, games, simulations, and community involvement is provided.

H515 Human Sexuality Education in Schools (3 cr.) Competencies in human sexuality education are identified for teachers, administrators, nurses, and other school personnel. Specific activities include developing a comprehensive vocabulary in human sexuality education, establishing effective communication skills, and reviewing various educational materials and materials relevant to the teaching of human sexuality.

H517 Workshop in Health Education (1-3 cr.) Interesting topics of relevance to individuals in school and public health related disciplines are conducted in workshop fashion under the direction of faculty members. Emphasizes practical application, group involvement, and the use of resource personnel. Specific topics vary; course may be repeated for credit.

H518 Alcohol and Drug Education (3 cr.) Alcohol and drug abuse in American society are probed in a comprehensive yet practical manner. Physiological, psychological, sociological, theological, and legal dimensions of the issue are explored through lectures, group discussions, guest speakers, and audio-visual presentations. Discusses principles of teaching and counseling in drug education programs.

H519 Contemporary Issues in Health Promotion (3 cr.) Surveys a variety of contemporary issues related to lifestyle and health behavior. Issues may include emotional health, value systems, stress and depression, aging and denial, drug abuse, physical fitness, weight control, consumer health, chronic and communicable diseases, human sexuality, and environmental health.

H520 Death Education (3 cr.) Helps prepare educators and health-related personnel dealing with death education and/or dying and death in the work setting. Educational methodology and materials, helping and supportive strategies, and background content about death and dying.

H521 Consumer Health (3 cr.) Consumer decision-making models, interpretation and assessment of available information related to consumer issues, and identification of consumer awareness and protection resources. Emphasis on the health educator's role in a consumer-based society.

H522 Women's Health (3 cr.) Examines the relationships of women to health and health care, with attention to health concerns unique to women and common to both sexes throughout the life span. Emphasizes current information related to women's health issues and the health educator's role in women's health.

H524 Gerontology: Multidisciplinary Perspectives (3 cr.) An overview of areas in the study of aging, focusing on health, psychological aspects, and policy issues. Includes theoretical approaches to aging and current research in these areas. In-depth literature reviews provide focus and enhanced knowledge of chosen areas. Cross-listed with EDUC PS15. Cannot be repeated as EDUC PS13.

H525 Computer Applications in Health Education (3 cr.) Computer applications specific to health education, with emphasis on computer-assisted instruction development and evaluation, instruction for health promotion and education, budgeting, contract administration, technical specifications, and strategies for locating funding sources. Students prepare and submit a proposal for funding.

H526 AIDS and Other Sexually Transmitted Diseases (3 cr.) In-depth examination of the health and social impact of AIDS and sexually transmitted diseases in the United States and worldwide, with particular attention to theoretical models of individual prevention behavior.

H527 Practicum in College Death Education (0 cr.) Includes the study of death education methodology, preparation of learning activities dealing with death and dying, evaluation of student papers, and leading discussion sections of H520 Death and Dying.

H528 Issues in Substance Abuse (3 cr.) Various drugs including alcohol, sedative-hypnotics, narcotic-anaesthetics, cocaine, xanthesine, hallucinogens, anabolic steroids, and marijuana. Counter, prescription, and other substances causing health problems in our culture are identified and discussed. Emphasis on history, symptoms of use and abuse, and the role of the health educator in prevention and referral.

H530 International Health (3 cr.) Major trends and issues related to international health, including health care systems, nutrition, family planning, distribution and nature of communicable and chronic diseases, and preventive measures in selected countries. Special emphasis on problems that can be prevented through health education programs.

H530 Practicum in College Sex Education (3 cr.) Includes the study of sexuality education methodology, preparation of learning activities dealing with human sexuality, evaluation of student papers, and leading discussion sections of F525 Human Sexuality.

H555 Issues in Human Sexuality and Health (3 cr.) Issues, problems, and scientific concepts of human sexual expression in contemporary society, with particular attention to their relationships to individual health and the development of a healthy sexuality.

H594 Measurement and Evaluation in Health Education (3 cr.) Procedures for planning and conducting evaluations of school and community health education programs. Covers health-related questionnaires, interview, telephone surveys, rating scales, knowledge and attitude instruments, and behavior inventories by health educators. Suggests guidelines for compiling, analyzing, summarizing, and reporting the results of evaluations.

H595 Grants and External Funding in Health Education (3 cr.) Competencies needed to prepare proposals for grants, contracts, and other organizational funding for health promotion, budgeting, contract administration, technical specifications, and strategies for locating funding sources. Students prepare and submit a proposal for funding.

H599 Master's Thesis (cr. arr.)

H601 Curriculum Development in Health Education (3 cr.) The theory and practice of curriculum development in health education, including philosophy and principles of curriculum development; community involvement; scheduling and sequence of health instruction; yearly, unit, and lesson planning; course of study; data-based evaluation strategies; and practical procedures for organizing a curriculum development project.

H615 Seminar in Health Education (1-3 cr.) Contemporary topics in the area of health education are under study by students, faculty members with specialized areas of expertise. Specific topics vary; course may be repeated for credit.

H640 Research in Health Education (1-5 cr.) Prerequisites: Graduate GPA of at least 3.0. Research projects are conducted under the direction of the faculty member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and project proposals must be approved in advance.

H641 Readings in Health Education (1-5 cr.) Prerequisites: Graduate GPA of at least 3.0. Planned readings in specialized areas of professional interest are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and reading proposals must be approved in advance.

H642 Internships in Health Education (1-10 cr.) Prerequisites: Graduate GPA of at least 3.0. Professional internships in school or agency settings are conducted under the direction of a faculty member. Internship experiences must be approved in advance and are available only upon completion of course work for a master's degree. Evaluation is on an S/F basis only.

H643 Practicum in Health Education (1-10 cr.) Prerequisites: Graduate GPA of at least 3.0. Practical learning experiences are completed in appropriate professional settings under the direction of a faculty member. Practicum experiences must be approved in advance. Seminars are held periodically throughout the practicum. Evaluation is on an S/F basis only.

H645 Travel Study (1-10 cr.) Prerequisites: Permission of sponsor. Planned study tours of school and public health programs throughout the United States and selected foreign countries are conducted under the direction of a faculty sponsor. Specific topics vary; course may be repeated for credit. Only S/F grades given.

H717 Advanced Seminar in Health Behavior (3-3 cr.) Prerequisites: Graduate GPA of at least 3.0 and advanced graduate student status. Advanced topics in the area of health behavior are studied under the direction of faculty members with specialized areas of expertise.
Specific topics vary; course may be repeated for credit.
H740 Research in Health Behavior (1-10 cr.)
P: Graduate GPA of at least 3.0 and consent of instructor. Research projects in the area of health behavior are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced doctoral students, and project proposals must be approved in advance.
H741 Readings in Health Behavior (1-10 cr.)
P: Graduate GPA of at least 3.0 and consent of instructor. Scheduled readings in the area of health behavior are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced doctoral students, and reading proposals must be approved in advance.
H777 Doctoral Seminar in Health Education (1-3 cr.)
P: Graduate GPA of at least 3.0 and doctoral student status. Reviews research techniques in health education and critiques examples of current and completed research projects and other professional literature. Particular attention is given to dissertations being planned or in progress. Only S/F grades given.
H790 H.S.D. Dissertation (cr. arr.)
H799 Ph.D. Dissertation (cr. arr.)
Safety Management
S101 Introduction to Safety Science (3 cr.)
Surveys the safety profession and examines the safety movement from a historical perspective. Provides a conceptual overview of specific industries such as traffic safety, recreational safety, and home safety. Discusses requirements and opportunities in the field of hazard control.
S151 Safety Codes and Standards (3 cr.)
General industry codes, standards, and requirements developed as a result of the Occupational Safety and Health Act. Discusses the codes and standards resulting from other safety and health legislative/legislation and those created by other public or private agencies that have an impact on the safety professional.
S201 Introduction to Industrial Hygiene (3 cr.)
The concepts, principles, and techniques in the practice of industrial hygiene are presented. The identification, evaluation, and control of occupational health hazards are discussed. An orientation to selected instrumentation used to assess the workplace is provided.
S202 Fundamentals of Fire Protection (3 cr.)
Reviews fire protection codes and standards, principles, and practices; fire theory, fire-safe design, fire protection systems and equipment, and fire hazards. Emphasis on the life safety aspect of fire protection.
S210 OSHA General Industry Standards (3 cr.)
An introduction and analysis of the Occupational Safety and Health (OSHA) general industry standards as they apply to both the private and federal sectors. Includes an inspection practicum.
S212 Standards for Specific Industries (3 cr.)
P: HPER S151 or S210. An analysis of OSHA standards for specific industries, such as construction, agriculture, and maritime operations.
S230 Safety and Health Concepts in Business and Industry (3 cr.)
An introduction to and review of various administrative programs developed by companies at the basic, intermediate, and corporate levels to enhance the total safety program and to minimize loss.
S231 Safety and Health Concepts in Business and Industry II (3 cr.)
P: HPER S230. A continuation of S230 in which engineering programs are examined and industrial evaluation techniques presented.
S251 Accident Investigation Analysis and Reporting (3 cr.)
P: S 9 cr. of HPER S-courses, including S210 or S230. Introduction and review of accident investigation techniques; methods and requirements for collection, evaluation and reporting of accident data. Interrogation techniques, sources of evidence, and legal aspects.
S317 Topical Seminar in Safety Education (1-3 cr.)
P: Consent of instructor. The topical seminars will relate to current issues in the field of safety education. Possible topics for this seminar are new requirements for controlling hazardous material, the changing legal environment of the safety professional, new techniques in accident investigation, system safety and the safety manager, human factors, and workplace design.
S332 Ergonomics and Human Factors (3 cr.)
P: 12 credits of HPER S-courses, including S210 and S230. The application of ergonomic principles and human factors techniques to the design and evaluation of workplaces and equipment.
S340 Safety and Health Evaluation and Instrumentation (3 cr.)
P: 12 credits of HPER S-courses, including S210 and S230. The selection, use, care, and maintenance of instruments used in the assessment and evaluation of health hazards found in the workplace environment are discussed. Involves practical experience in instrumentation calibration and use.
S345 Safety Program Management (3 cr.)
P: 12 credits of HPER S-courses, including S210 and S230. Principles, theories, and concepts of safety and health program management with comparisons of past, present, and future management practices. Review of managing behavior of individuals, groups, and organizations. Focuses on managing a total safety program.
S350 School and Community Safety (3 cr.)
For school teachers of all grades, principals, and community health educators. Addresses general safety education in the instructional program, program content, and accident causes, highlighting remedial action of importance to school and community education. Laboratory experiences on campus and in the community. For non-Safety majors only.
S401 Hazard Control Engineering (3 cr.)
S410 Advanced Industrial Hygiene (3 cr.)
P: HPER S201 plus 12 credits of HPER S-courses; junior/senior standing. Provides definitive application of principles and concepts for the solutions of workplace health and physical hazards. Program management techniques are discussed. Research procedures and techniques are introduced through individual and group projects.
S415 Safety Education and Training (3 cr.)
P: 15 credits of HPER S-courses; junior/senior standing. Review of procedures to develop, operate, and evaluate safety programs for management and employees. Covers all aspects of safety training (e.g., explosives, occupational safety and health, hazardous materials, and fire). Discusses how a company’s safety training plan can meet federal and state guidelines.
S420 Motor Vehicle and Traffic Safety Engineering (3 cr.)
P: 15 credits of HPER S-courses; junior standing. An introduction to federal and state motor vehicle and traffic safety standards. Addresses motor vehicle operations, inspection programs, roadway design and marking criteria, and traffic safety management. Drivers behavior, vehicle characteristics, and environmental conditions are discussed. Traffic engineering techniques to resolve above problems are presented.
S525 Safety Program Administration (3 cr.)
P: 15 credits of HPER S-courses; junior/senior standing. The concepts, principles, and techniques of effective administration are presented. Focus is on the role of safety professionals. Duties of department, especially hiring, performance evaluation, budgeting, and acquisitions. Office organization and program elements are considered.
S440 Research in Safety Education (1-3 cr.)
Undergraduate research done in the field of safety education under the direction of a faculty member in the department.
S441 Readings in Safety Education (1-3 cr.)
Planned readings in safety education to be conducted under the direction of a member of the faculty. Enrollment is limited to seniors or advanced juniors who are majors in the department. Readings proposal must be approved in advance.
S444 Field Experience in Occupational Safety (1-10 cr.)
Safety majors only; senior standing; consent of instructor. Field experience through on-the-job and related opportunities in occupational safety. Students will be assigned to industrial and occupational enterprises offering professional placement for the safety specialist. Periodic critiques will be scheduled with supervisory personnel. Written progress reports will be required. S/F only.
S501 Program Development in Safety Management (3 cr.)
Program development in safety management is examined, including needs assessment, programming, and evaluation options. Past, present, and future management practices are critiqued and selected safety management models (MBO, Kepner, Tregoe, MORT, Epidemiological, Systems) are analyzed. Adoption of management techniques consistent with current trends in safety risk decision making.
S502 Instructional Strategies for Safety Education (3 cr.)
Approaches to the preparation and delivery of comprehensive instructional programs in safety settings; topics include principles of program organization in safety education, specifying goals and objectives for safety instruction, planning lessons and units of instruction, identifying and utilizing methods and safety resource materials, and evaluating instructional effectiveness.
S510 Organization and Administration of Safety Management Programs (3 cr.)
Guidelines for the organization and administration of comprehensive safety management programs; topics include theories of management and motivation, program planning, staffing, reporting, record keeping, and budgeting procedures. Analyzes management models and administrative functions for programs in schools, colleges, business, industry, and government.

S511 Driver Education and Transportation Safety (3 cr.) Administrative considerations in the planning, implementation, and evaluation of driver education and transportation safety programs. Problem areas include the development of advanced driving skills, road testing, insurance coverage, and the conduct and analysis of transportation surveys. Examines current research literature and areas of research need.

S513 Safety Management in Business and Industry (3 cr.) Principles of safety management applicable to business and industrial settings, including accident causation theories, risk analysis and loss control, learning theories and behavioral factors applied to adult learners, selection of special educational techniques and materials, and program evaluation methods. Case studies, resource personnel, and field visits.

S517 Workshop in Safety Education (1-3 cr.) Interesting topics of relevance to individuals in safety education and related disciplines are discussed in workshop fashion under the direction of faculty members. Emphasis is on practical application, group involvement, and the use of resource personnel. Specific topics vary; course may be repeated for credit.

S617 Seminar in Safety Education (1-3 cr.) Contemporary topics in the area of safety education are studied under the direction of faculty members with specialized areas of expertise. Specific topics vary; course may be repeated for credit.

S640 Research in Safety Education (1-5 cr.) P: Graduate GPA of at least 3.0. Research projects are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and project proposals must be approved in advance.

S641 Readings in Safety Education (1-5 cr.) P: Graduate GPA of at least 3.0. Planned readings in specialized areas of professional interest are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and reading proposals must be approved in advance.

S642 Internships in Safety Education (1-10 cr.) P: Graduate GPA of at least 3.0. Professional internships in appropriate settings are conducted under the direction of a faculty member. Internship experiences must be approved in advance and are available only upon completion of a master's degree. Evaluation is on an S/F basis only.

S643 Practicum in Safety Education (1-10 cr.) P: Graduate GPA of at least 3.0. Practical learning experiences are completed in appropriate professional settings under the direction of a faculty member. Practicum experiences must be approved in advance. Seminars are held periodically throughout the practicum. Evaluation is on an S/F basis only.

S717 Advanced Seminar in Safety Management (1-3 cr.) P: Graduate GPA of at least 3.0 and advanced graduate student status. Advanced topics in the area of safety management are studied under the direction of faculty members with specialized areas of expertise. Specific topics vary; course may be repeated for credit.

S777 Doctoral Seminar in Safety Education (1-3 cr.) P: Graduate GPA of at least 3.0 and doctoral student status. Reviews research techniques in safety education and critiques examples of current and completed research projects and other professional literature. Particular attention is given to dissertations being planned or in progress. Only S/F grades given.

Human Development/Family Studies

F150 Introduction to Life Span Human Development (F430/F440) P: HPER F150, F258, or equivalent. Explores the dynamics of human sexuality: identification and examination of basic issues in human sexuality as relating to the larger society.

F258 Marriage and Family Interaction (3 cr.) Basic personal and social factors influencing the achievement of satisfying marriage and family experiences.

F317 Topical Seminar in Human Development/Family Studies (1-3 cr.) The topical seminars will relate to current issues in the field of human development/family studies.

F341 Effects of Divorce on Children (3 cr.) P: HPER F150 or equivalent. Examples of divorce affecting children. The class focuses on how to minimize these effects. The class includes both in-and out-of-class experiential exercises.

F345 Parent-Child Relations (3 cr.) P: HPER F150, F258, or equivalent. Explores issues associated with parenting, and addresses the reciprocal processes and interdependencies among parents, children, and their multiple environments.

F346 Human Development I—Conception through Early Childhood (3 cr.) P: F150, F258 or, equivalent. Examination of prenatal, infant, preschool development; physical, cognitive, and social-emotional characteristics of development.

F347 Human Development II—Middle Childhood Through Adolescence (3 cr.) P: F150, F258, or equivalent. Examines human development during the school years, or middle childhood, through adolescence. Addresses major concepts and issues concerning development, in the physical, cognitive, psychological, and social domains.

F348 Human Development III—Early, Middle, and Late Adulthood (3 cr.) P: F150, F258, or equivalent. Examination of the development of adults as a dynamic process that continues throughout life, in the biological, cognitive, psychological, and social realms. Emphasizes developmental reciprocity between adults and their multiple environments.

F355 Leading Family Process Discussion Groups (3 cr.) P: HPER F258 with B or better and interview with professor. This course is intended to give students an opportunity, under supervision, to lead a discussion group in family process. Students will guide small group discussion on a variety of family-related topics and assist with various administrative tasks related to that discussion.

F400 Professional Preparation in Human Development/Family Education (Family Studies) (3 cr.) P: Major in Human Development/Family Studies, junior or senior standing, Exploration of professional roles and career opportunities in human development/family studies.

F404 Research in Human Development/Family Studies (1-3 cr.) P: Authorization of instructor. Undergraduate research done in the field of human development/family studies under the direction of a faculty member in the department.

F441 Readings in Human Development/Family Studies (1-3 cr.) P: Authorization of instructor. Readings in human development/family studies to be conducted under the direction of a member of the faculty. Readings proposal must be approved in advance.

F442 Internship in Human Development and Family Studies (3-6 cr.) P: HPER F430; 2.5 overall minimum GPA; junior or senior standing; consent of instructor. Observation and participation in field experience through on-the-job and related opportunities in human development/family studies.

F450 Current Issues in Human Development/Family Studies (3 cr.) P: HPER F150, F258, or equivalent. Examination of current issues relevant to individuals in the field of human development/family studies.

F452 Independent Study in Human Development and Family Studies (3 cr.) P: HPER F150, F258, or equivalent; consent of instructor. An in-depth investigation of some area within human development/family studies.

F454 Conceptual Frameworks in Human Development and Family Studies (3 cr.) P: HPER F150, F258, or equivalent. Conceptual overview and critique of major conceptual frameworks and theories in HD/FS. This course will consider social and historical contexts of conceptual frameworks as well as processes through which they emerge.

F457 Stress and the Family (3 cr.) P: HPER F150, F258, or equivalent; junior or senior standing. Research and theory on family stress. Introduces several theoretical models of family stress process and discusses work on stress. Emphasis on important aspects of the family’s experience of stress, such as social support and coping in a family context.

F458 Family Law and Policy (3 cr.) P: HPER F150, F258, or equivalent. Major aspects of law, legal system, legal processes, and social policy as they relate to family life. Role of the legal system and family policy in the construction, maintenance, and termination of family systems.

F460 Internship in a Family Context (3 cr.) P: HPER F150, F258 or equivalent. Explores the grief process within the context of the family. Grief as it is experienced as a family phenomenon and as an experience of individual family members.
Incorporates human development and addresses grief in a variety of loss situations.

F517 Seminar in Human Development (3-3 cr.) P: varies depending on topic. Analysis and interpretation of various aspects of family study; stresses theoretical and/or empirical formulations with emphasis on critical discussion and evaluation. May be repeated twice for credit. Topics may vary.

F541 Effects of Divorce on Children (3 cr.) In-depth examination of how a parental divorce affects children both in the short term and years later. Particular focus is on how to minimize these effects and on how social attitudes and beliefs influence social policy.

F542 Internship in Human Development/ Family Studies (3 cr.) P: Graduate GPA of at least 3.0. Professional internships in appropriate settings completed under the direction of a faculty member. Internship experiences must be approved in advance. Evaluation is on an S/F basis only.

F543 Family Life Education (3 cr.) Philosophy, principles, assumptions, and history of family life education, with emphasis on theoretically based model of development. Strategies, methods, and resources for developing curricula to address contemporary family life.

F546 Issues in Human Development/Family Studies (3 cr.) P: Consent of instructor. Other prerequisites, depending on topic. Interrelatedness of different aspects of growth and development; review, discussion, and evaluation of current trends and issues in human development and family studies. Topic may vary.

F551 Introduction to Marriage Counseling (3 cr.) P: Consent of instructor. Introduction to basic theories of marriage counseling; survey of techniques and methods of marriage counseling.

F553 Teaching Sex Education (3 cr.) P: F255 or equivalent and consent of instructor. Philosophy, content, methods, resources, and evaluation for teaching sex education. Emphasis on the teaching of sex education.

F554 Conceptual Frameworks in Human Development/Family Studies (3 cr.) Critical examination and survey of major HD/FS theories and conceptual frameworks. Integrative analysis of the way contemporary research and practices are informed by theoretical bases. Addresses the interplay between basic tenets of theories/conceptual frameworks and the sociohistorical context in which they developed.

F555 Leading Family Process Discussion Groups (3 cr.) P: 3 credit hours of social science course work and interview with professor. Students will lead psycho-educational discussion groups in family process including family influences, communication, intimacy, parent-child relationships, loss, and divorce. Students will also be required to assist with various administrative tasks related to that discussion.

F556 Families and Health (3 cr.) The interface between the family and health systems. Explores relationship between family functions and interpretation of aspects of health and health care of family members. Emphasis on students’ understanding of ways of using the strengths and overcoming the weaknesses of family systems in influencing health behavior.

F557 Stress and the Family (3 cr.) P: F150, F258, or equivalent. Research and theory on family stress. Discussion of models of family stress process and stress on an individual family member’s experience. Emphasis on important aspects of the family stress such as social support, meaning construction, and coping in a family context. Includes implication for intervention.

F558 Workshop in Human Development/ Family Studies (3 cr.) P: HPER F150 or equivalent or consent of instructor. Topics of relevance to individuals in HD/FS and related disciplines are discussed in workshop fashion under direction of faculty. Emphasis on practical application, group involvement, and use of resource personnel. Topics vary; course may be repeated for credit.

F559 Special Problems: Human Development/ Family Studies (1-3 cr.) P: Consent of department. Independent work on problems of special interest to student. May be repeated for a maximum of 6 credits.

F560 Grief in a Family Context (3 cr.) P: 6 credit hours of social science courses. Explores the grief process within a family context. Includes emotional, psychological, somatic, social, and spiritual aspects of grief. Addresses influence of family on individual grief. Incorporates human development as well as family process. Includes implications for practitioners.

F640 Research in Human Development/ Family Studies (1-5 cr.) P: Graduate GPA of at least 3.0. Research projects are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and project proposals must be approved in advance. May be repeated with permission.

F641 Readings in Human Development/ Family Studies (1-5 cr.) P: Graduate GPA of at least 3.0. Planned readings in specialized areas of professional interest are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and reading proposal must be approved in advance. May be repeated with permission.

Nutrition Science/Dietetics

N120 Introduction to Foods (3 cr.) Chemical and physical properties of food that influence food selection, handling, preservation, and preparation; menu planning, meal management. Laboratory weekly.

N220 Nutrition for Health (3 cr.) Introduction to nutrients, their uses, and food sources. Application of principles to diets for general health; review of popular topics in nutrition. Not for students in dietetics or nutrition science.

N231 Human Nutrition (3 cr.) P: CHEM C100 or equivalent and BIOL L100. Basic principles of nutrition, with emphasis on identification, functions, and food sources of nutrients required by individuals for optimum health and development. Rationale for dietary modifications in conditions related to the life cycle and to disease. Credit for only one of N220, N231.

N317 Topical Seminar in Nutrition/Dietetics (1-3 cr.) The topical seminars relate to current issues in the field of nutrition/dietetics. Possible topics for this seminar are weight reduction and fad diets, food additives, diet and human performance (diet for the athlete), vegetarianism, child nutrition, diet for senior citizens, diet and disease relationships.

N320 Food Chemistry (3 cr.) P: N120; CHEM C106 or equivalents. R: A course in organic chemistry. Advanced study of the chemical and physical properties of food as related to use, quality, and preparation. New food products, composition, and food technologies. Two and-a-half hours of lecture weekly.

N321 Quantity Food Purchasing and Production (4 cr.) P: N120. Principles of menu planning, equipment selection, purchasing, food production, and cost control in institutions. Two hours lecture, six hours laboratory weekly. (Fall)

N322 Food Service Systems (2 cr.) Organization, personnel management, and administration in food service systems. Food service systems: theory and practice. Two hours lecture.[Spring]

N325 Food Chemistry Laboratory (2 cr.) Must be taken concurrently with N320. Application of principles and experimental procedures in food chemistry. Four hours laboratory weekly.

N331 Life Cycle Nutrition (3 cr.) Examines overall nutrition of life cycle: pregnancy, lactation, infancy, childhood, adolescence, adults, and the elderly. Focuses on nutritional status and nutrient requirements as well as physiological changes in body function for all ages. Discusses special nutrition problems in each stage and contemporary nutritional issues.

N336 Community Nutrition (3 cr.) P: N231 or equivalent. Functions and effectiveness of various community programs designed to improve the diets of people. Emphasis on the diet literature of dietary studies and nutrition education. Emphasis on topics of current interest. (Fall)

N430 Advanced Nutrition I (3 cr.) P: N331 or N431; BIOL L330; and CHEM C341 or consent of department. Functions of nutrients in human metabolism; evaluation and fulfillment of nutritional needs; current literature. Emphasis on the energy nutrients: protein, carbohydrates, and energy.

N431 Medical Nutrition Therapy (3 cr.) P: N231; PSYH L121; ANAT A215; junior class standing. R: CLS C150. Dietary modifications for therapy in metabolic and pathological disorders with allowance for cultural patterns. (Spring)

N432 Advanced Nutrition II (3 cr.) P: N430 or consent of department. A continuation of N430. Nonenergy nutrients: water, vitamins, minerals, and as a focus, nutritional status.

N433 Medical Nutrition Therapy Application (2 cr.) P or concurrent: N431. Application of principles of dietetics in the diet study management and through designing and preparing modified diets. Cumulative experience of designing, following, and reporting on a modified diet.

N440 Research in Nutrition/Dietetics (1-3 cr.) Undergraduate research in the field of nutrition/dietetics under the direction of a faculty member in the department.

N441 Readings in Nutrition/Dietetics (1-3 cr.) Planned readings in nutrition/dietetics may be conducted under the direction of a member of the faculty. Enrollment is limited to seniors or advanced juniors who are majors in the department. Reading proposal must be approved in advance.

N444 Field Experience in Nutrition/Dietetics (1-3 cr.) Field experience through on-the-job and related opportunities in nutrition/dietetics. Regular critique will be held with supervisors; written progress reports are required.

N520 Food Chemistry (3 cr.) P: CHEM C106 or equivalent. R: CHEM C341. Advanced study in the chemical and physical properties of food as related to use, quality, and preparation. Students will conduct laboratory research to prepare a critical review of selected topics in novel areas of food chemistry and technology.

N525 Food Chemistry Laboratory (3 cr.) Must be taken concurrently with N520. Application of principles and experimental procedures in food chemistry. Students will design and conduct an independent research project in...
food science in addition to weekly topical group laboratory experiments. N530 Advanced Human Nutrition (4 cr.) P: N536, B4TH/ENGR B4TH, CHEM C341, or consent of department. Functions of nutrients in human metabolism, evaluation and fulfillment of nutritional needs, and review of current literature.

N531 Medical Nutrition Therapy (3 cr.) P: N531 and PHYS P215, or equivalents. Emphasis on the physiology, etiology, and dietary intervention in various diseased states. Includes in-depth analysis and reporting of a disease state and the role of diet and clinical research in its management.

N532 Nutritional Assessment and Analysis (3 cr.) P: N530. Gives students experience in following a prescribed diet, biological sample collection, laboratory analytical procedures, and data interpretation.


N536 Community Nutrition (3 cr.) Historical and contemporary nutritional surveys reflecting the nutritional programs. Community diagnosis, program planning, goal setting, formulating objectives, describing targets, evaluation, and educational methods. Student prepares and delivers one nutrition program to the community.

N539 Special Problems: Nutrition and Food Science (3 cr.) P: Consent of department. Independent work on problems of special interest. Topic may vary.

N617 Seminar in Nutrition Science (1-3 cr.) Contemporary topics in the area of nutrition science are studied under the direction of faculty members with specialized areas of expertise. Specific topics vary; course may be repeated for credit.

N620 Nutrition in Sports (3 cr.) P: N231 and PHYS P215, or equivalents. The role of nutrition in athletic performance, especially the effects of various nutrition practices during training, competition, and recovery. Current concepts and controversies.

N640 Research in Nutrition Science (1-5 cr.) P: Graduate GPA of at least 3.0. Research projects are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and project proposals must be approved in advance. May be repeated with permission.

N641 Readings in Nutrition Science (1-5 cr.) P: Graduate GPA of at least 3.0. Planned readings in specialized areas of professional interest are conducted under the direction of a member of the graduate teaching faculty. Enrollment is limited to advanced graduate students, and reading proposals must be approved in advance. May be repeated with permission.

Kinesiology

Professional Program

Athletics

A270 Preceptorial in Athletic Training (1 cr.) Introductory course for students admitted in the athletic training major. Clinical hours and education are emphasized.

A281 Recognition and Evaluation of Athletic Injuries (3 cr.) P: H160, P280. Educates the student athletic trainer in principles and procedures of soft tissue evaluation of all major anatomic sites. Includes skill development in special tests for assessing musculoskeletal trauma.

A282 Strapping and Bandaging Techniques in Athletic Training (2 cr.) Advanced course in the recognition of injuries and their need for support and bandaging. Lecture and demonstration of emergency procedures as well as general strapping and bandaging.

A283 Soft Tissue Evaluation (2 cr.) Advanced course in soft tissue evaluation of athletic injuries. Lecture, demonstration, and practice in palpation and other evaluative techniques are utilized.

A361 Coaching of Football (2 cr.) Fundamentals of offensive and defensive line and backfield play; technique of forward passing; outstanding rules; offensive plays; most frequently used defenses.

A362 Coaching of Basketball (2 cr.) Fundamentals of basket shooting, passing, ball handling, and teamwork; patterns against man-to-man defense, zone defense, and zone pressure defense—full court and half court. Strategy of playing regular season and tournament play. Lecture and practical coaching.

A363 Coaching of Baseball (2 cr.) Fundamentals of pitching, catching, batting, base running, infield and outfield play, offensive and defensive strategy; organization and management.

A364 Coaching of Track and Field (2 cr.) Fundamental procedures in conditioning and training for cross country, track, and field. Gives basic understanding of each event’s coaching strategy and coaching psychology. Home meet organization and management.

A366 Coaching of Gymnastics (2 cr.) Practical and theoretical experiences in gymnastics: students participate in performance of skills in the gym and in class discussion sessions which include dealing with conducting of meets, organizing workouts, ordering equipment, officiating, history and development of gymnastics, governing bodies, and psychology of coaching.

A367 Coaching of Swimming and Diving (2 cr.) P: WSI Certificate or consent of instructor. Theory and methods of coaching swimming and diving, covering technical, administrative, and organizational aspects of the process. Emphasis on fundamentals, conditioning, and coaching psychology.

A368 Coaching of Tennis (2 cr.) Theory and methods of coaching tennis, covering technical, administrative, and organizational aspects of the process. Emphasis on fundamentals, tactics, conditioning, and conduct of practice sessions.

A369 Coaching of Golf (2 cr.) Theory and methods of coaching golf, covering technical, administrative, and organizational aspects of the process. Emphasis on fundamentals, tactics, conditioning, and conduct of practice sessions.

A370 Coaching of Soccer (2 cr.) Theory and methods of coaching soccer, covering technical, administrative, and organizational aspects of the process. Emphasis on execution of advanced skills and team offense and defense patterns, conditioning the player, and organizing practice sessions.

A371 Coaching of Volleyball (2 cr.) Theory and methods of coaching volleyball, covering technical, administrative, and organizational aspects of the process. Emphasis on execution of advanced skills and team offense and defense patterns, conditioning the player, and organizing practice sessions.

A381-A382 Laboratory Practice in Athletic Training I-II (2-2 cr.) Laboratory hours are assigned so that students have an opportunity to practice athletic training skills during all sports seasons. Direct supervision and guidance provided by the athletic team physician and the athletic training staff.

A383 Principles and Techniques of Therapeutic Modalities (3 cr.) Principles and physiological principles behind the use of therapeutic modalities selected to treat the injured physically active person. The class includes lecture, demonstration, and laboratory experience in the application of therapeutic modalities.

A384 Principles and Techniques of Therapeutic Exercise (3 cr.) Principles in the use of therapeutic exercise techniques to treat the injured physically active person to facilitate enhanced recovery and safe return to activity. Lecture, demonstration and laboratory experience in the principles of therapeutic exercise.

A386 Emergency Management of Athletic Injury/Illness (3 cr.) An advanced program dealing with the acute phase of injury and illness. Included will be field evaluation of medical emergencies such as trauma, drowning or circulation, shock, concussion, and musculoskeletal trauma. Identification of injury and illness and treatment to be employed in the sports medicine setting.

A481 Practicum in Athletic Training (2 cr.) Opportunities for internships at outside of the campus. Students will have the opportunity for experience and clinical practice in athletic training.

A483 Principles of Sports Officiating (1 cr.) Topics include such sports as swimming, basketball, volleyball, and gymnastics. Ethics of sport officiating; mastery, interpretation, and application of rules. Laboratory and classroom experiences. Course may be repeated.

A484 Interscholastic Athletic Programs (2 cr.) An overview of the operation of athletic programs in the schools for men and women. Administrative structure on national and state levels. Policies and procedures as they pertain to budget, facilities, eligibility, contest regulations, safety, and current trends.

A490 Organization and Administration of Athletic Training (2 cr.) Aligns and defines the importance of the administration role in athletic training. Lectures and reports cover bookkeeping, budget management, athletic medical records, drug testing, and legal aspects of sports medicine.

A491 Senior Seminar in Athletic Training (1 cr.) Designed to assimilate all previous experience of the student athletic trainers as well as prepare them for the National Athletic Trainer’s Association Certification Exam. Practical job-related skills with which the athletic trainer will be confronted will be addressed in this class.

A581 Principles and Practices in Athletic Training (3 cr.) Organization, administration, and functions of athletic training programs. Laboratory experiences related to various techniques in conditioning and bandaging.
A582 Problems in Athletic Training (3 cr.) Study of the various problems confronting an athletic trainer. These experiences are derived through lectures, demonstrations, and discussions with authorities (including physicians and lawyers) in the areas of concern.

A584 Administration of Athletic Training (3 cr.) Provides classroom and practical experience in developing pre-athletic physical examinations; athletic training responsibilities as viewed by the administrator of athletic programs; and examination requirements; and cardiopulmonary resuscitation.

A585 Rehabilitation and Conditioning of Athletes (3 cr.) Emphasis on the administrative background necessary for understanding, planning, and conducting conditioning and rehabilitation programs for athletes; procedures, methods, and factors for developing such programs.

A586 Athletic Training Principles for Therapeutic Modalities (3 cr.) Physical and chemical properties of hydro- and electrophoresis with an emphasis on the physiological and anatomical principles, techniques, and legal aspects of application.

A587 Athletic Training Principles for the Lower Extremity (3 cr.) Evaluation and advanced injuries to the lower extremity including, but not limited to, the foot, ankle, knee, hip, and sacroiliac joints. Assessment of gait, orthotic construction, and surgical procedures needed to correct severe injuries. Relevant orthopedic controversies concerning injury management.

A603 Practicum in Athletic Training (cr. arr.) P: Graduate GPA of at least 3.0; athletic training emphasis. Practical field experience under supervision; seminar sessions. Only S/F grades given. May be repeated.

A605 Structural Kinesiology (3 cr.) Overview of basic human body structures and functions appropriate for beginning students in physical education. Fundamental concepts concerning the interaction of biological and mechanical aspects of the musculoskeletal and neuromuscular structures. Emphasis on practical application to study and teaching of skilled human movement.

P212 Introduction to Exercise Science (3 cr.) An introduction to the science of exercise and human movement. Special topics in exercise physiology, sport biomechanics, sports medicine, and motor integration.

P214 Basic Methods of Teaching Physical Education (3 cr.) P: P140, P141, and admission to PETE program. Introduction to teaching methods in physical education including writing goals, objectives, and lesson plans; peer teaching; self-evaluation of teaching; teaching and learning styles and assessment. Includes observation and teaching experiences.

P216 Current Concepts in Physical Fitness (3 cr.) Introduction to physical fitness and the role of exercise in health and wellness. Understanding the concepts, principles, and guidelines for fitness exercise and related activities. Use of physical fitness assessment data to plan and carry out a personal fitness program.

P217 Methods of Fitness Exercise Instruction (3 cr.) P: Non-HPER major: participation in group exercise for two years and consent of instructor. HPER major: P216. Teaching and evaluating a variety of group exercise sessions, including water exercise, slide, bench exercise, circuit training, and use of resistance equipment. Participation and practical application of knowledge.

P220 Foundations of Racquet Sports (2 cr.) Instruction in fundamental skills of badminton and squash, including scoring rules, terminology, strategies, and etiquette. Introduction in teaching progressions, class organization, analysis of performance, and exercise correction. Applies to sport skills fundamental to all racquet sports (racquetball, squash, tennis, paddleball, badminton); emphasis on lead-up games.

P222 Teaching of Developmental Gymnastics (3 cr.) Teaching of gymnastics, with a focus on elementary, middle school, and junior high school children, using developmentally appropriate gymnastic activities. Instruction and analysis of skills and skill progressions in unit planning, error analysis, and correction.

P223 Teaching Stunts, Tumbling and Apparatus (2 cr.) Instruction and analysis of skills in stunts, tumbling and gymnastics, apparatus, and nontraditional elementary basic skills. Both performance and teaching techniques are stressed.

P224 Teaching of Dance Activities (2 cr.) Methods and materials of folk, square, social, and modern dance. Terminology, fundamental skills, selection, and presentation of dances. Emphasis on planning dance units and teaching of dances. Fundamentals of locomotor and nonlocomotor skills as well as experiences in creative movement activities. Instruction in rhythmic movement progressions and development of materials for units.

P280 Principles of Athletic Training and Emergency Care (2 cr.) An introduction to the principles of injury prevention. Lecture and demonstration of emergency measures to treat, for example, fractures, sprains, dislocations, and spinal injuries. Skill training in bandaging, strapping, splinting techniques.

P290 Movement Experiences for Preschool and Elementary School Children (2 cr.) Covers potential outcomes of preschool and elementary school motor development programs, how to implement such programs, and appropriate movement experiences for young children. Allows observation and teaching of young children in a structured gymnasium setting.

P313 Tools of Learning (1 cr.) P: P214. Methods and materials of cooperative, low-level, and lead-up games and activities and recreational, leisure, and adventuring challenge activities. Emphasis on use of such activities in developing and teaching units for all age groups.

P316 Theories of Advanced Conditioning (2 cr.) P: P216. Practical application of conditioning and physical training theory to teaching and coaching of sport and fitness activities using track and field as a model. Physiological aspects of physical training; biomechanical analysis of skills, skill progressions, and teaching techniques. Discusses interval, circuit, plyometric, and Farlek training.

P317 Strength Training (2 cr.) Teaching and training methods, analysis of correct training techniques and error detection, and the physical adaptations related to strength and power training. Discusses how to design a comprehensive long-term training program based on the scientific foundations.

P318 Management of the Sport Enterprise (3 cr.) An introduction to management theory as it relates to sport delivery systems. Includes the study of organizational structure, leadership, motivation, ethics, and decision making. Application of theoretical material to managerial function of sport delivery organizations.

P320 Foundations of Team Activities I (2 cr.) Development of physical skills and teaching techniques of soccer and volleyball. Analysis of skills, progressions, drills, and unit planning skills.

P323 Teaching Individual and Dual Activities (2 cr.) P: P214. Teaching of a variety of individual and dual sports, games, and activities for K-12. Analysis of skills, progressions, error analysis and correction, teaching techniques, unit planning, skill assessment, and evaluation and teaching experiences.

P324 Recreational Sports Programming (3 cr.) Overview of the programmatic elements and techniques that currently exist in recreational sports, including informal, intramural, club, and extramural programming; value and benefits of recreational sports; programming techniques; publicity and promotion; facility utilization; equipment concerns; safety; liability; and program observation.

P325 Teaching of Team Sports (2 cr.) P: P214. Teaching of a variety of team sports, games, and activities for K-12. Analysis of skills, progressions, error analysis and correction, teaching techniques, unit planning, skill assessment, and evaluation and teaching experiences.
P326 Lifeguard Training and Water Safety Instructor (3 cr.) P: Advanced swimming proficiency and 17 years of age. Instruction and analysis of swimming and life saving skills. Teaching methods and organizational techniques for all levels of swimming. Qualifying students receive the A.R.C. WSI Certification.

P327 Administration, Maintenance, and Construction of Aquatic Facilities (3 cr.) Information in pool management, maintenance, and construction, with emphasis on the need for information and construction techniques.

P333 Sport in America: Historical Perspectives (3 cr.) Study of the evolution of sport from the birth of the United States to the larger context of historical developments in society; women’s sport experiences in relation to the development of sport; examination of sport as a reflection of American culture from the founding of the colonies to the present.

P334 Cultural Diversity in American Sport (3 cr.) Examination of the historical and contemporary experiences and accomplishments of black athletes. Investigation of the impact of sociological variables on their social and athletic participation.

P340 Foundations of Team Activities II (2 cr.) Developmental skills and teaching techniques of basketball and softball. Analysis of skills, progressions, and unit plans.

P391 Biomechanics (3 cr.) An introduction to the mechanics of human motion. Includes linear and angular forces and kinematics in the context of human motion; mechanics of fluids; mechanics of muscles; analysis of selected sports activities.

P392 Sport in American Society (3 cr.) An introduction to sport sociology, in which students critically examine American sport from a social context and analyze the interrelationship between sport and American culture. Lectures, discussions, videos, guest speakers, and investigative analyses.

P395 Practicum in Preschool and Elementary Physical Education (2 cr.) Supervised teaching experiences in physical education with preschool and elementary school children. Course may be repeated.

P398 Adapted Physical Education I (3 cr.) Study of conditions that require physical education programs to be adapted to the special needs of individuals. Principles and practices in the application of exercise and activities for persons with specific disabling conditions.

P399 Practicum in Adapted Physical Education (1-2 cr.) P: P398. A practical learning experience in adapted physical education with disabled children. Course may be repeated.

P401 Adapted Physical Education II (3 cr.) P: P391, ANAT A215. Study of deviations from normal patterns of growth and development. Includes methods of recognizing physical divergencies, screening and referral for further examination, and adapting exercise and activities for prevention and correction of deviations.

P405 Introduction to Sport Psychology (3 cr.) An overview of the field, including psychological aspects of sport, performance, coaching, and the relationship of exercise with mental health. Various theoretical orientations will be addressed with an emphasis on empirical research.

P409 Basic Physiology of Exercise (3 cr.) P: PHSL P215 or equivalent. A survey of human physiology parameters as related to physical exercise and work and the development of physiological fitness factors. Physiological foundations will be considered. Not available for graduate credit.

P411 Legal Issues in Sport Settings (3 cr.) P: BUS L201. An introduction to legal principles involved in sport, such as torts, ownership and racewalking, negligence, and product liability. Covers constitutional law issues, particularly as they relate to athletic eligibility, athletes’ rights, sex discrimination, and drug testing. Discussion of sport contracts.

P414 Professional Seminar in Physical Education (2 cr.) P: EDUC M314. C: M456. Seminar for senior students in PETE. History and philosophy of physical education as it affects curriculum, grading, professional development, public relations, and other critical issues in teaching of physical education. Portfolio completion and exit interview.

P415 Sport Promotions and Public Relations (3 cr.) An introduction to the theories and techniques of sport promotions, public relations, and fund raising.

P416 Corporate Fitness (3 cr.) P: P409. An overview of preventive and rehabilitative exercise programs, including types of programs, scope and philosophies of programs, and program offerings. An introduction to health/fitness evaluation, exercise prescription, and exercise leadership.

P418 Sport Marketing (3 cr.) P: P211 and BUS M300 or M301. Examination of the elements of the marketing mix as they pertain to the sport enterprise. Also includes the coverage of decision making and planning from the sport manager’s perspective and the impact of corporate sponsorship on the delivery of sport.

P419 Fitness Testing and Programming (3 cr.) P: P409. Provides a knowledge base and practical experiences in fitness testing, assessment, and exercise programming. Emphasis in pool management, product liability. Covers constitutional law issues, particularly as they relate to athletic eligibility, athletes’ rights, sex discrimination, and drug testing. Discussion of sport contracts.

P427 Administration, Maintenance, and Construction of Aquatic Facilities (3 cr.) The administration, maintenance, and construction of swimming pools and waterfront facilities with emphasis on the latest design and maintenance information.

P428 Strategic Management in the Sport Industry (3 cr.) An introduction to the basic financial and managerial accounting concepts necessary to better understand the sport industry. Examination of the various means for financing sport organizations.

P429 Practicum in Sport Management and Marketing (3 cr.) P: P409. The advanced theory and practical experiences in fitness testing, assessment, and exercise programming. Emphasis in pool management, product liability. Covers constitutional law issues, particularly as they relate to athletic eligibility, athletes’ rights, sex discrimination, and drug testing. Discussion of sport contracts.


P449 Internship in Sport Marketing and Management (cr. arr.) A field learning experience for sport management majors. Only S/F grades given.

P450 Organizational and Psychological Foundations of Coaching (cr. arr.) Psychological and organizational concepts, theories, and principles applicable to sport and athletic coaching. Helps the potential coaches develop conceptual skills necessary for administrative skills, and interpersonal or human skills. Class lectures are supplemented by analyses of coaching situations through observation and case studies.

P452 Motor Learning (3 cr.) P: P205 or ANAT A215, PHSL P215, PSY P101, or consent of instructor. Open to juniors and seniors only. An examination of factors that affect the acquisition and performance of motor skills. Topics include perception, psychomotor learning, practice methods, and theories of neuromuscular integration.

P488 Athletic Training Assessment of and Adaptation for Individuals with Physiological Disabilities (3 cr.) Identification, analysis, and evaluation of physiologically disabling conditions; rehabilitation procedures, including muscle testing, therapeutic exercise, and exercise prescription.

P490 Motor Development and Learning (3 cr.) P: EDUC M314 or consent of instructor. Motor learning and development principles throughout the life span. Emphasis on observing and analyzing characteristic movement behavior, motor learning, and motor performance, with application to developmentally appropriate movement experiences.

P491 Research in Kinesiology (cr. arr.) Open to junior or senior majors or minors in Kinesiology. Permission of chairperson of department is required.

P492 Laboratory Assisting or Field Experience in Sports Science (1-3 cr.) Student will assist in either an ongoing or a new research project, or obtain some other field experience, under the guidance of a faculty sponsor. Only S/F grades given.

P493 Tests and Measurements in Physical Education (3 cr.) Theory of measurement in physical education, selection and administration of appropriate tests, interpretation of their results by fundamental principles.

P494 Tools of Learning for Elementary School Children (3 cr.) Creative and playground equipment appropriate for teaching elementary school children.
Techniques for integrating cognitive, affective, and psychomotor behavior through the use of this equipment.

P495 Laboratory Teaching in the Physical Education Program (1 cr.) Pre-practice teaching experience. Students assist and help teach activities in the Physical Education Program. Students must have had a course in the teaching activity before they are allowed to assist. Course may be repeated.

P497 Organizational and Curricular Structures of Physical Education K-12 (2 cr.) Techniques in organization and development of all-grade curriculum in physical education. Development and implementation of extracurricular activities.

P498 Practicum in Physical Education and Athletics (cr. arr.) Open to junior or senior majors or minors in physical education. Permission of chairperson of department is required.

K500 Special Topics in Physical Education (1-3 cr.) Selected topics in physical education.

K502 Youth Fitness and Sport (3 cr.) Open to seniors with consent of instructor. Overview of competitive sport activities for youth. Scientific approach to coaching youth; developmental considerations, coach as leader, competitive environment, and maximizing positive contributions of sport and competition.

K503 Workshops in Kinesiology (3-3 cr.) Designed to cover a variety of topics in the area of kinesiology.

K506 Computer Applications in Physical Education (3 cr.) Hands-on applications in the use of microcomputers as a problem-solving tool in physical education. Programming applications and problems in physical education, sport sciences, administration, athletics, and research.

K510 Administrative Theory of Competitive Sports Programs (3 cr.) Organization of high school athletics with reference to national, state, and local control. Staff, program, budget, health and safety, facilities, and other phases of administration.

K511 Legal Issues in the Sport Environment (3 cr.) An introduction to legal principles involved in amateur sport. Constitutional law issues such as athletics eligibility, NCAA due process, gender discrimination, and drug testing. In-depth explanation of tort liability. Contracts in amateur sport settings.

K512 Issues in Professional Sport (3 cr.) An introduction to the business and legal issues confronting the professional sport industry today. Major topics include league organization and governance, collective bargaining, antitrust law, the influence of the media, and social issues pertinent to professional sport. Focuses primarily on the NFL, MLB, and NBA.

K513 Sport and Higher Education (3 cr.) Examination of contemporary issues in college sport in America, the historical foundation of college sports, and the role of sport in higher education. Discussion of possible reforms in collegiate athletics.

K514 Sport Marketing and Sponsorship (3 cr.) Examination of strategic market planning and its impact on sport marketing. Covers elements of the marketing mix, licensing and merchandising, event marketing, and sponsorship.

K515 Financial Analysis in Sport (3 cr.) P: T594 or equivalent. Exploration of current financial status in the main segment of the sport industry. Emphasizes placed on professional and collegiate sport. Topics include fee structures, financial ratios, financial impact analysis, attendance and price setting strategies, financial forecasting, relationships between financial analysis and strategic planning.

K516 The Sport Industry (3 cr.) A study of the sport industry with an emphasis on developing an understanding of how firms within the sport industry create a competitive advantage.

K521 History of Sport in the United States (3 cr.) Study of the historical development of sport as an institution in American society: the rise of organized sport, factors affecting sporting developments, sport as an influence in society, sport in education.

K522 The Role of Sports in Society (3 cr.) Significance of sports in society; examination of relationships between sports and other elements of the culture; how sports contribute to human welfare in an advanced technological society.

K523 Women in Sport: Historical Perspectives (3 cr.) Study of the historical development of sports, changing roles and opportunities for women in sport, contemporary issues and trends.

K524 Exercise Science as Applied to Adapted Activity (3 cr.) Addresses the contribution exercise science makes to the understanding and application of adapted activity for persons with various diseases, disorders, and conditions. An overview of certain cardiovascular, pulmonary, metabolic, immunological, orthopedic, neuromotor, cognitive, developmental, and emotional disorders or conditions is presented with the benefits physical activity may provide for these conditions.

K525 Psychological Foundations of Exercise and Sport (3 cr.) Addresses theoretical and empirical aspects of topics, including exercise and mental health, anxiety and sport performance, “personology” and sport, overtraining, exercise adherence, and perceived exertion.

K527 Adherence to Physical Activity (3 cr.) An overview of empirical research and theoretical perspectives on adherence to various forms of physical activity. Research on special populations will be emphasized.

K530 Mechanical Analysis of Human Performance (3 cr.) P: ANAT A215 or equivalent; PHYS P201 recommended. Newtonian mechanics applied to human movement. Analysis of sports techniques.

K531 Measurement and Analysis of Physiological Signals—EMG (3 cr.) Quantitative analysis of analog data acquisition in the exercise science research environment. Theoretical background and techniques will be covered with major focus on their role as practical applications. Emphasis will be on the use of EMG signal acquisition analysis and interpretation. Lectures plus laboratory work on selected topics will be included.

K533 Advanced Theories of High-Level Performance (3 cr.) An integrative analysis of the physiological, psychological, and biomechanical principles, mechanisms, and phenomena underlying the acquisition of the capabilities required for high-level physical performance.

K535 Physiological Basis of Human Performance (3 cr.) P: PHYS P215 or equivalent. A study of physiological changes that occur with exercise. Emphasis on the cardiorespiratory, muscular, and biochemical adaptations to training, and how these affect human performance. Physiological principles are applied to athletic training, adult fitness, weight regulation, and physical therapy.

K536 Obesity/Body Composition (3 cr.) P: PHYS P215 or equivalent. Study of a variety of contemporary issues related to obesity. Topics include obesity and health risks, factors promoting fat deposition and metabolism, traditional versus nontraditional weight-loss programs, and adherence to weight-loss programs. Recommendations are presented for developing a comprehensive weight management program.

K537 Advanced Physiology of Exercise (3 cr.) P: PHYS P575. Advanced lecture/laboratory course on the regulation and integration of metabolic, cardiovascular, respiratory, endocrinological, and biochemical functions of the human body in response to exercise of all types, and the influences of the functions of the various organ systems of the body.


K542 Neuromuscular Control of Movement (3 cr.) An overview of the neural mechanisms underlying motor control. Includes applications of neurophysiological principles to human motor performance.

K545 Childhood Motor Development (3 cr.) Study of the developmental aspects of human performance, including the processes of growth and motor development from conception to adolescence. Emphasizes research on cognitive, affective, and psychomotor development and their impact on the motor behavior of children.

K546 Adolescent Motor Development (3 cr.) Study of the developmental aspects of human performance, including the processes of growth and motor development throughout adolescence. Emphasizes research on cognitive, affective, and psychomotor development and their impact on the motor behavior of the adolescent.

K547 Developmental Movement for Children (3 cr.) A developmental approach to the physical education of children, covering the impact of developmental movement experiences, curriculum development, teacher behavior, class management, play environments, and a variety of developmental and motor movement activities. Students participate in classroom instruction, group projects, and a variety of contemporary game, rhythm, and self-testing activities.

K550 Motor Assessment of the Exceptional Child (3 cr.) Neurologic bases and factor structures of motor ability in normal and exceptional populations; movement problems associated with specific syndromes; assessment of motor development with structured and unstructured tests and checklists.

K551 Movement Performance of the Exceptional Child (3 cr.) Study of factors that contribute to the motor behavior characteristics of children with developmental disabilities. The emphasis will be placed on developmental and empirical literature to derive instructional models for this population. Application of the knowledge to planning, assessing, prescribing, implementing, and evaluating motor skill development programs will be made. Instructional strategies will be presented for educating young children with developmental disabilities.
K552 Problems in Adapted Physical Education (3 cr.) A study of problems as they relate to philosophy, procedures, and practices in adapted physical education.

K555 Organization of Physical Therapy (3 cr.) Special fields of physical rehabilitation; use of exercise, massage, heat, water, electricity, various forms of radiation in public schools; some administrative considerations.

K560 Exercise in Corporate Fitness and Wellness (3 cr.) An overview of preventive and rehabilitative exercise programs, including professional education, scope and philosophies of programs, and program offerings. An introduction to health/fitness evaluation, exercise prescription, and exercise leadership.

K561 Health/fitness Assessment Laboratory (Gr. cr.) Application of scientific principles and practices in health and fitness assessment with special emphasis on physiological mechanisms and interpretation.

K562 Exercise in Health and Disease (3 cr.) The role of physical activity in the prevention and rehabilitation of atherosclerosis, chronic obstructive lung disease, diabetes, hypertension, hyperlipidemia, obesity, osteoporosis, end stage renal disease, and others. Health states such as aging and pregnancy will also be discussed.

K563 Cardiac Assessment in Exercise Testing (5 cr.) Physiological assessment techniques, and interpretation of electrocardiography, echocardiography, nuclear cardiology, and cardiac catheterization at rest and during exercise.

K564 Exercise Prescription (3 cr.) Interpretation of health/fitness assessment for exercise prescription and the modification of the basic exercise prescription for aging populations, pregnancy, coronary heart disease, hypertension, hyperlipidemia, obesity, diabetes, chronic obstructive lung disease, end stage renal disease, and others.

K565 Exercise Leadership (3 cr.) Laboratory application of the techniques of leading groups and individuals in preventive and rehabilitative exercise programs. Incorporation of goal setting, problem solving, social support, and other methods of client/patient motivation. Modification of prescriptions for acute disease states, environment, and injury.

K566 Preventive/Rehabilitative Exercise Program Administration (3 cr.) An overview of program structure, management, marketing, budget, and finance for corporate fitness, preventive medicine, sports medicine, and hospital-based rehabilitation.

K567 Exercise Specialist Practicum (1-3 cr.) The practice of exercise testing, exercise prescription, exercise leadership, program administration, and research design in the Indiana University Adult Fitness Program and/or the National Institute for Fitness and Sport.

K570 Recreational Sports Administration (3 cr.) The study of recreational sports (informal/intramural/extramural/club sports) relevant to historical developments, philosophical foundations, programming implications, administrative consideration, and competitive activity.

K571 Administration of Physical Education (3 cr.) Prepares individuals to assume administrative responsibilities in physical education. Concepts and practices related to the administration of physical education.


K573 Supervision in Physical Education (3 cr.) Principles of, problems in, and procedures for administering a city physical education program from the viewpoint of a city director or school administrator.

K574 Facilities for Physical Education, Recreation, Health, and Safety (3 cr.) Principles, terminology, and standards for planning, construction, use, and maintenance of facilities for indicated programs; standard authoritative references are studied and critically evaluated.

K575 Problems and Issues in Higher Education in Physical Education (3 cr.) Historical review; purposes of higher education at several levels and review of curriculum emphases at each level; problems of selection, guidance, placement, facilities, retention of personnel; methods and policies in higher education; pertinent issues and trends.

K576 Measurement and Evaluation in Physical Education (3 cr.) Theory of measurement in physical education, selection and administration of appropriate tests, interpretation of results by statistical procedures. Project required to apply theory taught.

K601 Master's Thesis (1-5 cr.)

K602 Independent Study and Research (cr. arr.) P: Graduate GPA of at least 3.0. Independent research conducted under the guidance of a graduate faculty member.

K603 Practicum in Physical Education (cr. arr.) P: Graduate GPA of at least 3.0. Practical professional field experience in school or agency situation under qualified supervision. Offered only after completion of course work for master's degree. Only S/F grades given.

K605 Internship in Sport Management (2-5 cr.) P: Graduate GPA of at least 3.0. Off-campus professional field experience in agency situation under qualified supervision. Offered only after completion of course work for master's degree. Only S/F grades given.

K606 Internship in Athletics (2-8 cr.) P: Graduate GPA of at least 3.0. Off-campus professional field experience in a school or agency situation under qualified supervision. Offered only after completion of course work for master's degree. Only S/F grades given.

K607 Internship in Sport Management (2-5 cr.) P: Graduate GPA of at least 3.0. Off-campus professional field experience in agency situation under qualified supervision. Offered only after completion of course work for master's degree. Only S/F grades given.

K608 Internship in Athletics (2-8 cr.) P: Graduate GPA of at least 3.0. Off-campus professional field experience in a school or agency situation under qualified supervision. Offered only after completion of course work for master's degree. Only S/F grades given.

K650 Internship in Sport Management (2-5 cr.) P: Graduate GPA of at least 3.0. Off-campus professional field experience in agency situation under qualified supervision. Offered only after completion of course work for master's degree. Only S/F grades given.

K656 Topics in Motor Integration (3 cr.) P: K541. A discussion of current research in motor integration.

K657 Rehabilitation of Persons with Physical Disabilities (3 cr.) Identification, analysis, and evaluation of physically disabling conditions; rehabilitation procedures, including muscle testing, therapeutic exercise, and exercise prescription.

K660 Exercise Specialist Internship (2-5 cr.) The supervised application of exercise testing, exercise prescription, exercise leadership, and program administration in selected corporate fitness, preventive medicine, or hospital-based rehabilitation internship sites.

K690 Seminar in Human Performance (1-3 cr.) Topics vary.

K691 Seminar in Physical Education (1-3 cr.) Problem area in physical education.

K701 Readings in Human Performance (2-5 cr.) P: Graduate GPA of at least 3.0. Advanced readings from domestic and foreign publications in one or more areas, including biomechanics, physiology of exercise, and sports psychology (including motor learning and control).

K702 Research in Human Performance (cr. arr.) P: Graduate GPA of at least 3.0. Experimental investigation of problems in the area of human performance, including laboratory design and advanced research techniques.

K703 Experimental Laboratory Techniques (2-3 cr.) Experimental investigation of problems in the area of human performance, including laboratory design and advanced research techniques.

K790 M.D. Dissertation (cr. arr.)

K799 Ph.D. Dissertation (cr. arr.)

Physical Education Elective Program

K100 Experiences in Physical Education (1-2 cr.) An introduction to a specified physical education activity that is not regularly offered by the Department of Kinesiology. Emphasis on development of skill and knowledge pertinent to the activity.

K101 Aerobic Dance (1 cr.) A total fitness class that emphasizes cardiorespiratory conditioning, flexibility, muscular endurance,
and coordination through rhythmic body movement. Only 5/S grades given.

E103 Archery (1 cr.) Instruction in archery skills, including construction of tackle. Instruction follows guidelines of the Outdoor Education Project of AAFPDR. Emphasis on fundamental skills and shooting forms.

E105 Badminton (1 cr.) Beginning instruction in basic skills and techniques of badminton for singles, doubles, and mixed doubles play. Emphasis on basic skill development, rules, and strategy.

E106 Bass Fishing Techniques (1 cr.) Basic and innovative techniques for catching large mouth bass. This course is an overview of techniques involved in catching bass, conservation of the species, and long range goals for its maintenance. Lecture only.

E107 Bait and Fly Casting (1 cr.) Instruction in bait casting, spin casting, spinning, and fly casting. All phases of angling, from knot tying to fish identification, are included. Emphasis on recreational aspects. Field trips included.

E109 Ballroom and Social Dance (1 cr.) Instruction in the techniques of ballroom dance, including fox trot, waltz, cha-cha, tango, rhumba, and fad dances. Only S/F grades given.

E111 Basketball (1 cr.) Instruction in fundamental skills of shooting, passing, ball handling, footwork, basic strategies of offensive and defensive play, and interpretation of rules.

E112 Bicycling (1 cr.) Beginning instruction in the principles of fitness through a cycling program. Fitness testing and cardiovascular training. Proper riding technique, safety, and other features of competitive and recreational cycling. Lecture only.

E113 Billiards (1 cr.) Instruction in basic skills, including bridge forming, stroke techniques, bank shots, and cue ball spin. Fee charged.

E117 Bowling (1 cr.) Beginning instruction in the fundamentals of approach, release, arm swing, methods of scoring, rules, and etiquette on the lanes. Emphasis on lane condition, and automatic machines. Fee charged.

E119 Personal Fitness (2 cr.) Instruction in basic principles of conditioning and fitness. Emphasis on muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance. For students without prior knowledge of conditioning methods. Fee charged.

E120 Adult Fitness Lectures (1 cr.) This course will help you to 1) understand exercise programs, 2) understand weight loss programs, and 3) develop strategies to adhere to your exercise program.

E121 Conditioning and Weight Training (1 cr.) Instruction in basic principles of conditioning and weight training. Emphasis on muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance. Only 5/S grades given.

E123 Diving (1 cr.) Instruction in fundamental dives, including approach, take-off, execution of the dive, and entry into the water. Emphasis on on forward, backward, reverse, and twisting somersaults. For all levels regardless of past diving experience.

E127 Fencing (1 cr.) Instruction in guard position, footwork, basic defensive and offensive skills. Emphasis on fencing with "foil" and an overview of the sabre and epee. Fee charged.

E130 Army Physical Fitness (2 cr.) The path to total fitness requires a combination of physical conditioning, mental conditioning, and common-sense dietary considerations. Army Physical Fitness is for those willing to accept a disciplined regimen proven to lead to total fitness. Must be an ROTC cadet.

E131 Folk and Square Dance (1 cr.) Introduction to folk dance in the United States and other countries of the world. Instruction in fundamentals of movement, basic folk dance techniques, and square dance patterns in traditional and modern folk and square dances.

E133 Fitness and Jogging (1 cr.) Beginning instruction in the basic principles of fitness as they apply to a jogging program. Emphasis on cardiorespiratory endurance and flexibility. Basic concepts underlying Dr. Kenneth Cooper's aerobic program. For students without prior experience in jogging programs, aerobics levels I through III. Only 5/S grades given.

E135 Golf (1 cr.) Beginning instruction in techniques for putting, chipping, pitching, iron swing, and wood strokes. Rules and etiquette of golf. Students play on par 3 courses. Fee charged.

E137 Gymnastics (1 cr.) Beginning instruction in basic skills and incorporation of basic routines in tumbling and vaulting. Emphasis on events performed by both men and women. All events will be included.

E144 Chi Gong (1 cr.) Designed to give students an understanding and an appreciation of the function of chi gong. Qigong (another spelling of this ancient Chinese art) is an energy balancing and energy generation and restoration method of training consisting of visualizations and affirmations combined with a series of gentle movements which can be easily learned by anyone who wants to improve and sustain their health and wellness. Students are expected to learn a set of chi gong and other basic techniques of tension release and energy restoration. Grading will be based on attendance.

E145 Introduction to the Martial Arts (2 cr.) Instruction in the martial arts, including karate, hapkido, juujutsu, judo, aikido, kung-fu, boxing, and wrestling. Learn the core concepts of each art and gain a working understanding of what the martial arts are all about, and the differences between them.

E147 Hapkido (1 cr.) Instruction in techniques for throwing, blocking, striking, kicking, and self-defense applications of joint locks. Students should achieve technical skill level of yellow belt. Judo uniform required.

E148 T’ai Chi Ch’uan (1 cr.) Introduction to the slow movements of t’ai chi ch’uan. Course provides instruction in William C. C. Chen’s 60 movement form, physics of body lever, history, philosophy, and cultural context. One of the most popular forms of exercise in China.

E149 Judo (1 cr.) Beginning instruction in techniques for throwing, grappling, and limited self-defense. Students should achieve technical skill level of yellow belt. Judo uniform required.

E150 Karate (1 cr.) Beginning instruction in techniques of blocking, kicking, striking, punching, limited free fighting, and self-defense. Students should achieve technical level of yellow belt. Karate uniform required.


E154 Beginning Tap Dance (1 cr.) An introduction to the technique and styles of tap dancing, emphasizing rhythm accuracy and efficiency of movement. Course will include history and appreciation of tap dance.

E155 Modern Dance (1 cr.) Beginning instruction in modern dance technique, stressing knowledge and application of movement principles essential to dance training.

E156 Introduction to Jazz Dance Technique (1 cr.) An introduction to the modern jazz style of movement as it integrates with sound and body control principles. Phrasing, dynamics, and other qualities will be discussed.

E159 Racquetball (1 cr.) Instruction in basic skills for beginning players. Includes both four-wall singles and doubles games.

E161 Riflery (1 cr.) Beginning instruction in smallbore target rifles. Students may qualify for collegiate marksmanship ratings. Fee charged.

E164 Sailing (1 cr.) Beginning instruction in the principles of sailing. Rigging, proper sailing technique, and other features of small craft sailing. Only 5/S grades given.

E165 Soccer (1 cr.) Instruction in fundamental techniques, rules, basic team tactics, and strategies. Emphasis on competitive game situations and fundamental drills.

E168 Swimming—Nonswimmers (1 cr.) Beginning instruction in self-rescue remedial swimming skills and several basic strokes. For students with no swimming skills.

E181 Tennis (1 cr.) Beginning instruction in the fundamentals of serves and forehand and backhand strokes. Competitive play in women’s, men’s, and mixed doubles tennis.

E183 Trap and Skeet (1 cr.) Instruction in firearm safety and shotgun marksmanship. Emphasis on skill development in safe and efficient use of shotguns. Games of skeet and trap are included. Students encouraged to shoot for NRA marksmanship record. Fee charged.

E185 Volleyball (1 cr.) Instruction in fundamental skills of power volleyball, including the overhand serve, bump, set, and spike. Team offensive and defensive strategies.

E186 Wall Volleyball (1 cr.) Instruction in fundamental skills of wall volleyball, including the serve, set (with and without wall), bump, dig, and spike. Team offensive and defensive strategies.

E187 Weight Training (1 cr.) Instruction in basic principles and techniques of conditioning through use of free weights. Emphasis on personalized conditioning programs. Only 5/S grades given.

E196 Skiing—Alpine-Downhill (1 cr.) American Teaching Method-ATOM-Direct Parallel: learn and practice modern parallel skiing technique, with unspottable skills in graduated lengths—starting from very short skis and progressing to standard length skis. Only 5/S grades given.

E197 Ice Skating Instruction (1 cr.) Beginning ice skating class which includes introduction to the mechanics of skating, basic skills such as stride, crossover, stopping and backward skating. Students will be taught intermediate skills such as backward crossovers, edge control and turns as skill level determines. Students will be evaluated at end of semester through written examination and skill demonstrations. Written exam will test knowledge of skating mechanics, techniques and safety as well as equipment. Skill demonstration will test abilities in learned skills of various strides, stopping, edge control, sport, and stamina. Fee charged. Only 5/S grades given.

E203 Intermediate Archery (1 cr.) Instruction in use of compound bow archery skills, including care and construction of tackle. Instruction follows guidelines of the Outdoor Education Project of AAHPERD. Emphasis on fundamental skills and shooting forms.
E209 Ballroom and Social Dance II (1 cr.) This course will expand the six dances covered in E109. We will add new steps to each dance and discuss the tactical aspect of each dance. We will also introduce two new dances: the quick step and samba. Every class period students learn steps in three of the dances and alternate dances every week. Only S/F grades given.

E211 Intermediate Basketball (1 cr.) Review of fundamental basketball skills including passing, dribbling, shooting, rebounding, and defense. Instruction of offensive and defensive principles of motion offense including screening, spacing, rebounding, and passing. Instruction in man-to-man defense and zone defenses. Designed for overweight students, this class will stress the importance of diet and exercise in permanent weight control. Uses dietary behavior modification techniques and an exercise program to achieve a gradual reduction and maintenance of ideal weight. Only S/F grades given.

E220 Training Theories for Endurance Events (1 cr.) Survey of theories and techniques associated with training for endurance type activities. Designed for the self-coached athlete and aspiring coach. Applicable to running, cycling, and swimming.

E221 Introduction to Swim Training and Coaching (1 cr.) Improve your swimming technique. Learn and apply principles of training. Learn how to coach yourself and others.

E227 Intermediate Fencing (1 cr.) P: E127 or permission of instructor. Builds upon basic knowledge of fencing. Instruction of advanced skills and new techniques with an emphasis on the tactical aspect of the sport. Students should achieve a level of green belt in fencing. Fee charged.

E230 Advanced Army Physical Fitness (2 cr.) P: E130 or consent of instructor. Continuing along the path to total fitness begun in E130, this course emphasizes the leadership aspect of Army Physical Fitness. Students will lead PT sessions, participate in and lead formation runs, and continue the disciplines regimen begun in E130. Must be a ROTC cadet.

E235 Intermediate Golf (1 cr.) The course builds on and refines the basic fundamentals of swing motion. Ball flight control is introduced with more in-depth swing analysis. Students play on a championship course. Fee charged.

E237 Gymnastics— Intermediate (1 cr.) Instruction in all events, including floor exercise, vaulting, trampoline, balance beam, parallel bars, uneven bars, rings, pommel horse, horizontal bar. Emphasis on individual routines.

E245 Cultures and Traditions of the Martial Arts (2 cr.) Examination of the cultures and traditions that shape the martial arts of East Asia with great emphasis on the influence of China upon its neighbors. Martial arts from India, Indonesia, Thailand, Korea, Japan, etc. will also be covered. Lectures and video.

E247 Intermediate Hapkido (1 cr.) Designed to give students an increased understanding and an appreciation of the art of hapkido. Content emphasis involves advanced applications of basic hapkido techniques and self-defense. Students should achieve the technical level of a green belt in hapkido.

E248 Intermediate ‘T’ai Chi Ch’uan (1 cr.) P: E148 or consent of instructor. This course emphasizes basic principles of everyday practice of ‘t’ai chi ch’uan. Course presents refinement of William C. C. Chen’s 60 movement form, da lu, and push-hands. Provides examples of neutralizing, throwing, striking, and strategic and philosophic concepts.

E250 Karate—Intermediate (1 cr.) P: Yellow belt technical level or consent of instructor. Instruction in advanced applications of basic techniques and free fighting. Students should achieve technical level of green belt. Karate uniform required.

E254 Intermediate Tap Dance (1 cr.) P: E154 or consent of instructor. Rigging dancing in the technique and styles of tap dance and the use of tap dance steps to create original choreography. Development of tap dance as a musical and visual art form.

E255 Modern Dance—Intermediate (1 cr.) P: E155 or consent of instructor. Intermediate modern dance technique, stressing knowledge and application of movement principles essential to dance training.

E256 Intermediate Jazz Dance (1 cr.) P: E156, previous instruction, or consent of instructor. A continuation of instruction in the modern jazz style of movement introduced in E156. Special emphasis on movement efficiency, precision, and clarity of movement.

E259 Intermediate Racquetball (1 cr.) Review of beginning skills, rules, terminology and techniques for singles, cut-thumb, and doubles play. Emphasis on executing skills in match situations. Class emphasizes strategies including court position, offensive play, defensive play, serve, and return of serve.

E264 Intermediate Sailing (1 cr.) P: E170 or consent of instructor. Instruction in rigging and sailing a variety of boats. Students sail and control a boat in simulated emergencies and obtain ability in jury rigging. Students learn trapeezing skills and spinnaker trimming and reach an intermediate level of racing knowledge and skills. Only S/F grades given. Fee charged.

E268 Intermediate Swimming (1 cr.) Utilize, improve upon, and review, and learn the strokes taught in class, including but not limited to back stroke, breast stroke, and butterfly. Establishing a level of endurance, and other aquatic skills relevant to this course. Grading is based upon attendance stroke technique mechanics, skills/endurance and coordination.

E270 Introduction to Scuba (1 cr.) Introduction to the theory and practical skills for basic scuba. Program designed to give participants knowledge of physics and physiology as applied to breath holding and a self-contained underwater breathing apparatus (SCUBA). Swimming ability and scuba medical history form required. Letter graded. This is a non-certification course. Fee charged.

E275 Aquatic Conditioning (1 cr.) Acquire a moderate to high level of aerobic capacity while using the water, equipment, and other useful techniques, skills, and/or ideas. Achieve student’s desired goal through fitness utilizing the water. S/F grading.

E276 Water Polo (1 cr.) P: Intermediate swim level. Instruction in basic/swimming skills and rules of water polo. Emphasis on the tactical aspects of the sport in addition to proper conditioning for competitive play.

E277 Introduction to Rowing (Sculling) (1 cr.) Beginning instruction in the principles of sculling. Includes boating care, safety, and other features of sculls and sweeps. Only S/F grades given. Fee charged.

E281 Tennis—Intermediate (1 cr.) Instruction in spin service, volley, lob, and advanced drive placement. Emphasis on singles and doubles playing strategies. Fee charged.

E283 Intermediate Skeet (1 cr.) P: E183 or consent of instructor. Introduction to the techniques, skills, and strategies of skeet. Only S/F grades given. Fee charged.

E284 Intermediate Trap (1 cr.) P: E183 or consent of instructor. Introduction to the techniques, skills, and strategies of trap. Only S/F grades given. Fee charged.

E290 Intermediate Yoga (1 cr.) Emphasis on breath and release work through yoga, including variations on familiar asanas, continued explorations of the body systems, and deeper understanding of the health benefits of this practice. Fee charged.

E335 Advanced Golf (1 cr.) P: Handicap of 15 or less, or the permission of the instructor. Course emphasizes stroke refinement, course management and strategy, and self-analysis and correction. Fee charged.

E347 Advanced Hapkido (1 cr.) Designed to give students an increased understanding and an appreciation of the art of hapkido. Content emphasis involves advanced applications of hapkido techniques and self-defense. Students should achieve the technical level of a blue belt in hapkido by mid-term and brown belt by finals.

E348 T’ai Shou (Push-Hands) (1 cr.) P: E248 or permission of instructor. Introduction to the techniques, skills, and strategies of t’ai chi ch’uan t’ai shou (push-hands). Course provides instruction and practice of Yang Style.

E350 Advanced Karate (1 cr.) Designed to give students an increased understanding and an appreciation of the art of karate and taekwondo. Content emphasis involves advanced applications of basic taekwondo techniques, one step sparring, forms, and introduction to free fighting. Students should achieve a technical level of a blue belt in taekwondo (Korean Karate) by mid-term and brown belt by finals. Karate uniform required.

E354 Advanced Tap Dance (1 cr.) This course is for students who have taken E254 and want to continue learning the art of rhythm tap. Others with a solid foundation in tap are also welcome. We will explore more complex rhythmic patterns and skills through routines, challenges and improvisation. Students will be required to present routines of their own at the end of the semester. Letter grading, based on attendance and effort.

E355 Modern Dance I Advanced (1 cr.) P: E255 or consent of instructor. Advanced techniques in modern dance with emphasis on performance of movement patterns and individual creative work.

E364 Sailboat Racing (1 cr.) Instruction and practical application of rules and tactics of sailboat racing for the experienced sailor. Techniques of setting the sailboat racing course and administration of running sailboat races. Fee charged.

E370 Scuba Certification (2 cr.) P: E270 or consent of instructor. National scuba certification for recreational divers. E370 will incorporate highlights of advanced scuba.
Includes lectures and pool sessions to enable students to participate in the open water diving experiences and advanced certification. Swimming ability and scuba medical history form required. S/F grading. Fee charged.

E371 Advanced Scuba (1 cr.) P: E370 or national scuba certification. Provides students with practical knowledge in advanced scuba topics. Includes comprehensive knowledge, navigation, search and recovery, night or limited visibility, specialty and deep diving knowledge.

E377 Advanced Life Saving (1 cr.) P: Entrance test required. Instruction in the Advanced Life Saving Program of the American Red Cross, designed to qualify the student for the American Red Cross Advanced Life Saving Certification.

E447 Advanced Hapkido II (1 cr.) P: Brown belt (third kup) or higher technical level or permission of instructor. Designed to be a black-belt preparation class and to give students an increased understanding and an appreciation of the art of hapkido. Content emphasis involves advanced applications of hapkido techniques and self-defense. Students should achieve the technical level of a red belt (second kup) or higher in hapkido by finals. Uniform required.

E450 Advanced Karate II (1 cr.) P: Brown belt (third kup) or higher technical level or permission of instructor. Forms. Students gain practical experience in the body mechanics of t’ai chi ch’uan through the larger, faster movements and the use of a handled object. This practice continues the meditative technique of t’ai chi ch’uan, which develops the ability to shift both physical and psychological focus.

E457 Dive Master (2 cr.) P: E371 or advanced scuba certification. Advanced aspects of diving physics, physiology, dive stress, and rescue. Completes national training standards for certification.

E471 Underwater Exploration (1 cr.) P: E370 or national scuba certification. Topics include historic shipwrecks from the ‘age of exploration’ to today. Focuses on documentation and interpretation of submerged cultural resources. Includes required mock-shipwreck pool session and two open-water dives for recreational dive certification in underwater archeology.

E472 Scuba Instructor Development (2 cr.) P: E470 or divemaster certification. Instructor development course for recreational scuba diving. Participants will complete all basic requirements prior to standard national evaluation exams.

E477 Safety Certification (1 cr.) P: Must be able to swim 500 yards continuously. Instruction will prepare individuals to assume more effectively the duties and responsibilities of lifeguarding at pools and protected open water beaches. Letter grading.

E477 Water Safety Instructor (1 cr.) P: Must be able to swim 500 yards continuously. This course will prepare students to teach swimming from Levels I-VII and will include basic water safety, emergency water safety, aquatics, infant, preschool, toddlers, water safety aide. Students will participate in two practice teaching and accompanying lesson plans. Letter grading.

Recreation and Park Administration

R100 Recreation Leadership Skills (1 cr.) Short courses designed to provide students with skills and teaching techniques necessary to function as leaders in recreation and parks. May be repeated for credit if topic differs.

R160 Recreation and Leisure (3 cr.) An introduction to the field of recreation and leisure from the view point of the individual as a consumer and of societal agencies as providers of leisure services. Includes philosophy, history, theory, and survey of public and private leisure-service organizations.

R236 Tourism and Commercial Recreation (3 cr.) Analysis of private, commercial, and industrial recreation fields, focusing on economic impact, marketing strategies, consumer protection, and career opportunities.

R237 Computers in Park, Recreation, Sport, and Tourism Management (3 cr.) An introduction to computer usage in parks and recreation services. Terminology, BASIC language, retrieval, and reference systems and management applications. Emphasis is on minicomputers.

R241 Wildflowers and Wild Edibles (2 cr.) Identification of wildflowers and wild edible plants. Activities include a weekend field trip, a chance to improve skills in identifying local plants, as well as a culinary experience in wild edibles.

R266 Management of Park and Recreation Facilities (3 cr.) P: R160. Emphasis on the principles and practices of operating park and recreation systems, with an emphasis on management of playgrounds, golf courses, swimming pools, sports centers, tennis centers, and community centers.

R270 Inclusive Recreation Services (3 cr.) Discussion of the need for the provision of leisure services to special populations, introduction to recreation concepts and terminology resources, adaptations of programs and facilities, and gaining an awareness of needs and abilities of persons who have disabilities.

R271 Dynamics of Outdoor Recreation (3 cr.) P: R160. Philosophical orientation to the field of outdoor recreation; camping, outdoor/ environmental education, and natural resource management, with emphasis on programs, trends, resources, and values.

R272 Recreation Activities and Leadership Methods (3 cr.) P: R160. Analysis of recreation program activities, objectives, determinants, and group dynamics involved in the leadership process. Assessment and evaluation of programs and leadership techniques. Students are strongly encouraged to take R367 immediately following this course.

R277 Introduction to Therapeutic Recreation (3 cr.) P: R160. Theoretical, philosophical, and historic foundation of therapeutic recreation; role of treatment and rehabilitation with a survey of major services and settings.

R279 Outdoor Adventure Education (2 cr.) Experiential overview of the concepts and practices of outdoor adventure/challenge recreation, such as ropes courses, backpacking, canoeing, and survival skills. Course is conducted in an outdoor laboratory setting.

R280 Natural History (3 cr.) Investigation of general natural history and field ecology concepts in a laboratory setting. Weekly field trips.

R281 Landscape Horticulture (3 cr.) Provides basic information and skills that are fundamental in managing horticultural resources, with an emphasis on plants and the circumstances under which they grow well. Basic information about plant growth, reproduction, and propagation techniques in the greenhouse and outdoor setting.


R317 Seminar in Recreation and Parks (1-3 cr.) Park and recreation current issues seminar. Topic varies with the instructor and year. Consult the Schedule of Classes for current information. May be repeated for credit if topic differs.

R320 Therapeutic Horticulture (3 cr.) For students of adjunct therapies to understand the use of horticulture for therapy and rehabilitation. Methods and techniques are presented with an interdisciplinary approach. The student will gain a basic knowledge of horticulture therapy and develop a working knowledge of program planning.

R322 Scientific Diver Certification (3 cr.) P: E270. Fundamentals necessary for safe and efficient diving during scientific investigations and surveys, including diving physics and physiology. Emphasis on knowledge, skills, and scientific Diver Level I open water evaluation. Recreational diving certification available. Diving fee may be required.

R324 Recreational Sports Programming (3 cr.) Overview of programmatic elements and techniques in recreational sports. Topics include informal, intramural, club, extramural, and instructional sports programming; values of recreational sports; terminology and career opportunities in various recreational sport settings.

R326 Customer Service and Media Relations (3 cr.) Overview of practical approaches to customer service and the use of quality programs in providing these services to the public or clients.

R331 Leisure Education (3 cr.) Students develop an understanding of leisure and its relationship to lifestyles and the fabric of society.

R333 Camping for Special Populations (3 cr.) Understanding the nature and function of organized camping involving handicapped persons. Emphasis on camp staff positions, camp operations, and the camp’s role in rehabilitation.

R338 Recreation Resource Management (3 cr.) An understanding of the ecological concepts, practices, and resource policies of parks and recreation services. Emphasis will be on the allocation, carrying capacity, preservation and environmental impact, and dispersed and intensive recreation use.

R340 Leisur in Modern Society (3 cr.) Encourages a holistic and comprehensive understanding of the significance of leisure to the individual and society. Discusses the relationship between leisure and other disciplines such as psychology, sociology, health, economics, political science, and education.

R341 Camp Leadership and Management (3 cr.) Covers the historical, sociological, and psychological aspects of the organized camp movement as well as programming and
administrative principles and practices. Emphasizes various organized structures.

R351 Convention Management and Meeting Planning (3 cr.) To enhance their effectiveness in the tourism and commercial recreation industry, students should extend this programming focus to include nonrecreational facilities and services, particularly those associated with various groups and types of meetings such as conventions, banquets, receptions, and special events.

R362 Therapeutic Communication (3 cr.) Students will develop competencies to help assure therapeutic communication needed for effective client relationships in clinical practice.

R361 Professional Internship (14 cr.) P: R301, 2.0 GPA or better. Laboratory or field experience. Only 5/F grades given.

R365 Leisure and Aging (3 cr.) Explores the role of leisure in adult development with specific focus on the aging process, leisure needs, and leisure services. Basic concepts associated with leisure, aging, targeting leisure services, research, and public policy are presented in light of increasing leisure demand in the 21st century.

R366 Therapeutic Interventions with the Elderly (3 cr.) Promotes understanding of elderly persons who are frail, vulnerable, and in, or discharged from healthcare activities may be used to reach treatment and rehabilitation goals with clients from these populations.

R367 Leisure Program Development (3 cr.) P: R160, R272. Learning and applying the programming process for leisure delivery systems. Introduction to program activity plans, budgeting, and public relations.

R372 Interpretive Resources and Techniques (3 cr.) P: R271. Basic principles, philosophies, and methodologies of interpretive techniques used in outdoor programming. Examination of the basic techniques and interpretive activities that foster understanding of social/cultural/philosophical concepts related to leader transactions with clients in therapeutic recreation.


R379 Clinical Practice in Therapeutic Recreation (3 cr.) P: R301, R272, R367. An overview of the therapeutic recreation process in the practice of leisure service delivery. Introduction to program activity plans, budgeting, and public relations.

R367 Leisure Program Development (3 cr.) P: R160, R272. Learning and applying the programming process for leisure delivery systems. Introduction to program activity plans, budgeting, and public relations.

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of park and recreation settings. Topics vary with instructor and year. Consult the Schedule of Classes for current information. May be repeated for credit if topic differs.

R520 Organizational Leadership for Leisure Services (3 cr.) Organization and administration of public and not-for-profit agencies, with emphasis on leadership and management patterns including empowerment, leadership, envisioning, organizing, quality, and contemporary management issues.

R521 Computer Systems in Recreation and Park Administration (3 cr.) Introduction to computer usage in the recreation and park field. Emphasis on skills and knowledge necessary to communicate with programmers and analysts about administrative concerns.

R522 Mass Services (3 cr.) Application of economic and marketing principles to leisure service delivery systems and the analysis of institutional factors affecting the allocation of resources for recreational purposes. For recreation majors with limited background in economics and marketing.

R523 Visitor Behavior (3 cr.) Examines the theory and findings of visitor and tourism research as it is conducted in recreation and leisure settings such as parks, museums, towns, historic sites, sporting facilities, and resort areas. Topics include visitor motivations, expectations, social interaction, and assessment. Students will learn nine techniques for gathering information from and about visitors.

R525 Administrative Theory and Management Practices in Leisure Services (3 cr.) Investigations of how administrative theory and management practices in leisure services have changed since 1900. Involves the study of contemporary and future management issues influencing the delivery of leisure services in public and nonprofit settings. Particular emphasis is given to implications for leisure service managers and organizational responses.

R530 Comprehensive Recreation Planning/ Park Design (3 cr.) Procedures for developing community comprehensive park and recreation plans and specific plans for parks including design characteristics for selected recreation and support facilities. Emphasis on planning policies and procedures, surveys, data gathering, and design concepts.

R535 Great Lakes Park Training Institute (1 cr.) Practicum training in the management of the Great Lakes Park Institute for park and recreation administrators, supervisors, and technicians.

R539 Master's Project in Administration (2-4 cr.) Provides administration master's candidates with an understanding of processes, requirements and expectations of the master's project. Ultimately to provide a head start to the completion of the master's project.

R540 Policy Studies in Outdoor Recreation/ Environmental Management (3 cr.) A critical analysis of the historic development, current status, and changing patterns of public policy in outdoor recreation and related environmental management in the United States. Intensive examination of selected public policy issues (including those affecting the private/commercial sector) through small group seminars and individual research.

R541 Camping Administration (3 cr.) Organization and administration of camps; program planning, selection, and supervision of staff; camp site selection and development; health and safety.

R542 Recreation Resource Administration (3 cr.) Examination of resource management approaches to recreation resource administration. The resource management aspects will take an ecological and sociological approach to understanding complex problems and issues, management practices, resource policies, and allocation of resources. Special focus on legal and ethical aspects of resource management, environmental protection, personnel management, and budget formulation.

R543 Principles of Outdoor/Environmental Education (3 cr.) Basic principles, philosophies, and methodologies of both outdoor education and environmental education. Enables students to associate characteristics that relate to each field as well as aspects that differentiate both. Includes many field trips.

R544 Legal Aspects of Recreation Administration (3 cr.) The course concentrates on the legal aspects of parks, recreation, tourism, and sports. It provides students with an understanding of the risk management process, negligence, intentional torts, strict liability, standards of care and attractive nuisance. The Socratic method of teaching is applied to this class.

R545 Advanced Ecosystem Management in Outdoor Recreation (3 cr.) Explores the principles, theories, concepts, and practical realities of ecosystem management. Enables students to design, initiate and coordinate projects and complete, complex projects of an ecological nature.

R560 Professional Development for Therapeutic Recreation (3 cr.) Contemporary principles and strategies for the delivery of therapeutic recreational service. Opportunities to refine personal and professional philosophy of therapeutic recreation.

R561 Advanced Therapeutic Recreation Processes (3 cr.) Techniques, approaches, procedures, and practices in the provision of therapeutic recreation service.

R562 Social Psychology of Therapeutic Recreation (3 cr.) A structured purview of the social psychology of therapeutic recreation service. Emphasis on social and organizational behaviors relevant to therapeutic recreation.

R563 Program Development and Consultation in Therapeutic Recreation (3 cr.) Concerns in developing and providing therapeutic recreational programs and consultation.

R564 Introduction to Outdoor Experiential Therapy (1 cr.) Exploration of concepts related to the past, present, and future trends of experiential therapy. Focuses on reading and reflection, experiential training, and small group facilitation and discussion.

R565 Leisure and Aging (3 cr.) Explores the role of leisure in adult development with specific focus on the aging process, leisure needs, and leisure services. Basic concepts associated with leisure, aging, targeting leisure services, research, and public policy are presented in light of forecasting leisure demand in the 21st century.

R566 Therapeutic Interventions with the Elderly (3 cr.) Promotes understanding of elderly persons who are frail, vulnerable, infirm, or disabled and how activities may be used to reach treatment and rehabilitation goals with clients from these populations.

R567 Issues and Concepts in Adventure and Outdoor-Based Programs (3 cr.) Exploration of various issues and concepts associated with adventure and outdoor-based programs. Includes an experiential learning component and is offered in a seminar format.

R570 Recreational Sports Administration (3 cr) The study of recreational sports (informal/intramural/extramural/club sports) relevant to historical developments, philosophical foundations, programming implications, administrative considerations, and creative activity.

R571 Dynamics of Recreational Sports Environment (3 cr.) Study of the interaction of the participant in the recreational sports environment as it relates to the individual's self-awareness, social awareness, and physical awareness. The role of sport in society, from a global perspective, is examined with particular emphasis on the recreational sport participation.

R572 Seminar in Recreational Sports (1 cr.) Focuses on the experiences that relate directly to the basic programmatic and administrative aspects of recreational sports. Various topics are discussed by facility members and practitioners with specialized areas of expertise.

R580 Strategic Planning and Management in Recreation, Park, and Nonprofit Agencies (3 cr.) Study of strategic planning and management theory, application, and process. Review applications of strategy, planning for strategy, implementation of strategy, and use of strategic planning and management to achieve a desired future. Application of strategic planning and management principles in recreation, park, and nonprofit environments.

R599 Master's Thesis (5 cr.)

R640 Independent Study and Research (cr. arr.) P: Graduate GPA of at least 3.0. Independent research conducted under guidance of a graduate faculty member.

R641 Readings in Recreation (cr. arr.) P: Graduate GPA of at least 3.0. Independent study directed to advanced master's and director's degree students. Individualized advanced study of specific topics under faculty direction. Topic areas within which study contracts may be developed include park/recreation administration; recreational sports administration; therapeutic recreation; outdoor recreation; tourism; armed forces recreation; and resource management.

R642 Internships in Recreation and Parks (2-8 cr.) Supervised off-campus professional field experience in appropriate agencies or other appropriate experiences. Includes weekly contact with supervising faculty. Only S/F grades given. Internships are available in the following areas of emphasis: park/recreation administration; recreational sports administration; therapeutic recreation; tourism; and resource management.

R643 Practicum in Recreation and Parks (cr. arr.) Field experience as specified in written individualized contracts with supervising faculty. Only S/F grades given. Practicum is available in the following areas of emphasis: park/recreation administration; therapeutic recreation; tourism; armed forces recreation; outdoor recreation; and resource management.

R647 Seminar in Recreation (1-3 cr.) Seminars in one or more of the following areas: emphasis on one important aspect of human life—leisure behavior.

R701 Social Psychology of Leisure (3 cr.) P: R500 or consent of instructor. Students gain an understanding of the application of social psychology to one important aspect of human life—leisure behavior.

R702 Higher Education in Recreation, Parks and Leisure Services (3 cr.) Investigation and discussion of current trends and issues.
affecting higher education in recreation, parks, and leisure services.

R703 Inquiry Methodology in Leisure Behavior (3 cr.) An in-depth study of the realm of research in leisure behavior. Conceptual and methodological issues involved in problem formulation and application of appropriate designs.

R704 Doctoral Seminar: Leisure Behavior (3 cr.) Examination of issues in leisure behavior in a systematic and comprehensive way, using a multidisciplinary perspective. Students working in teams will conduct research on questions of leisure behavior.

R740 Advanced Research in Recreation (cr. arr.) P: Graduate GPA of at least 3.0. Open to students pursuing the directorate or the doctorate. Research conducted under the director of and with the advance approval of a member of the graduate faculty in one of the following areas: park/recreation administration; recreational sports administration; therapeutic recreation; tourism; armed forces recreation; outdoor recreation; and resource management.

R741 Advanced Readings in Recreation (cr. arr.) P: Graduate GPA of at least 3.0. Restricted to doctoral students. Individualized advanced study of specific topics under faculty direction. Topic areas within which study contracts may be developed are: park recreation administration; recreational sports administration; therapeutic recreation; tourism; armed forces recreation; outdoor recreation; and resource management.

R790 Re.D. Dissertation (cr. arr.)
R799 Ph.D. Dissertation (cr. arr.)

Interdepartmental and Technical Courses

T470 Special Topics in Health, Physical Education, and Recreation (1-3 cr.) Topics vary from semester to semester but cover broad subjects that cut across fields of study represented in the school. Consult the Schedule of Classes for current information. May be repeated for credit if topic differs.

T490 Honors Seminar in Health, Physical Education, and Recreation (2 cr.) Analysis of current social problems pertinent to the responsibilities of the health, physical education, and recreation professions. Open to superior students at junior and senior levels. Admission by invitation only. Only S/F grades given.

T500 Current Interdisciplinary Topics (1-3 cr.) A flexible format course that facilitates the cooperation of two or more departments in presenting an interdisciplinary approach to the study of important topics of current mutual interest.

T590 Introduction to Research in Health, Physical Education, and Recreation (3 cr.) Methods and techniques of research; potential and completed problems analyzed with view to selection of topics; standards for writing research papers.

T591 Interpretation of Data in Health, Physical Education, and Recreation (3 cr.) Elementary and essential statistical and graphical techniques for analysis and interpretation of data; practice with actual data.

T592 Statistical Techniques of Research in Health, Physical Education, and Recreation (3 cr.) Theory of advanced statistical techniques; practical applications with actual data.

T593 Public Relations (3 cr.) Principles of public relations, human relations, identification, and analysis of publics, problem solving, and techniques in communication media.

T594 Finance and Budgeting (3 cr.) Sources of revenue and budgetary procedures for public leisure service agencies. Fund management, financial analysis, purchasing, contractual agreements, and other fiscal concerns.

T595 Construction and Analysis of Achievement Tests in Health, Physical Education, and Recreation (3 cr.) Principles of construction, selection, interpretation of written achievement tests in health and safety, physical education and recreation, and other evaluative procedures; analysis of standardized tests. Project required to apply principles involved.

T691 Correlational Techniques (3 cr.) P: T592. An introduction to linear regression and correlation, other measures of relationship, and multiple regression and correlation. Application of these techniques in measurement and research. Analysis of covariance.

T693 Experimental Analysis and Design (3 cr.) P: T592 with a grade of B or better. Procedures and principles of experimental research; design, application of statistical techniques, analysis and interpretation of results, assumptions basic to techniques.

T699 Director’s Thesis in Recreation (cr. arr.)

Education Courses

EDUC M303 Laboratory/Field Experience (1 cr.)
EDUC M314 General Methods for Physical Education (3 cr.)
EDUC M403 Laboratory/Field Experience (0-3 cr.)
EDUC M456 Methods of Teaching Physical Education (3 cr.)
EDUC M458 Methods of Teaching Health and Safety (3 cr.)
EDUC M480 Student Teaching: Senior High/Junior High/Middle School (1-16 cr.)
EDUC M482 Student Teaching: All Grades (1-16 cr.)
Faculty

Faculty Emeriti
Aldrich, Anita, Professor Emerita of Physical Education and Professor Emerita of Education
Andres, Ernest H., Jr, Assistant Professor Emeritus of Physical Education
Belise, James J., Associate Professor Emeritus of Kinesiology
Billingeley, Hobart S., Associate Professor Emeritus of Kinesiology
Brantley, Herbert, Professor Emeritus of Recreation and Park Administration
Brogneaux, John P., Assistant Professor Emeritus of Physical Education and Assistant Professor Emeritus of Recreation and Park Administration
Bruce, Ben F., Jr, Associate Professor Emeritus of Physical Education
Cooper, John M., Professor Emeritus of Physical Education
Counsilman, James E., Professor Emeritus of Kinesiology
Crowe, James W., Professor Emeritus of Applied Health Science
Davies, Evelyn A., Professor Emeritus of Recreation and Park Administration
Deppe, Theodore R., Professor Emeritus of Recreation and Park Administration
Getchell, Leroy H., Professor Emeritus of Kinesiology
Hicks, Robert B., Instructor Emeritus of Physical Education
Lawson, Richard W., Associate Professor Emeritus of Recreation and Park Administration
Loft, Bernard I., Professor Emeritus of Health and Safety Education
Ludwig, Donald J., Professor Emeritus of Health and Safety Education
MacLean, Janet R., Professor Emerita of Recreation and Park Administration
Martin, W. Donald, Associate Professor Emeritus of Recreation and Park Administration
Mcauley, Janet E., Associate Professor Emerita of Physical Education
Mindheim, Arthur D., Assistant Professor Emeritus of Kinesiology
Newberg, Sam, Assistant Professor Emeritus of Physical Education
Peterson, James A., Professor Emeritus of Recreation and Park Administration
Remley, Mary Lou, Professor Emerita of Kinesiology
Rillo, Thomas J., Professor Emeritus of Recreation and Park Administration
Ross, John M., Assistant Professor Emeritus of Recreation and Park Administration

Shervin, Hilda A., Assistant Professor Emerita of Kinesiology
Strong, Clinton H., Professor Emeritus of Kinesiology
Summers, D. Dean, Associate Professor Emerita of Physical Education
Updyke, Wynn F., Professor Emeritus of Kinesiology

Faculty

Al-Ali, Abdullah R., Ph.D. (Manchester University, 1994), Visiting Scholar in Kinesiology
Apache, R.R., M.S. (Texas Tech University, 1996), Research Associate in Kinesiology
Austin, David R., Ph.D. (University of Illinois, 1973), Professor of Recreation and Park Administration
Bailey, William J., M.P.H. (Indiana University, 1979), Associate Professor in Applied Health Science, part-time; Director of External Funding, Applied Health Science; Executive Director, Indiana Prevention Resource Center; Co-director, Institute for Drug Abuse Prevention
Boyer, Susanne, P.E.D. (Indiana University, 1991), Assistant Professor of Kinesiology, part-time, and Director of Development and External Affairs
Barcelona, Robert J., M.S. (Indiana University, 1995), Visiting Lecturer in Recreation and Park Administration
Bayless, Kathryn George, M.S. (Indiana University, 1974), Director, Division of Recreational Sports, and Lecturer in Recreation and Park Administration, part-time
Becker, Charles D., B.A. (Indiana University, 1975), Lecturer in Kinesiology, part-time, and in Recreation and Park Administration, part-time, and Director, Office of Underwater Science and Educational Resources
Beerman, Thomas S., M.A. (Ball State University, 1966), Lecturer in Kinesiology, part-time
Bell, Sam, B.S. (University of Oregon, 1957), Head Track Coach and Assistant Professor of Kinesiology, part-time
Bertuccio, Lucille, M.S. (Indiana University, 1990), Lecturer in Recreation and Park Administration, part-time
Billingham, Robert E., Ph.D. (Virginia Polytechnic Institute and State University, 1979), Associate Professor of Applied Health Science
Birch, David A., Ph.D. (The Pennsylvania State University, 1990), Associate Professor of Applied Health Science
Black, Robert E., M.S. (Indiana University, 1985), Athletic Trainer and Lecturer in Kinesiology, part-time
Brayley, Russell, Ph.D. (Texas A&M University, 1990), Associate Professor of Recreation and Park Administration
Brechun, William F., Ph.D. (Indiana University, 1987), Associate Professor of Kinesiology
Brown, James R., Ed.D. (Indiana University, 1973), Associate Professor of Kinesiology
Burns, Donald J., M.S. (Indiana University, 1972), Associate Professor of Kinesiology
Burrus, S. Kay, Ph.D. (University of Michigan, 1974), Associate Dean for Academic Program Administration of the School of Health, Physical Education, and Recreation; and Associate Professor of Kinesiology
Calvin, David, M.S. (Indiana University, 1995), Lecturer in Recreation and Park Administration, part-time
Carlson, Ronald P., P.E.D. (Indiana University, 1971), Associate Professor of Kinesiology and Associate Professor of Education
Chapin, G. Keith, Ph.D. (Michigan State University, 1993), Clinical Associate Professor of Kinesiology
Costill, David L., Ph.D. (The Ohio State University, 1965), Senior Scientist in Kinesiology
Cotman, Donetta J., Ph.D. (University of Maryland, 1996), School of HPER Child Development Professor, Assistant Professor of Kinesiology
Cousins, Lucinda Fox, M.S. (Northern Illinois University, 1973), Lecturer in Kinesiology
Daniels, Dennis E., Dr.P.H. (University of Texas, 1990), William L. Varber Professor, Assistant Professor of Applied Health Science
Dabbagh, Leila, D.P.H. (University of Texas, 1988), Assistant Professor of Applied Health Science, part-time
Dapena, Jesus, Ph.D. (University of Iowa, 1979), Professor of Kinesiology
Decker, Paul A., B.S. (James Madison University, 1998), Lecturer in Recreation and Park Administration, part-time
Ellenberger, Norman D., M.A. (Ball State University, 1959), Lecturer in Kinesiology, part-time
Ellis, Nancy T., H.S.D. (Indiana University, 1979), Associate Professor of Applied Health Science
Engs, Ruth C., Ed.D. (University of Tennessee, 1973), Professor of Applied Health Science
Ewert, Alan W., Ph.D. (University of Oregon, 1982), the Patricia and Joel Meier Endowed Chair in Outdoor Leadership and Professor of Recreation and Park Administration
Ferguson, Denise E., M.S. (Indiana University, 1990), Lecturer, part-time in Applied Health Science
Fielding, Lawrence W., Ph.D. (University of Maryland, 1974), Professor of Kinesiology
Fly, Alyce D., Ph.D. (University of Illinois, 1991), Associate Professor of Applied Health Science
Fravel, Deborah L., Ph.D. (University of Minnesota, 1995), Assistant Professor in Applied Health Science
Frey, Georgia C., Ph.D. (Oregon State University, 1993), Associate Professor of Kinesiology
Gallahue, David L., Ed.D. (Temple University, 1970), Associate Dean for Academic Affairs and Research; and Professor of Kinesiology
Gard, Tim C., M.A. (University of Mississippi, 1979), Administrative Assistant to the Athletic Director and Instructor in Kinesiology, part-time
Gartke, Leah B.A. (Indiana University, 1981), Director of Hilltop Gardens and Nature Center
Gettry, Victoria M., M.Ed. (The Pennsylvania State University, 1987), Visiting Lecturer in Applied Health Science
Gilbert, Kathleen R., Ph.D. (Purdue University, 1987), Associate Professor of Physical Health Science
Gries, Julie A., M.S. (Purdue University, 1994), Visiting Research Associate in Applied Health Science
Grove, Catherine A., Ph.D. (University of Missouri, 1980), Clinical Associate Professor of Kinesiology, and Athletic Trainer
Hall, Ronald, M.P.A. (Indiana University, 1980), Instructional Research Specialist in Applied Health Science
Hamm, Gwendolyn Ann, M.S. (Indiana University, 1972), Associate Professor of Kinesiology
Haven, Betty H., P.E.D. (Indiana University, 1977), Assistant Professor of Kinesiology, part-time
Hawkins, Barbara A., Re.D. (Indiana University, 1979), Professor of Recreation and Park Administration
Henderson, Linda K., M.A. (Indiana University, 1985), Research Associate in Applied Health Science
Henson, Philip L., Ph.D. (Indiana University, 1976), Associate Professor of Kinesiology, part-time, and Assistant to the Chairperson, Kinesiology
Hronek, Bruce B., M.L.S. (Antioch School of Law, 1983), Professor of Recreation and Park Administration, part-time
Jameison, Lynn, Re.D. (Indiana University, 1980), Associate Professor of Recreation and Park Administration
Jannsen, Stephanie M.S., (Indiana University, 1995), Assistant Athletic Trainer, and Lecturer in Kinesiology, part-time
Jastremski, Chester A., M.D. (Indiana University, 1968), Research Associate in Kinesiology, part-time
Kay, Noy, H.S.D. (Indiana University, 1987), Research Associate and Assistant Professor in Applied Health Science, part-time
Miller, K. Michelle M.S. (Indiana University, 1996), Visiting Lecturer in Kinesiology
Mibley, Tony A., Re.D. (Indiana University, 1965), Dean of the School of Health, Physical Education, and Recreation, and Professor of Recreation and Park Administration
Morris, Harold H., P.E.D. (Indiana University, 1972), Chairperson and Professor of Kinesiology
Mull, Richard F., M.S. (West Virginia University, 1968), Director of the Tennis Center and Outdoor Pools, and Special Assistant to the Dean, and Assistant Professor of Kinesiology, part-time
Nagahama, Hissashi, M.Ed. (Tokyo Gakugei University, 1989), Visiting Scholar in Kinesiology
Nevis, James P., M.D. (Autonomous University of Guadalajara, 1972), Professor of Kinesiology, part-time, and Director of Sports Medicine
Niles, Christopher H., M.S. (Indiana University, 1996), Lecturer in Recreation and Park Administration, part-time
Nowicke, Carole E., M.L.S. (University of Maryland, 1986), Research Associate in Applied Health Science
Parks, James B., M.P.A. (American University, 1992), Visiting Research Associate Lecturer in Recreation and Park Administration, part-time
Paxton, Todd S., Ph.D. (University of Minnesota, 1998), Assistant Scientist in Recreation and Park Administration
Pena, Valerie J., B.A. (University of Oklahoma, 1984), Lecturer in Recreation in Park Administration, part-time
Place, Gregory S., M.S.A. (Central Michigan University, 1997), Visiting Lecturer in Recreation and Park Administration
Pogue, Mark A., M.S. (Indiana University, 1989), Lecturer in Applied Health Science, part-time, and Coordinator of Education and Training, Prevention Resource Center
Poppy, Wendelene Kay, M.S. (University of North Carolina, 1985), Athletic Trainer and Lecturer in Kinesiology, part-time
Price, Kari L., M.S. (Ball State University, 1991), Lecturer in Recreation and Park Administration, part-time, and Naturalist at Bradford Woods
Raglin, John S., Ph.D. (University of Wisconsin, 1988), Associate Professor of Kinesiology
Rhine, Samuel A., M.A. (Indiana University, 1972), Adjunct Assistant Professor in Applied Health Science
Ridener, James M., M.S. (Indiana University, 1965, and University of Colorado, 1972), Professor of Recreation and Park Administration, part-time, and Director, Eppley Institute
Robb, Gary M., M.S. (University of Utah, 1968), Associate Professor of Recreation and Park Administration, part-time, and Executive Director, Bradford Woods and National Center on Accessibility
Rogers, Jim, M.A. (Radford University, 1997), Lecturer in Recreation and Park Administration, part-time
Ross, Craig M., Re.D. (Indiana University, 1980), Acting Chairperson and Associate Professor of Recreation and Park Administration
Ruff, Kimberly A., M.B.A. (Indiana University, 1995), Lecturer in Recreation and Park Administration, part-time
Russell, Ruth V., Re.D. (Indiana University, 1984), Professor of Recreation and Park Administration
Sailer, Gary A., Ph.D. (University of Minnesota, 1984), Associate Professor of Kinesiology
Schmidt, Maria K., Ph.D. (Indiana University, 1994), Assistant Professor in Applied Health Science, part-time
Schraer, John W., M.A. (University of Washington, 1975), Assistant Professor of Kinesiology, part-time, Head Athletic Trainer, Intercollegiate Athletics, and Coordinator, Athletic Training Program
Seffrin, John R., Ph.D. (Purdue University, 1970), Professor of Applied Health Science
Sharpless, Daniel R., Re.Dir. (Indiana University, 1970), Lecturer in Recreation and Park Administration, part-time
Shepley, Stuart G., M.S. (Indiana University, 1989), Assistant Professor of Recreation and Park Administration, part-time, Associate Director, Bradford Woods, and Director of Professional Development, Bradford Woods
Sherwood-Puzzello, Catherine M., M.A. (Ball State University, 1989), Research Associate, Lecturer in Applied Health Science, part-time
Shier, Nathan W., Ph.D. (Michigan State University, 1975), Associate Professor of Applied Health Science
Silverman, Lois H., Ph.D. (University of Pennsylvania, 1990), Associate Professor of Recreation and Park Administration
Skinner, James S., Ph.D. (University of Illinois, 1963), Professor of Kinesiology
Smith, W. Kip, M.Ed. (University of Arizona, 1974), Athletic Trainer and Lecturer in Kinesiology, part-time
Solis, Margarita, M.S. (Case Western Reserve University, 1989), Lecturer in Recreation and Park Administration, part-time
Stager, Joel M., Ph.D. (Indiana University, 1980), Associate Professor of Kinesiology and Director, Human Performance Laboratories
Stone, Carol A., M.S. (Indiana University, 1996), Lecturer in Recreation and Park Administration, part-time
Surburg, Paul R., Ph.D. (University of Iowa, 1972), Professor of Kinesiology
Tai-Seale, Thomas S., Ph.D. (University of California, Los Angeles, 1993), Assistant Professor of Applied Health Science
Torabi, Mohammad R., Ph.D. (Purdue University, 1982), Director, Center for Health and Safety Studies; Chancellor’s Professor and Chairperson of Applied Health Science
Unger, Debra S., M.S.W. (New York University, 1995), Lecturer in Recreation and Park Administration, part-time
Vardaxis, Vassilios G., Ph.D. (McGill University, 1995), Assistant Professor of Kinesiology
Voight, Alison E., Ph.D. (University of Oregon, 1983), Assistant Professor in Recreation and Park Administration, part-time
Wallace, Janet Patricia, Ph.D. (The Pennsylvania State University, 1981), Associate Professor of Kinesiology and Director, Adult Fitness Program
Willet, Michael S., M.S. (Indiana University, 1987), Lecturer in Kinesiology, part-time, Manager President’s Challenge/AAU Fitness Programs, and Coordinator of Elective Program
Wolter, Stephen A., M.S. (Indiana University, 1980), Research Associate; Lecturer in Recreation and Park Administration, part-time
Yorker, William L., H.S.D. (Indiana University, 1973), Professor of Applied Health Science
Yeagley, Jerald L., M.Ed. (University of Pittsburgh, 1963), Head Soccer Coach and Assistant Professor of Kinesiology
Zabriskie, Ramon B., M.A. (Brigham Young University, 1993), Visiting Lecturer in Recreation and Park Administration
Alumni Association
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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 1,013 degree programs, the university attracts students from all 50 states and around the world. The full-time faculty numbers more than 4,000 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 92,000 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 Disabled Student Services 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

1. Graduation from a 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).

1 Some academic programs require specific qualifications in addition to those enumerated in this policy.
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.

Courses to develop writing composition skills are strongly recommended.

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.

A score above the median established by Indiana students on 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.

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.

Each campus, at its discretion, may admit a student on a probationary basis and/or through faculty sponsorship.

Transfer Students
1. Submission of official transcripts from all previous institutions attended.
2. The transcripts must reflect a cumulative grade point average of at least 2.0 (on a 4.0 scale) for Indiana residents and at least 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.

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.

Indiana University credits transferred from one campus of Indiana University to another will be evaluated and accepted in terms at least as favorable as credits transferred from other accredited institutions in the United States. No review of the credits will be undertaken except in good faith terms of the same criteria used in evaluating external credits. In fact, students transferring within the Indiana University system are treated much more favorably because of the similarity of course work on the eight campuses.

Students who want to transfer to another campus should follow these procedures:
1. Inform your academic advisor of your decision as soon as possible. Degree requirements may vary from one campus to another but if your advisor knows of your plan, your academic program can be designed to meet the requirements of the campus you will eventually attend.
2. Contact the department chairperson (or the designated advisor) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, students transferring in fine arts must submit portfolios of their work. Music transfer students must be auditioned.
3. As the date of transfer approaches, check with your campus registrar to get information on registration dates and procedures on the other campus. If there is a preregistration or preenrollment procedure at the other campus, you should plan to take advantage of it. Contact the registrar of the other campus to determine whether you can fulfill any of these responsibilities by phone. Your registrar has a direct telephone line to all other registrars.
4. When you arrive on the new campus, contact your assigned academic advisor or department chairperson as soon as possible. Discuss your academic progress to date and the additional coursework required for your program.

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 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 for temporary purposes such as 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), 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.

(c) A person entering the state from another state or country after having been a resident of Indiana shall have residence in Indiana for a period of 12 months immediately preceding the first scheduled day of classes in the semester or other session in which the individual registers in the University, subject to the exception in (c)

(d) A person once 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 currently residing in Indiana 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.

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 the payment of fees.
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
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 May 1999 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 Schedule of Classes.

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, student teaching, and some physical education courses also carry additional fees. See the campus Schedule of Classes 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

<table>
<thead>
<tr>
<th></th>
<th>Indiana Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bloomington Campus</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>$1,876.15 flat fee/semester for 12 to 17 credit hours</td>
<td>$6,229.85 flat fee/semester for 12 to 17 credit hours</td>
</tr>
<tr>
<td></td>
<td>$117.10/credit hour under 12 or over 17</td>
<td>$389.35/credit hour under 12 or over 17</td>
</tr>
<tr>
<td>Graduate and Professional</td>
<td>$4,389.25/semester</td>
<td>$8,778.50/semester</td>
</tr>
<tr>
<td>Business M.B.A. Program</td>
<td>$274.40/credit hour</td>
<td>$549.80/credit hour</td>
</tr>
<tr>
<td>Business</td>
<td>$236.30/credit hour</td>
<td>$605.80/credit hour</td>
</tr>
<tr>
<td>Law</td>
<td>$165.90</td>
<td>$483.25</td>
</tr>
<tr>
<td>Library and Information Science</td>
<td>$196.00/credit hour</td>
<td>$544.30/credit hour</td>
</tr>
<tr>
<td>Optometry</td>
<td>$194.40/credit hour</td>
<td>$527.00/credit hour</td>
</tr>
<tr>
<td>Public and Environmental Affairs M.P.A. and M.S.E.S. Programs</td>
<td>$160.55/credit hour</td>
<td>$467.75/credit hour</td>
</tr>
<tr>
<td>Other</td>
<td>$96.25/credit hour</td>
<td>$26.75/credit hour</td>
</tr>
<tr>
<td>Independent Study Correspondence</td>
<td>$150.00/semester</td>
<td>$150.00/semester</td>
</tr>
<tr>
<td>Dissertation research (G901)</td>
<td>$25.00/credit hour</td>
<td>$25.00/credit hour</td>
</tr>
<tr>
<td>Auditing (no credit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distance Education Special Courses for Schools of Education, Health, Physical Education, and Recreation:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate</td>
<td>Same as rate for on-campus instruction in respective category</td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>Same as rate for on-campus instruction in respective category</td>
<td></td>
</tr>
<tr>
<td><strong>Indianapolis Campus</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>$114.40/credit hour</td>
<td>$356.00/credit hour</td>
</tr>
<tr>
<td>Graduate and Professional</td>
<td>$250.00/credit hour</td>
<td>$500.00/credit hour</td>
</tr>
<tr>
<td>Business M.B.A. Program</td>
<td>$187.50/credit hour</td>
<td>$375.00/credit hour</td>
</tr>
<tr>
<td>Dentistry</td>
<td>$12,190.00/semester</td>
<td>$26,107.80/semester</td>
</tr>
<tr>
<td>Engineering</td>
<td>$171.40/credit hour</td>
<td>$490.00/credit hour</td>
</tr>
<tr>
<td>Law</td>
<td>$228.50/credit hour</td>
<td>$355.00/credit hour</td>
</tr>
<tr>
<td>Medicine</td>
<td>$13,245.00/semester</td>
<td>$30,330.00/semester</td>
</tr>
<tr>
<td>Nursing</td>
<td>$157.60/credit hour</td>
<td>$424.65/credit hour</td>
</tr>
<tr>
<td>Social Work</td>
<td>$160.55/credit hour</td>
<td>$462.95/credit hour</td>
</tr>
<tr>
<td>Master of Accountancy</td>
<td>$187.50/credit hour</td>
<td>$375.00/credit hour</td>
</tr>
<tr>
<td>Other</td>
<td>$157.60/credit hour</td>
<td>$454.65/credit hour</td>
</tr>
<tr>
<td>Dissertation research (G901)</td>
<td>$100.00/semester</td>
<td>$100.00/semester</td>
</tr>
<tr>
<td>Auditing (no credit)</td>
<td>Applicable credit hour rate</td>
<td>Applicable credit hour rate</td>
</tr>
<tr>
<td>Distance Education Special Courses for Allied Health Sciences: Graduate and Undergraduate</td>
<td>Same as rate for on-campus instruction in respective category</td>
<td></td>
</tr>
</tbody>
</table>

1. Includes credit courses in the School of Continuing Studies.
2. M.B.A. students enrolled in 9 or more credit hours of business courses will be assessed a flat rate. Enrollment in any courses other than business will be assessed on a per-credit-hour basis.
3. Graduate business credit hour rates apply to: (a) M.B.A. students enrolled in fewer than 9 credit hours of business courses, and (b) students enrolled in a doctoral business program.
4. To keep their candidacy 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. 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.
5. In addition to instructional fee rates, course fees of $90.00 for Education, $75.00 for HPER, and $50.00 for Library and Information Science will be assessed.

### INCIDENTAL FEES

<table>
<thead>
<tr>
<th>Item</th>
<th>Bloomington Campus</th>
<th>Indianapolis Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for admission</td>
<td>$40.00</td>
<td>$35.00</td>
</tr>
<tr>
<td>Domestic, undergraduate</td>
<td>$45.00</td>
<td>$35.00</td>
</tr>
<tr>
<td>International</td>
<td>$45.00</td>
<td>$55.00</td>
</tr>
<tr>
<td>Delenent service charge</td>
<td>$23.00</td>
<td>$22.00</td>
</tr>
<tr>
<td>Health service fee</td>
<td>$76.50/semester</td>
<td>$32.80/summer I</td>
</tr>
<tr>
<td></td>
<td>$43.70/summer II</td>
<td></td>
</tr>
<tr>
<td>Late payment charge</td>
<td>$52.00/semester</td>
<td>$11.00/month</td>
</tr>
<tr>
<td>Late program change</td>
<td>$20.00/course added</td>
<td>$19.00/course added</td>
</tr>
<tr>
<td>Late registration</td>
<td>$52.00 to $92.00/semester</td>
<td>$50.00/summer session</td>
</tr>
<tr>
<td></td>
<td>$40.00 to $100.00/semester</td>
<td>$40.00 to $65.00/semester</td>
</tr>
<tr>
<td></td>
<td>$23.32 or $33.65/semester</td>
<td>$26.65/semester for Athletic Development</td>
</tr>
<tr>
<td>Student activity fee</td>
<td>$26.75 or $53.51/semester</td>
<td>$26.78, $53.56, $80.35</td>
</tr>
<tr>
<td>Technology fee, fall or spring semesters</td>
<td>$25.00, $50.00, $100.00</td>
<td>$26.78, $53.56, $80.35</td>
</tr>
<tr>
<td>Graduate/professional, nondegree students</td>
<td>$12.00, $25.00, $50.00</td>
<td>(varies)</td>
</tr>
<tr>
<td>Technology fee, summer sessions</td>
<td>$25.00, $50.00</td>
<td>$26.78, $40.17</td>
</tr>
<tr>
<td>Transcripts</td>
<td>$9.00</td>
<td>(varies)</td>
</tr>
<tr>
<td>University Division services fee</td>
<td>$25.00/semester</td>
<td>$7.00</td>
</tr>
<tr>
<td>Business Undergraduate program fee</td>
<td>$200.00/semester</td>
<td></td>
</tr>
</tbody>
</table>

6. Applicable to both in-state and out-of-state students.
7. Fee is assessed if deferred billing option is elected.
8. The health fee is assessed each semester/session on the Bursar's bill for all day and evening students enrolled in more than 3 credit hours. Eligible individuals not covered by the health fee will be seen on a fee-for-service basis.
9. After drop/add period (100 percent refund period), students will be assessed $20.00 in Bloomington and $19.00 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.
10. 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 $52.00 for students who register by the last Friday before classes begin and increases by $10.00 on the Monday of each successive week to a maximum of $92.00. On the Indianapolis campus, a $40.00 late registration fee is in effect upon conclusion of registration through the end of the first week of classes, increasing by $25.00 the first week, $20.00 the second week, and $15.00 the third week to a maximum of $100.00. In Indianapolis summer sessions, a late registration fee of $40.00 is assessed the first week, and $65.00 the second week and thereafter.
11. Bloomington students enrolled in 3 or fewer credit hours during the fall and spring semesters pay a mandatory student activity fee of $26.75. Students enrolled in more than 3 credit hours pay $53.51. Summer-session students pay a fee per session according to the number of credit hours in which they are enrolled: 3 or fewer credit hours, $13.36; more than 3 credit hours, $26.75. At Indianapolis, the student activity fee for 1 to 8 credit hours is $14.95 per semester. Students enrolled in 9 or more credit hours pay $33.65 per semester. Indianapolis students are also charged a $26.65 Athletic Development fee each semester.
12. 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.
**Course Fee Refund Schedule**

<table>
<thead>
<tr>
<th>Time of Withdrawal</th>
<th>Refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-week (or less) classes</td>
<td></td>
</tr>
<tr>
<td>During 1st day of classes</td>
<td>100%</td>
</tr>
<tr>
<td>During 2nd day of classes</td>
<td>50%</td>
</tr>
<tr>
<td>During 3rd day of classes</td>
<td>25%</td>
</tr>
<tr>
<td>and thereafter</td>
<td>None</td>
</tr>
</tbody>
</table>

**Procedure**
See the Schedule of Classes 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 their schools and departments. For courses taken in Bloomington, they should contact the Office of Student Financial Aid Services.

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**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.

<table>
<thead>
<tr>
<th>Undergraduate Benefits</th>
<th>Bloomington and IUPUI Fall/Spring Semesters</th>
<th>IUPUI Summer I</th>
<th>Bloomington Summer I</th>
<th>Bloomington and IUPUI Summer II</th>
</tr>
</thead>
<tbody>
<tr>
<td>full</td>
<td>12 or more</td>
<td>6</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>three-quarters</td>
<td>9-11</td>
<td>4-5</td>
<td>3</td>
<td>4-5</td>
</tr>
<tr>
<td>one-half</td>
<td>6-8</td>
<td>3</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>tuition only</td>
<td>fewer than 6</td>
<td>1-2</td>
<td>1</td>
<td>1-2</td>
</tr>
</tbody>
</table>

| Graduate Benefits      |                                              |                |                      |                                |
|------------------------|                                              |                |                      |                                |
| 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.

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1 Students on the IUPUI campus who are taking Summer I or II classes lasting more than six weeks should check with a VA representative in the Office of the Registrar for positive verification of their benefit status.

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**Key to Course Codes**
- AFRO: Afro-American Studies (College of Arts and Sciences (COAS))
- ANAT: Anatomy (Medical Sciences Program)
- BIOL: Biology (COAS)
- BUS: Business (Kelley School of Business)
- CHEM: Chemistry (COAS)
- CLAS: Classical Studies (COAS)
- CMCL: Communication and Culture
- CSCI: Computer Science (COAS)
- ECON: Economics (COAS)
- EDUC: Education (School of Education)
- ENG: English (COAS)
- HPER: HPER (School of Health, Physical Education, and Recreation)
- JOUR: Journalism (School of Journalism)
- MATH: Mathematics (COAS)
- NURS: Nursing (School of Nursing)
- PHSL: Physiology (Medical Sciences Program)
- PHYS: Physics (COAS)
- POLS: Political Science (COAS)
- PSY: Psychology (COAS)
- SOC: Sociology (COAS)
- SPEA: SPEA (School of Public and Environmental Affairs)
- TEL: Telecommunications (COAS)
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
School of Continuing Studies
School of Education
School of Health, Physical Education, and Recreation
School of Informatics
School of Journalism
Division of Labor Studies
School of Law—Bloomington
School of Library and Information Science
School of Music
School of Optometry
School of Public and Environmental Affairs
University Division
University Graduate School

Indiana University–Purdue University Indianapolis
School of Allied Health Sciences
Kelley School of Business
School of Continuing Studies
School of Dentistry
School of Education
School of Engineering and Technology (Purdue University)
Herron School of Art
School of Journalism
Division of Labor Studies
School of Law—Indianapolis
School of Liberal Arts
School of Medicine
Military Science Program
School of Nursing
School of Physical Education
School of Public and Environmental Affairs
School of Science (Purdue University)
School of Social Work
University College
University Graduate School

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)

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1 Two bulletins are issued: graduate and undergraduate. Undergraduate information about the Schools of Business and Nursing at IUPUI is found in the IUPUI campus bulletin.
2 Bulletins on the General Studies Degree Program and the Independent Study Program are available from this school.
3 There are two Indiana University schools of law. Be sure to specify whether you want a bulletin of the Bloomington or Indianapolis school.
4 Available only to admitted University Division students.
* IUPUI produces one campus bulletin including information about all schools listed here. Schools marked with an asterisk (*) also produce separate bulletins.