INDIANA UNIVERSITY BULLETIN
School of Health, Physical Education, and Recreation

Bloomington Campus

84/86
Indiana University Bloomington
*College of Arts and Sciences
*School of Journalism
*School of Business
*School of Continuing Studies
*School of Education
*School of Health, Physical Education, and Recreation
*School of Law-Bloomington
*School of Music
*School of Optometry
*School of Public and Environmental Affairs
*Graduate School
*School of Library and Information Science
University Division

Indiana University-Purdue University at Indianapolis
*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
*School of Law-Indianapolis
*School of Liberal Arts
*School of Medicine
*Division of Allied Health Sciences
*Division of Continuing Medical Education
*School of Nursing
*School of Physical Education
*School of Public and Environmental Affairs
School of Science (Purdue University)
*School of Social Work
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IUPUI Columbus (Indiana)

The Regional Campuses
Indiana University East (Richmond)
Indiana University at Kokomo
Indiana University Northwest (Gary)
Indiana University at South Bend
Indiana University Southeast (New Albany)
Indiana University-Purdue University at Fort Wayne (IPFW)

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Write directly to the individual regional campus for its bulletin.

1 Two bulletins are issued: graduate and undergraduate.
2 Brochures on the Independent Study Division, Labor Studies, External Degrees, and Real Estate Certification Program are available from this School (Owen Hall).
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Requests for deviation from department, program, or school requirements may be granted only by written approval from the respective chairperson, director, or dean (or their respective administrative representative). Disposition at each level is final.
School of Health, Physical Education, and Recreation

The School of Health, Physical Education, and Recreation of Indiana University is comprised of the Department of Health and Safety Education, the Department of Physical Education, the Department of Recreation and Park Administration, the Division of Recreational Sports, and the Graduate Division. In addition, the school maintains a close working relationship with the Department of Intercollegiate Athletics. Much of the responsibility for the professional preparation of athletic coaches and trainers is shared by the school and the Department of Intercollegiate Athletics, primarily in the form of joint use of faculty, facilities, and equipment.

The program of the school is a reorganized continuation of work of several agencies which have been joined in this administrative unit of the University. The Normal College of the American Gymnastic Union began to train teachers of physical education in 1866—the first educational institution in America to perform this type of professional service. The Physical Welfare Training Department of the School of Education of Indiana University was an outgrowth of work in preparing teachers in physical and health education, with the first graduates in this field receiving degrees in 1926.

The increasing need for highly trained leaders in health, physical education, recreation, and safety gave impetus to the need for a separate University unit to administer the complex, diverse, and interrelated activities and responsibilities of these fields. The School of Health, Physical Education, and Recreation was consequently established as an autonomous unit in the organizational structure of the University on July 1, 1946.

Within each department of the school, course work is offered leading to the Bachelor of Science degree. The graduate program is designed to provide students with a comprehensive understanding of the conceptual framework of their respective fields, in-depth preparation in an area of interest, and a working knowledge of research techniques. Curricula leading to the master's, director's, and doctoral degrees are offered in all of the areas of the school. The School of Health, Physical Education, and Recreation was the first such organization in the country to offer work leading to the director's degree. This is an intermediate degree between the master's degree and the doctorate. It represents an opportunity for securing advanced professional preparation beyond the master's degree for those interested in supervisory, administrative, or master teaching positions in the fields of Health and Safety, Physical Education, or Recreation and Park Administration.

Indiana University, through the School of Health, Physical Education, and Recreation, was among the first institutions of higher learning in the United States to grant the following professional doctoral degrees: Doctor of Health and Safety (H.S.D.), Doctor of Physical Education (P.E.D.), and Doctor of Recreation (Re.D.), and these degrees have been well accepted and are highly regarded nationally. The Doctor of Philosophy (Ph.D.) degree in the area of human performance is offered in the Indiana University Graduate School but administered by the School of Health, Physical Education, and Recreation.

The needs that existed when the school was founded continue to be critical needs of society. New national and state priorities have made the task of the school more important than ever in its history. Among the many other priorities of our nation, physical fitness is more than a dream of a few; it is a commitment of masses of people. The health and safety needs of this country are of prime importance. A growing and diverse population demands improved leisure experiences and expanded recreational outlets.

Throughout its history, the School of Health, Physical Education, and Recreation has enjoyed a national reputation of noteworthy significance. This is most clearly evidenced by the roles of leadership played by the school's faculty in various professional organizations in Health, Safety, Physical Education, and Recreation and by placement of many graduates in key positions in institutions of higher learning, in public education, and in other professional career positions. It has been estimated that one-third of the health and safety programs in higher education in the United States are directed by graduates of the Health and Safety program at Indiana University. At least one-fourth of the Departments of Recreation and Parks in universities throughout the nation are headed by Indiana University graduates. A
university president and more than 40 deans and directors of various HPER programs earned graduate degrees in the Department of Physical Education.

In extending Indiana University's activities at the state, national, and international levels, each of the disciplines represented in the school makes unique contributions. The diverse faculties working in these fields continue to be involved actively, not only with the extension of knowledge, but with the dissemination of knowledge to students in the classroom as well as to other numerous publics.
Departments and Divisions in the School of Health, Physical Education, and Recreation

Department of Health and Safety Education

Chairperson: Professor Seffrin
Professor Ludwig
Associate Professors Crowe, Engs, Howard, Pigg
Assistant Professors Baer, Doty, Merolla, Piercy
Lecturer Bailey

Professional Staff in Hazard Control Burch, Dahlgren, Everett, Hall, Paddock, Priesman, Randolph, Rex

Established as a department in the School of Health, Physical Education, and Recreation in 1946, the Department of Health and Safety Education at Indiana University is one of the oldest and most respected professional preparation programs in the United States. The department enjoys both a national and an international reputation for preparing professionals to assume active roles in the health and safety professions.

Since its organization in 1946, the department has graduated some 1,000 students in public health education, school and college health education, safety management, and occupational safety. The department was the first in the nation to grant a doctoral degree specifically designated for health and safety. The first such degree was granted in 1949. Some 150 individuals have received the Doctor of Health and Safety degree, and many of these individuals currently hold key administrative and leadership roles in the profession.

The department offers undergraduate and graduate degree programs and courses that emphasize the importance of education in the prevention of health problems related to lifestyle and personal health behavior. Three areas of specialization are available to the student.

School and College Health Education is concerned primarily with programs related to the promotion of the health of children and young adults in schools and colleges, and it traditionally includes courses in substance abuse, emergency care, human sexuality, consumerism, and related areas.

Public Health Education is concerned primarily with programs related to promotion of the health of the general public including programs in public, occupational, and clinical settings.

Safety Management is concerned primarily with the promotion of safety through education, inspection, and the control of hazards.

Degree programs currently available in the department include:
Certificate in Hazard Control
Associate of Science (A.S.) in Hazard Control
Bachelor of Science (B.S.) in Health and Safety, with options in School Health Education
Public Health Education
Occupational Safety
Certificate of Health Studies (Graduate)
Master of Science (M.S.) in Health and Safety, with options in School Health Education
Safety Management
Master of Public Health (M.P.H.) in Public Health Education
Director of Health and Safety (H.S.Dir.), with options in School and College Health Education
Public Health Education
Health and Safety Studies
Doctor of Health and Safety (H.S.D.), with options in
   School and College Health Education
   Public Health Education
   Health and Safety Studies
Doctor of Philosophy (Ph.D.) in Health Behavior

In addition to offering a variety of courses and degree programs in the areas of health and
safety, the department is continuously involved in a number of innovative research and
service projects such as:

**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.

**Bibliographic Index of Health Education Periodicals (BIHEP)**  An indexing system providing
the first comprehensive access to literature in the profession.

**Hazard Control Program**  A project primarily designed to educate U.S. Navy personnel in
the area of safety science.

**Operation SmART Decision**  A project to promote responsible decision making among
adolescents concerning the areas of smoking, alcohol use, and other health-related risk
factors.

**Driver and Traffic Safety Education Center**  An instructional complex for preparing driver
education specialists.

**Evaluation of Cancer Education Curriculum Materials**  A contractual project to evaluate the
effectiveness of elementary classroom cancer education materials.

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 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.
Department of Physical Education

Chairperson: Professor Morris
Professors Aldrich, Clarke, Counsilman, Cousins, Endwright, Gallahue, Knight, Miller, Strong, Updyke
Associate Professors Belisle, Billingsley, Bruce, Burns, Burrell, Carlson, Dapena, Dummer, Greer, Hamm, Johnson, Remley, Snygg, Surburg, Watson, Wilkerson
Assistant Professors Bell, Blubaugh, Bopp, Brown, Fitch, Haven, Henson, Hope, Kamen, Mindheim, Mull, Newberg, Schrader, Sherwin, Yeagle
Instructors Corradini, Cummins, Garl, Hannam, Hicks, Lawrence, Lucas, Mauro, Shelmon
Lecturers Beeker, Crews, Fox, Leeds, Noble, Schulz, Smith
Research Associate Jastremski

The Department of Physical Education offers both undergraduate and graduate preparation. An undergraduate Bachelor of Science curriculum for the preparation of teachers, administrators, and coaches leads to a Standard Teaching Certificate, either for grades 7-12 or for K-12. Nonteaching options in Sports Communication (Broadcast Emphasis or Print Emphasis), Sports Marketing and Management, and Sports Science also lead to the Bachelor of Science in Physical Education. Additionally, the department offers programs that emphasize both dance and athletic training.

The undergraduate teacher preparation curriculum is designed around a combination of courses in teaching methodology and the human movement sciences. Professional and technical instruction are given in the various sports, activities, and dance that are commonly taught in public schools, with the addition of appropriate theoretical academic background. The nonteaching programs are interdisciplinary in nature, providing course work in related subject matter as well as appropriate physical education courses. The athletic training curriculum leads to certification by the National Athletic Trainer's Association.

The department offers an extensive program in elective physical education activities open to major students and students in other departments and/or schools on the Bloomington campus. Included in the elective courses are those in aquatics, conditioning, dance, individual sports, racquet sports, and team sports.

The graduate curriculum leads to the Master of Science degree, the Director's degree, the Doctor of Physical Education degree, and the degree Doctor of Philosophy in Human Performance. A variety of emphasis areas are available for graduate degree candidates, including: adapted physical education, administration, athletic training, human performance, social science of sport, curriculum, instruction, and sport fitness. The Ph.D. program in Human Performance emphasizes biomechanics, exercise physiology, and sport psychology (motor learning/control). The department operates human performance research laboratories in these areas and laboratory experiences in motor development.

Department of Recreation and Park Administration

Chairperson: Professor Deppe
Professors Mobley, Peterson, Rillo
Associate Professors Anderson, Austin, Lawson, Martin, Meyer
Assistant Professors Chenery, Robb, Ross, C., Ross, J.
Lecturers Barham, Bayless, Goode, Hamilton, Ragan, Russell, Sharpless

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; camping and outdoor education; and military recreation.

Undergraduate Studies

The undergraduate curriculum, leading to the B.S. degree in Recreation, 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, therapeutic recreation, and environmental education.
Students may select from four emphases:
Public Recreation and Parks
Therapeutic Recreation
Outdoor Recreation
Recreation Leadership and Programming

In addition, students are encouraged to pursue concentrations in such areas as:
Business/Management
Biology
Public Management
Aquatics
General Science
Commercial Recreation
Recreational Sports

Graduate Studies
The graduate curriculum is designed for students who are 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 both clinical and nonclinical therapeutic recreation. The M.S. (Master of Science) in Recreation offers four major options:

Park/Recreation Administration for students interested in public agencies, private/commercial agencies, college unions, or general administration/management.

Outdoor Recreation for students interested in outdoor recreation management, camping administration, or outdoor/environmental education.

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

Therapeutic Recreation for students interested in working with disabled persons in either clinical or nonclinical settings.

Advanced graduate degrees include the Re/dir. (Director of Recreation), the Re/d. (Doctor of Recreation), and the Ph.d. in Leisure Behavior. These degree programs are designed for graduate students wishing to pursue careers in management and administration, and teaching, research, or administration in higher education.

Major programs within the department include:

Bradford Woods Indiana University's nationally recognized outdoor education and camping center. This 2,300 acre center administered by the department is utilized by over 10,000 persons each year in workshops, conferences, academic programs, continuing education, research, and retreats. It is also home of Camp Riley (national demonstration area for camping for the handicapped) and the national headquarters of the American Camping Association.

The Executive Development Program for mid-career park and recreation executives. This program is designed to assist professional leaders in keeping abreast with the changing world and in the continuing development of managerial skills.

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

The Leisure Research Institute provides a special focus for departmental research efforts and expansion of cooperative research projects. Equipped with the latest in available computer support, the institute enables both students and faculty to pursue research with competent support services.

Indiana-Purdue Recreation Extension Services brings together the resources of two great universities in service to the state of Indiana through technical assistance, continuing education, and consulting services.

The Institute on Innovations in Camping and Outdoor Education focuses on the outdoors as an alternative learning environment as well as a treatment and recreational setting for persons with disabilities.
In addition, both graduate and undergraduate students are afforded unique non-classroom experiences through such programs and park and recreational facilities as:
Camp Placement Day
Outdoor Education Assembly
Division of Recreational Sports
Outdoor Recreation Consortium
State and National forests, parks, and recreational areas
YMCA Fitness Center and youth agencies
Older American Center
Developmental Training Center
Indiana Memorial Union

Division of Recreational Sports

Director: Mull
Associate Directors Bayless, Ross
Assistant Director Coates
Coordinators Hailey, Todaro

The division offers the University community a variety of opportunities in sport and physical activity. In this total endeavor, every effort is made to coordinate and apply the most meaningful sport experience possible, making maximum utilization of all University sports facilities. A very popular informal sports program provides for casual self-directed activity.

The IU Fit program offers opportunity for participation in such activities as aerobic rhythm, exer-fit, stretch fit, swim fit, and aquaerobics in addition to individualized fitness assessments. The intramural sports program allows for men’s, women’s, and mixed tournaments in team, dual, individual, and meet competition. The Club Sports program provides for student groups to organize because they share a common interest in a particular sport, whether the emphasis within the club is social, instructional, or competitive.

As part of the overall program, numerous paid and volunteer leadership experiences are available to students who wish to get involved in supervising, officiating, unit management, or committee work. This phase of the program is coordinated within the school, providing a laboratory for majors. Through the appropriate academic unit, an outgrowth of the lab is a graduate option in Recreational Sports Administration.
Undergraduate Program

Students seeking to qualify for the bachelor’s degree should confer with an official adviser of the dean’s office concerning a detailed outline of the curriculum in which they are interested.

Special Requirements and Restrictions

Correspondence Study Work taken in absence for credit may be accomplished through the Division of Independent Study; however, entrance requirements of the school must have been satisfied prior to registration if the work is to be applied toward a degree. Special permission of the dean of the school is required of students in residence on the Bloomington campus to register for correspondence work.

Residence A minimum of 30 of the last 60 semester hours of university work must be done in residence on the campus at Bloomington, and two of the last four semesters of work must be completed after entering the School of Health, Physical Education, and Recreation. The dean must approve any plan for off-campus work.

Hours and Grade-Point Average Requirements A minimum of 124 semester hours of credit are required for graduation.

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; B− = 2.7; C+ = 2.3; C = 2; C− = 1.7; D+ = 1.3; D− = 0.7; and F = 0. No points are assigned for I, S, P, or W. A minimum cumulative grade-point average of C (2.0) is required for the baccalaureate degree. In addition, a minimum grade-point average of 2.0 is required of all courses completed in the major area and in the minor area.

Note: Although course work may be transferred to Indiana University from another institution, only the grades earned in courses taken at Indiana University will be used to compute a student’s grade-point average.

Restrictions No course below the 100 level, no COAS-J courses, and no Educ.-F courses may be used to satisfy the general education requirements. Credit for Math M114 may not be applied toward a degree. A maximum of 3 hours of credit in Educ. M135, Self Instruction in Art, may be counted toward a degree.

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

Course Load A student is expected to carry from 12 to 16 hours of academic work a semester. Permission to carry fewer than 12 hours of work may be obtained only in special cases and from the Dean of the School of Health, Physical Education, and Recreation. A student who has made an average of at least three credit points for each hour taken in the semester immediately preceding may receive permission from the dean to carry more than 18 hours. The maximum number of hours to be carried by a student is 19 hours.

Pass/Fail Option A student may enroll in one course per semester on the pass/fail option, providing the course is not in the student’s major or minor field. The election of this option must be exercised by the student within the first three weeks of the semester. A grade of P is not counted in computing grade-point averages; a grade of F is included. A grade of P cannot be changed subsequently to a grade of A, B, C, or D.

Withdrawals from Courses Withdrawals during the first three weeks of a semester or first two weeks of a summer session are automatically marked W. Withdrawals which would reduce a student’s enrollment below 12 hours or interrupt his or her 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 a low grade 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 WF 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 the grade of F.

**Incomplete** A grade of I is given only when the work of the course is substantially completed and when the student's work is 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.

A student must remove the Incomplete within one calendar year from the date of its recording, except that the dean may authorize adjustment of this period in exceptional circumstances. **If the student fails to remove the Incomplete within the time allowed, the dean will authorize the Registrar's Office to change the grade to F.** Both the student and the instructor will be notified of this change in grade.

When the grade of Incomplete is given because the student missed the final examination, the student will be allowed to remove the Incomplete by taking the examination only with the approval of the Committee on Absence and the instructor.

**Students may not register in a course in which they have a grade of Incomplete.** These regulations do not apply to research and reading courses in which completion of the work of the course is not necessarily required at the end of the semester. Once a student has graduated, nothing in these regulations shall prohibit the Incomplete from remaining on the record.

**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 petitions that an exception be made and the request is approved by the dean of the school in which the course is offered and the dean of the school in which the student is enrolled.

**Absences** Officially 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 temporarily a 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.

**Probation** Students are placed on probation for the semester succeeding the one in which they fail to earn a C average. Students remain on probation as long as they earn less than a C average in a given semester or have less than a cumulative C average.

**Dismissal** At the discretion of the Scholarship and Probation Committee, students may be dismissed from the school if they (1) make less than a D average for a semester, (2) are more than nine credit points below a cumulative C average, or (3) are on probation for two consecutive semesters. In special cases a student who has been dismissed may petition the committee for readmission.

**Admission—Athletic Training Emphasis** The number of admissions to the professional athletic training program emphasis is necessarily limited to the number of practicum spaces available. A student desiring entrance into the program is eligible for consideration under the following conditions:

1. Completion of at least 26 semester hours of credit.

Students who apply for admission into this program are interviewed. Acceptance is based upon a student's total academic record, background, and experiential factors as long as openings in the program exist.

Students satisfying the athletic training program emphasis conditions stated above are not guaranteed positions in the program.
Admission—Department of Health and Safety Education  The department welcomes inquiries from high school students, University Division students, and upper-division students concerning admission to programs in school health education, public health education, occupational safety, and hazard control technology. 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.

Admission—Department of Recreation and Park Administration  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 R160, Man, His Leisure and Recreation, will be given the appropriate application materials. Other students seeking admission to the department must fill out the necessary application forms and have a personal interview with a faculty member in the department.

Student Eligibility and Evaluation Policy—Department of Physical Education  The Department of Physical Education has established a student eligibility and evaluation policy for students in the teacher certification program. The three phases of the plan include the following:

Phase I. Sophomore Level  A student earning below an overall grade-point average of 2.3 at the end of the first semester of the sophomore year (or 38 hours) will be required to meet in conference with a member(s) of the appointed eligibility and evaluation committee to discuss the student’s performance.

A student will be required to meet with a member(s) of the committee for counseling and possible guidance each semester the grade-point average is below 2.3 thereafter. The conferences will be held under the theme of diagnostic counseling.

Upper level students transferring to the department will be evaluated in the same manner after they have completed one semester.

Phase II. Junior Level  Students must attain a grade-point average of 2.3 overall and a grade-point average of 2.3 in the major before being allowed to apply for student teaching experience.

Phase III. Senior Level  Students must attain a grade-point average of 2.3 in the major before being released for their student teaching experience.

Admission to the Teacher Education Program  Students wishing to obtain a teaching certificate must be admitted to the Teacher Education Program. Most undergraduate professional education courses will be closed to students who have not yet been formally admitted to the Teacher Education Program. The standards for admission to the Teacher Education Program, listed below, apply to both education and non-education majors.

1. An overall GPA of 2.3 or higher.
2. A GPA of 2.3 (C+) or higher in the course Speech S121.
   Note: S121 for Bloomington students may not be taken by correspondence.
3. For Secondary, junior high/middle school, and all-grades majors:
   a. P252, or P253, or P254 and M201 and in Bloomington M300 with a grade of at least C in each.
   b. At least a 2.3 GPA in twelve hours of the major.
   c. A passing score on competency tests in reading and writing.

Teaching Certificates  Students starting their undergraduate programs after August 1978 will follow the new state certification requirements. Such students must confer with an advisor of the school for specific requirements. In most cases when students complete their degree, they have also fulfilled requirements for teacher certification.

General Education Required for the Standard License in Junior High/Middle School, Secondary School, and All-Grade Education  A minimum of 45 credit hours is required, always including nine credit hours in specified courses in oral and written expression. The same general education requirements for the standard license in Junior High/Middle School Education and Secondary School Education also apply to the standard license in All-Grade
Education, except that the minimum number of credit hours required for the All-Grade license is 40.

Course work must be included from the three areas indicated: Humanities, 18-24 (18-22 for All-Grade); Life and Physical Sciences, 9-15 (9-12 for All-Grade); and Social and Behavioral Sciences, 9-15 (9-12 for All-Grade).

Note: In order to attain the minimum 45 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 hours in each category is also limited by a maximum number.

**Humanities ......................................................... 18-24 cr.**

**Oral and Written Expression .................................................. 9 cr.**

**Oral** ......................................................... 2 cr.

Speech S121, 2

**Written ......................................................... 2 cr.**

Eng. W116 (3 cr.)  Eng. W131 (3 cr.)
Eng. W143 (3 cr.)  Eng. L141 (1)\(^1\)
Eng. W198 (2 cr.)  Eng. L142 (1)\(^1\)

Electives—to make at least 9 hrs.

Any courses from the above or:

Eng. W103 (3 cr.)  Jour. J200 (3 cr.)
Eng. W203 (3 cr.)  Jour. J327 (3 cr.)
Eng. W231 (3 cr.)  Spch. S122 (2 cr.)
Eng. W301 (3 cr.)  Spch. S324 (3 cr.)
Eng. W350 (3 cr.)

**Remaining Humanities:**

Distribution to be selected from at least two departments listed below. Either Speech or English may be used as one of the departments, but some work must be taken outside those two departments to fulfill the distributional requirement. See the Education Bulletin for specific approved course numbers.

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**Life and Physical Sciences ................................. 9-15 cr.**

**Life Sciences ......................................................... 3 cr.**

Anat. & Phys. P215 (5 cr.)  Biol. L360 (3 cr.)
Biol. L100 (5 cr.)  Biol. L369 (3 cr.)
Biol. L270 (3 cr.)  Biol. L370 (3 cr.)
Biol. L302 (3 cr.)  Biol. P130 (4 cr.)

Electives to complete the 9 credits.

Any course from A or B or any of the HPER courses listed below. The HPER courses may be taken only after A and B have been finished.

HPER H363 (3 cr.)
HPER F397 (3 cr.)
HPER F409 (3 cr.)

\(^{1}\) L141 and L142 are 4-hour courses. Three hours of each course will count as literature and one hour will count as composition.
Physical Sciences and Mathematics ........................................ 3 cr.
Astro. A100 (3 cr.), A105 (3 cr.), A110 (3 cr.), A120 (3 cr.)
Chem. C100 (3 cr.), C101(C2)121 (5 cr.), C102/122 (5 cr.), C105/125 (4 cr.), S106 (3 cr.)
C. Sci. C201 (4 cr.), C203 (3 cr.), C296 (2 cr.), C301 (1 cr.), C303 (1 cr.)
Geol. G103 (3 cr.), G104 (3 cr.)
Math. M110 (3 cr.), M118 (3 cr.), M119 (3 cr.), M120 (3 cr.), M125 (3 cr.), M126 (3 cr.), M215 (3 cr.), M216 (3 cr.)
Geog. G107 (3 cr.), G208 (3 cr.), G304 (3 cr.), G315 (3 cr.), G405 (3 cr.), G407 (3 cr.), G477 (3 cr.)
Phys. P101 (4 cr.), P102 (4 cr.), P110 (2 cr.), P120 (3 cr.), E250 (3 cr.)

Social and Behavioral Sciences ......................................... 9-15 cr.
(All-Grade 9-12 cr.)
Distribution of 9 credit hours to be selected from at least three of the following departments:
Anth. A105 (3 cr.), E105 (3 cr.), A303 (3 cr.), A304 (3 cr.), B200 (3 cr.), E200 (3 cr.)
Econ. E103 (3 cr.), E104 (3 cr.), E300 (3 cr.), E301 (3 cr.)
Non-Pys. Geog. G110 (3 cr.), G213 (3 cr.), G306 (3 cr.), G313 (3 cr.), G314 (3 cr.), G320 (3 cr.)
Hist. H103 (3 cr.), H104 (3 cr.), H105 (3 cr.), H106 (3 cr.), H111 (3 cr.), H112 (3 cr.)
Pol. Sci. Y103 (3 cr.), Y105 (3 cr.), Y107 (3 cr.), Y109 (3 cr.), Y200 (3 cr.), Y204 (3 cr.), Y205 (3 cr.), Y302 (3 cr.), Y303 (3 cr.), Y307 (3 cr.), Y308 (3 cr.)
Psych. P101 (3 cr.), P102 (3 cr.), P106 (3 cr.)
Soc. S100 (3 cr.), S101 (3 cr.), S210 (3 cr.), S230 (3 cr.)

Certificate in Hazard Control
A one-year program of study for the entry level practitioner interested in becoming a safety technician or who will have safety as a collateral responsibility.

First Semester, Total 16-17 cr.
HPER S101 Introduction to Safety Science (3 cr.)
HPER S151 Safety Codes and Standards (3 cr.)
HPER H201 Introduction to Industrial Hygiene (3 cr.)
Eng. W131 Elementary Composition (3 cr.)
Life/Physical Science Electives (4-5 cr.)

Second Semester, Total 15-16 cr.
HPER S251 Accident Investigation, Analysis and Reporting (3 cr.)
HPER S202 Fundamentals of Fire Protection (3 cr.)
HPER S253 Hazard Control Program Management (3 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Spch. S121 Public Speaking (2 cr.)
Electives (1-2 cr.)

Associate of Science Degree in Hazard Control
A two-year program to prepare entry level specialists, building upon the one-year certificate program, which provides a professional background for students interested in pursuing a baccalaureate degree in safety.

First Semester, Total 15 cr.
HPER S101 Introduction to Safety Science (3 cr.)
HPER S151 Safety Codes and Standards (3 cr.)
HPER H201 Introduction to Industrial Hygiene (3 cr.)
Eng. W131 Elementary Composition (3 cr.)
Math. M118 Finite Math (3 cr.)

Second Semester, Total 17 cr.
HPER S251 Accident Investigation, Analysis and Reporting (3 cr.)
HPER S202 Fundamentals of Fire Protection (3 cr.)
HPER S253 Hazard Control Program Management (3 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Spch. S121 Public Speaking (2 cr.)
Electives (3 cr.)

First Semester, Total 16 cr.
HPER H160 First Aid (2 cr.)
HPER S252 Human Factors Analysis (3 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
OR
Phsl. P215 Basic Mammalian Physiology (5 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Chem. C100 Chemistry (3 cr.)

Second Semester, Total 16 cr.
Phys. P101 Physics in the Modern World (4 cr.)
Pol. Sci. Y103 Introduction to American Politics (3 cr.)
HPER H363 Personal Health (3 cr.)
HPER S152 General Industry Standards (3 cr.)
Electives (3 cr.)

Health and Safety Major

Emphasis: Teacher Preparation
Four-year program leading to a Provisional Teaching Certificate and the degree Bachelor of Science in Health and Safety (minimum of 124 credit hours).

Professional Health and Safety Courses (40 hours required)
Anat. A215 Basic Human Anatomy (5 cr.)
Phsl. P215 Basic Mammalian Physiology (5 cr.)
HPER H160 First Aid (2 cr.)
HPER H363 Personal Health (3 cr.)
HPER H366 Health Problems in Community (3 cr.)
HPER H464 Organization of Health Education (2 cr.)
HPER H465 Community Health Education (3 cr.)
HPER H499 Research in Health and Safety (1 cr.)
HPER S350 Content and Material in Safety Education (2 cr.)
H.Ec. H231 Human Nutrition (3 cr.)
H.Ec. H458 Family and Consumer Law (3 cr.)
Biol. L369 Heredity, Evolution, and Society (3 cr.)
Select two courses from the following:
H.Ec. H258 Marriage and Family Interaction (3 cr.)
HPER H460 Instructor’s Course in First Aid (2 cr.)
Soc. S309 The Community (3 cr.)
Soc. S316 Sociology of the Family (3 cr.)
Fors. P462 Physical and Sexual Abuse of Children (3 cr.)
Fors. P493 Soc Control of Death and Dying (3 cr.)
Fors. P493 Some Aspects of Victim (3 cr.)

Life and Physical Science (15 hours required)
Life Science (10 hours required)
Biol. L100 Man and Biological World (5 cr.)
Sufficient electives from Biology to complete remaining 5 hours

Physical Science (5 hours required)
Chem. C100 Chemistry (3 cr.)
OR
Chem. C101 Elementary Chemistry I (3 cr.)
Chem. C121 Elementary Chemistry Lab (2 cr.)

Humanities (18-24 hours required)
Oral & Written Expression (9 hrs. required)
Spch. S121 Public Speaking (2 cr.)
Eng. W131 Elementary Composition (3 cr.)
Electives 9 hours (recommended1)
Eng. W103 Introduction to Creative Writing (3 cr.)
Eng. W231 Professional Writing Skills (3 cr.)
Spch. S122 Interpersonal Communication (2 cr.)
Eng. W143 Expository Writing2 (1 cr.)
Remaining Humanities (9-15 hours required)

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1 Courses listed are recommended. See an adviser for specific approved courses.
2 May be taken more than one time.
Jour. J111 Verbal Communication (3 cr.)

OR

Tel. C200 Introduction to Mass Communication (3 cr.)
Additional electives to complete requirement. See adviser for approval.

Social and Behavioral Sciences (15 hours required)
Required 9 hours
Psyc. P101 Introductory Psychology (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Pol.Sci. Y103 Introduction to American Politics (3 cr.)
Electives 6 hours (recommended)
Soc. S309 The Community (3 cr.)
Soc. S316 Sociology of the Family (3 cr.)
Econ. E103 Introduction to Microeconomics (3 cr.)
See the Bulletin of the School of Education for required courses in the area of professional education.

Suggested course schedule for the First Year in Health and Safety Major (Teacher Preparation)
First Semester, Total 16 cr.
Biol. L100 Man and the Biological World (5 cr.)
Eng. W131 Elementary Composition I (3 cr.)
Spch. S121 Public Speaking (2 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Electives (3 cr.)

Second Semester, Total 16 cr.
Chem. C100 Chemistry (3 cr.)
OR
Chem. C101 Elementary Chemistry (3 cr.)
Chem. C121 Elementary Chemistry Laboratory (2 cr.)
Psyc. P101 Introductory Psychology I (3 cr.)
HPER H160 First Aid (2 cr.)
Jour. J111 Verbal Communication (3 cr.)
OR
Tel. C200 Introduction to Mass Communications (3 cr.)
Electives (3 cr.)

Health and Safety Major
Emphasis: Public Health Education Specialist
Four-year program leading to the degree Bachelor of Science in Health and Safety with emphasis in the areas of community health education and allied health sciences (minimum 124 credit hours).

Professional Health and Safety Courses (57-61 hours required)
Anat. A215 Basic Human Anatomy (5 cr.)
Phsl. P215 Basic Mammalian Physiology (5 cr.)
HPER H160 First Aid (2 cr.)
HPER H363 Personal Health (3 cr.)
H.Ec. H458 Family & Consumer Law (3 cr.)
Educ. R543 Preparation of Inexpensive Materials (3 cr.)
H.Ec. H258 Marriage and Family Interaction (3 cr.)
H.Ec. H231 Human Nutrition (3 cr.)
HPER H366 Health Problems in the Community (3 cr.)
HPER H460 Instructor's Course in First Aid (2 cr.)
HPER H464 Organization of Health Education (2 cr.)
HPER S350 Content and Material in Safety Education (2 cr.)
HPER H465 Community Health Education (3 cr.)
HPER H499 Research in Health and Safety (1 cr.)
HPER C490 Field Work (1 semester) (8-12 cr.)
Electives 9 hours from the following:
Soc. S309 The Community (3 cr.)
Bus. Z300 Organizational Behavior & Leadership (3 cr.)
Biol. L369 Heredity, Evolution, and Society (3 cr.)
Bus. K201 Computers in Business (3 cr.)
Clas. C209 Greek/Latin Elements in Medical Terminology (2 cr.)
SPEA V170 Public and Environmental Affairs (3 cr.)
SPEA V316 Introduction to Environmental Health (3 cr.)
Fors. P493 Society Control in Death/Dying (3 cr.)
Fors. P493 Some Aspect of Victim (3 cr.)
HPER S456 Traffic Safety Education for Teachers (4 cr.)

**Life and Physical Science (18 hours required)**
- Biol. L100 Man and Biological World (5 cr.)
- Chem. C100 & C121 Chemistry (5 cr.)
- Micr. M200 Micro Organism in Nature and Disease (3 cr.)
- Micr. M315 Micro Lab (2 cr.)
- Biol. L350 Environmental Biology (3 cr.)

**Social and Behavioral Science (24 hours required)**
- Psy. P101 Introduction to Psychology (3 cr.)
- Psy. P102 Introduction to Psychology II (3 cr.)
- Psy. P316 Psychology of Childhood and Adolescence (3 cr.)
- Soc. S100 Sociological Analysis of Society (3 cr.)
- Soc. S101 Social Problems and Policies (3 cr.)
- Soc. S210 Social Organization (3 cr.)
- Soc. S316 Sociology of the Family (3 cr.)
- Soc. S230 Society and the Individual (3 cr.)

**Humanities (18 hours required)**
- Oral and Written Expression (9 hours required)
  - Required Courses
  - Spch. S121 Public Speaking (2 cr.)
  - Eng. W131 English Composition (3 cr.)
  - Electives 9 hours
  - Eng. W103 Introduction to Creative Writing (3 cr.)
  - Eng. W231 Professional Writing Skills (3 cr.)
  - Spch. S122 Interpersonal Communication (2 cr.)
  - Eng. W143 Expository Writing (1 cr.)
  - Remaining Humanities (9-15 hours required)
  - Required Courses
  - Jour. J111 Verbal Communication (3 cr.)
- OR
- Tel. C200 Introduction to Mass Communication (3 cr.)
- Sufficient electives to fulfill 18 hour requirement

**Suggested Course Schedule for the First Year in Health and Safety Major (Public Health Education Specialist)**

**First Semester, Total 16-17 cr.**
- HPER H160 First Aid (2 cr.)
- Eng. W131 Elementary Composition I (3 cr.)
- Spch. S121 Public Speaking (2 cr.)
- Psy. P101 Introductory Psychology I (3 cr.)
- Biol. L100 Man and the Biological World (5 cr.)
- Electives (1-2 cr.)

**Second Semester, Total 16 cr.**
- Chem. C100 Chemistry (3 cr.)
  - OR
  - Chem. C101 Elementary Chemistry I (3 cr.)
  - Chem. C121 Elementary Chemistry Laboratory (2 cr.)
  - Eng. W103 Introductory Creative Writing (3 cr.)
  - Spch. S122 Interpersonal Communication (2 cr.)
  - Psy. P102 Introductory Psychology II (3 cr.)
  - Electives (3 cr.)

**Health and Safety Major**

**Emphasis: Occupational Safety Specialist**
Four-year program leading to the degree Bachelor of Science in Health and Safety with an option as Specialist in Occupational Safety (minimum 124 credit hours).
Professional Health and Safety Courses (55-61 hours required)
Anat. A215 Basic Human Anatomy (5 cr.)
Phsl. P215 Basic Mammalian Physiology (5 cr.)
HPER H160 First Aid (2 cr.)
HPER H363 Personal Health (3 cr.)
HPER S351 Leadership Development in the Shooting Sports (2 cr.)
HPER H460 Instructor’s Course in First Aid (2 cr.)
HPER H465 Community Health Education (3 cr.)
HPER S250 Content and Material in Safety Education (2 cr.)
Bus. T300 Principles of Transportation (3 cr.)
Educ. R543 Preparation of Inexpensive Materials (3 cr.)
HPER S490 Field Experience in Safety Education (2-8 cr.)
HPER S456 Traffic Safety Education for Teachers (4 cr.)
HPER H366 Health Problems in the Community (3 cr.)
Bus. K201 Computer in Business (3 cr.)
Bus. Z200 Organization of Behavior and Leadership (3 cr.)
SPEA V260 Topics in Public Affairs (3 cr.)
SPEA V316 Introduction to Environmental Health (3 cr.)
SPEA V170 Public and Environmental Affairs (3 cr.)
HPER H499 Research in Health and Safety (1 cr.)
Hazard Control Technology (9 hours required; select three of the following four courses)
HPER S101 Introduction to Safety Science (3 cr.)
HPER S151 Safety Codes and Standards (3 cr.)
HPER H201 Introduction to Industrial Hygiene (3 cr.)
HPER S202 Fundamentals of Fire Protection (3 cr.)
Life and Physical Science (15 hours required)
Life Science (10 hours required)
Biol. L100 Man and Biological World (5 cr.)
Sufficient electives from biology to complete remaining 5 hours
Physical Science (5 hours required)
Chem. C100 Chemistry (3 cr.)
OR
Chem. C101 Elementary Chemistry I (3 cr.)
Chem. C121 Elementary Chemistry Lab (2 cr.)
Humanities (18-24 hours required)
Oral & Written Expression (9 hours required)
Spch. S121 Public Speaking (2 cr.)
Eng. W131 Elementary Composition (3 cr.)
Electives 9 hours (recommended)
Eng. W231 Professional Writing Skills (3 cr.)
Spch. S122 Interpersonal Communication (2 cr.)
Eng. W143 Expository Writing (1 cr.)
Remaining Humanities (9-15 hours required)
Jour. J111 Verbal Communication (3 cr.)
OR
Tel. C200 Introduction to Mass Communication (3 cr.)
Additional electives to complete requirement. See adviser for approval.
Social and Behavioral Sciences (15 hours required)
Required 9 hours
Psy. P101 Introductory Psychology (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Pol.Sci. Y103 Introduction to American Politics (3 cr.)
Electives 6 hours (recommended)
Soc. S309 The Community (3 cr.)
Soc. S316 Sociology of the Family (3 cr.)
Econ. E103 Introduction to Microeconomics (3 cr.)

1 Courses listed are recommended. See an adviser for specific approved courses.
2 May be taken more than one time.
Suggested Course Schedule for the First Year in Health and Safety Major (Occupational Safety Specialist)

**First Semester, Total 16 cr.**
- Eng. W131 Elementary Composition (3 cr.)
- Psy. P101 Introductory Psychology (3 cr.)
- Biol. L101 Man and the Biological World (5 cr.)
- Spch. S121 Public Speaking (2 cr.)
- HPER S101 Introduction to Safety Science (3 cr.)

**Second Semester, Total 17 cr.**
- Chem. C100 Chemistry (3 cr.)
- Soc. S100 Sociological Analysis of Society (3 cr.)
- Math. M118 Finite Math (3 cr.)
- HPER H160 First Aid (2 cr.)
- HPER S151 Codes and Standards (3 cr.)
- Electives (3 cr.)

**Health and Safety Minor**

The following courses are required to meet minor teaching certification in health and safety:
- HPER H160 First Aid (2 cr.)
- HPER H363 Personal Health (3 cr.)
- HPER H366 Health Problems in the Community (3 cr.)
- HPER H464 Organization of Health Education (2 cr.)
- HPER H465 Community Health Education (3 cr.)
- HPER H499 Research in Health and Safety (1 cr.)
- HPER S350 Content and Materials in Safety Education (2 cr.)
- Phbl. P215 Basic Mammalian Physiology (5 cr.)
- Soc. S309 The Community (3 cr.)

**Driver Education Endorsement**
- HPER S350 Content and Materials in Safety Education (2 cr.)
- HPER S456 Traffic Safety Education for Teachers (4 cr.)
- HPER S458 Driver Education Multiple Instruction Techniques (3 cr.)

Select one of the following courses:
- SPEA j326 Highway Safety Administration (3 cr.)
- Fors. P341 Traffic Regulation and Control I (3 cr.)

**Physical Education Major Degree Programs**

**Teacher Certification Programs**
Students may obtain a Bachelor of Science degree in Physical Education with teaching certification through their choice of two types of teaching licenses—*All-Grade or Secondary Education*. (See the Bulletin of the School of Education for required courses in the area of professional education).

**Non-Teaching Programs**
Students may obtain a Bachelor of Science degree in Physical Education through completion of options in Sports Communication (Broadcast or Print Emphasis), Sports Marketing and Management, or Sports Science. These programs do not lead to teacher certification.

**Description of Teaching Degree Programs**

**All-Grade Teaching License**  The All-Grade program allows a student to obtain a Bachelor of Science degree in Physical Education with license to teach grades K-12. Within this program a student may elect an emphasis area in Adapted Physical Education, Aquatics, Coaching, Dance, Elementary Physical Education, Gymnastics, or an individualized program.

**Secondary Teaching License**  The Secondary program allows a student to obtain a Bachelor of Science degree in Physical Education with license to teach grades 7-12. This program does not require an emphasis area, although through appropriate scheduling, students may design one of their choice. This curriculum, however, is pursued along with a teaching minor or appropriate alternative. Placement opportunities are enhanced if a student elects a minor.
Course Requirements for All-Grade and Secondary License Programs

Required HPER Courses
HPER P121 Performance of Individual Sports or exemption (0-2 cr.)
HPER P122 Performance of Team Sports or exemption (0-2 cr.)
HPER P221 Performance of Rhythm and Dance (2 cr.)
HPER P222 Performance and Teaching of Gymnastics (2 cr.)
HPER P323 Teaching of Individual Sports (2 cr.)
HPER P325 Teaching of Team Sports (2 cr.)
HPER P240 Foundations of Physical Education (2 cr.)
HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
HPER P397 Kinesiology (Prereq. Anat. A215) (3 cr.)
HPER P398 Adapted Physical Education (Prereq. Anat. A215) (3 cr.)
HPER P409 Physiology of Exercise (Prereq. Phsl. P215) (3 cr.)
HPER P493 Tests and Measurements in Physical Education (3 cr.)
HPER P497 Organizational and Curricular Structures of Physical Education K-12 (3 cr.)

Select 4 Courses from the Following:
HPER P225 Performance and Teaching of Archery (1 cr.)
HPER P226 Performance and Teaching of Badminton (1 cr.)
HPER P227 Performance and Teaching of Bowling (1 cr.)
HPER P228 Performance and Teaching of Field Hockey (1 cr.)
HPER P230 Performance and Teaching of Golf (1 cr.)
HPER P231 Performance and Teaching of Martial Arts (1 cr.)
HPER P234 Performance and Teaching of Wrestling (1 cr.)
HPER P321 Teaching of Folk and Square Dance (2 cr.)
HPER P326 Advanced Life Saving and Water Safety Instruction (2 cr.)
HPER D351 Teaching of Modern Dance (1 cr.)

Elect 6 Hours of Professional Physical Education Course Work Numbered 200-Level or Above (Includes HPER Prefix P—Physical Education, A—Athletics, D—Dance)—see course descriptions for Physical Education, Professional Preparation Program in the back of this bulletin.

Emphasis Areas in All-Grade License Program  Contact departmental offices or advisers for complete information.
Adapted Physical Education
Aquatics
Coaching
Dance
Elementary Physical Education
Gymnastics
Individualized Program

Special Requirements
1. Swimming proficiency is required. Teachers of swimming in the state of Indiana must hold a valid Water Safety Instructor (WSI) Certificate or its equivalent.
2. HPER H160 First Aid or Standard First Aid Certificate.

Suggested Course Schedule for First Year in Physical Education Major

First Semester, Total 14-16 cr.
HPER P121 Performance of Individual Sports or exemption (0-2 cr.)
HPER P240 Foundations of Physical Education (2 cr.)
HPER P Performance and Teaching Elective (1 cr.)
Eng. Humanities Written Expression (2-3 cr.)
Social and Behavioral Sciences (3 cr.)
Physical Sciences or Mathematics (3 cr.)
Electives (2 cr.)

Second Semester, Total 15-17 cr.
HPER P122 Performance of Team Sports or exemption (0-2 cr.)
HPER P Performance and Teaching Elective (1 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Sphc. S121 Public Speaking (2 cr.)
Social and Behavioral Sciences (3 cr.)
Humanities Area Oral and Written Expression (3-5 cr.)
Physical Education Major

Dance Emphasis
Four-year program with a concentration in Dance leading to a Secondary Provisional Teaching Certificate and the degree Bachelor of Science in Physical Education.

Physical Education (22-23 cr.)
HPER P222 Performance and Teaching of Gymnastics (2 cr.)
HPER P323 Teaching of Individual Sports (2 cr.)
HPER P325 Teaching of Team Sports (2 cr.)
HPER P290 Movement Experiences for Preschool and Elementary School Children (2 cr.)
HPER P397 Kinesiology (Prerequisite Anat. A215) (3 cr.)
HPER P998 Adapted Physical Education (Prerequisite Anat. A215) (3 cr.)
HPER P409 Physiology of Exercise (Prerequisite Phsl. P215) (3 cr.)
HPER P497 Organizational and Curricular Structures of Physical Education K-12 (3 cr.)

Select Two Courses from the Following
HPER P225 Performance and Teaching of Archery (1 cr.)
HPER P226 Performance and Teaching of Badminton (1 cr.)
HPER P227 Performance and Teaching of Bowling (1 cr.)
HPER P228 Performance and Teaching of Field Hockey (1 cr.)
HPER P229 Performance and Teaching of Flag Football (1 cr.)
HPER P230 Performance and Teaching of Golf (1 cr.)
HPER P231 Performance and Teaching of Martial Arts (1 cr.)
HPER P232 Performance and Teaching of Racquetball/Squash/Handball (1 cr.)
HPER P233 Performance and Teaching of Softball (1 cr.)
HPER P234 Performance and Teaching of Wrestling (1 cr.)
HPER P236 Advanced Life Saving and Water Safety Instruction (2 cr.)

Dance (38 cr.) — Note Proficiency Tests for exemption
HPER D151 Introductory Rhythmic Training OR Proficiency Test (1 cr.)
HPER E155 Modern Dance OR Proficiency Test (1 cr.)
HPER D161 Foundations of Modern Dance (2 cr.)
HPER E255 Modern Dance Intermediate (1 cr.)
HPER D211 Advanced Technique I (2 cr.)
HPER D212 Advanced Technique II (2 cr.)
HPER D221 Dance Composition I (2 cr.)
HPER D222 Dance Composition II (2 cr.)
HPER D252 Rhythmic Form and Analysis (2 cr.)
HPER D201 Modern Dance Workshop (1 cr.)
HPER D200 Dance in Elementary Education (1 cr.)
HPER D311 Theory & Practice of Dance Technique I (2 cr.)
HPER D312 Theory & Practice of Dance Technique II (2 cr.)
HPER D331 Dance & Allied Arts I (3 cr.)
HPER D332 Dance & Allied Arts II (3 cr.)
HPER D351 Teaching of Modern Dance (1 cr.)
HPER D353 Musical Resources for Dance (2 cr.)
HPER D461 Basic Methods of Dance Notation (1 cr.)
HPER D462 Dance Summary (1 cr.)
HPER D441 Dance Production I (3 cr.)
HPER D442 Dance Production II (3 cr.)

Suggested Course Schedule for First Year in Physical Education Major (Dance Emphasis)

First Semester, Total 14-16 cr.
HPER P121 Performance of Individual Sports (0-2 cr.)
Physical Sciences or Mathematics (3 cr.)
Eng. Humanities Written Expression (2-3 cr.)
HPER E155 Modern Dance (1 cr.)
HPER D151 Introduction to Rhythmic Training (1 cr.)
Social and Behavioral Science (3 cr.)
Mus. M174 Music Appreciation (3 cr.)

Second Semester, Total 14-16 cr.
HPER P122 Performance of Team Sports (0-2 cr.)
HPER E255 Modern Dance (1 cr.)
HPER D161 Fundamentals of Modern Dance (2 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Humanities Oral and Written Expression (3-5 cr.)
Anth. A105 Anthropology (3 cr.)

Physical Education Major

Sports Science Emphasis
The program in Sports Science is a four-year curriculum in the subject matter of human movement and sport, which 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.

Required For All Students (53 cr.)
HPER P121 Performance of Individual Sports (0-2 cr.)
HPER P122 Performance of Team Sports (0-2 cr.)
HPER P212 Introduction to Exercise Science (3 cr.)
HPER P222 Performance and Teaching of Gymnastics (2 cr.)
HPER P221 Performance of Rhythm and Dance (2 cr.)
HPER P323 Teaching of Individual Sports or P325 Team Sports (2 cr.)
HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
HPER P396 Historical and Philosophical Foundations of Physical Education (3 cr.)
HPER P397 Kinesiology (3 cr.)
HPER P398 Adapted Physical Education (3 cr.)
HPER P409 Basic Physiology of Exercise (3 cr.)
HPER P452 Motor Learning (3 cr.)
HPER P450 Principles and Psychology of Coaching (3 cr.)
HPER P493 Tests and Measurements in Physical Education (3 cr.)
HPER P448 Internship in Sports Science or Elective (3 cr.)
HPER P446 Sports Science Seminar (3 cr.)
HPER P492 Laboratory Assisting or Field Experience in Sports Science (3 cr.)
HPER P499 Research in Physical Education and Athletics (3 cr.)
Bus. K201 The Computer in Business (3 cr.)

Elect 2 Hours from the following:
HPER E121 Conditioning and Weight Training (1 cr.)
HPER E133 Fitness and Jogging (1 cr.)
HPER E275 Aquatic Conditioning (1 cr.)
HPER A480 Care and Prevention of Athletic Injuries (1 cr.)
HPER P232 Performance and Teaching of Racquetball, Squash, Handball (1 cr.)

Humanities (11 cr.)
Eng. W131 English Composition (3 cr.)
Eng. W231 Professional Writing (3 cr.)
Sprech. S121 Public Speaking (2 cr.)
Jour. J327 Writing for Publication (3 cr.)

Social Sciences (12 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Psy. K300 Statistical Techniques (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Anth. A105 Human Origins and Prehistory (3 cr.)
Life and Physical Sciences (23 cr.)
Math. M119 Survey of Calculus (3 cr.)
Chem. C105 Elementary Chemistry (3 cr.)
Chem. C125 Elementary Chemistry Laboratory (2 cr.)
Phys. P201 General Physics (5 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Phal. P215 Basic Mammalian Physiology (5 cr.)
Electives 9 cr.

Students must select either a biophysical or psychosocial emphasis and elect 16 credit hours from that area. The appropriate courses are as follows:

Biophysical Area
Anat. A311 Intermediate Human Anatomy (4 cr.)
Anat. A474 Histology (5 cr.)
Biol. L105 Introduction to Biology (5 cr.)
Biol. L267 Cell Physiology (3 cr.)
Biol. B369 Cell Physiology Laboratory (3 cr.)
Chem. C106 Quantitative Chemistry (3 cr.)
Chem. C341 Organic Chemistry (3 cr.)
Chem. C360 Introduction to Physical Chemistry (3 cr.)
C.Sci. C301 Fortran Programming (1 cr.)
Hpsc. X200 Introduction to Scientific Reasoning (3 cr.)
Math. M120 Brief Survey of Calculus II (3 cr.)
Math. M126 Trigonometric Functions (2 cr.)
Math. M215 Analytic Geometry and Calculus I (5 cr.)
Math. M216 Analytic Geometry and Calculus II (5 cr.)
Phys. P202 General Physics 2 (5 cr.)
Phys. P320 Introduction to Biophysics (3 cr.)
Phsl. P331 Organ Systems of Mammals (3 cr.)
Phsl. P416 Comparative Animal Physiology (3 cr.)
Phsl. P417 Neurobiology (3 cr.)
Psy. P201 Psychology and Human Behavior (3 cr.)
Psy. P211 Methods of Experimental Psychology (3 cr.)
Psy. P326 Physiological Psychology (3 cr.)
Psy. P329 Sensation and Perception (3 cr.)
Psy. P336 Psychological Tests and Individual Differences (3 cr.)
Psy. P400 Psychological Measurement and Scaling (2 cr.)
Psy. P405 Elementary Mathematical Psychology (3 cr.)
Psy. P424 Laboratory in Sensation and Perception (2 cr.)
Psy. P426 Laboratory in Physiological Psychology (3 cr.)
Psy. P427 Laboratory in Psychological Measurement (2 cr.)
Psy. P465 Psychophysiology of Hearing (3 cr.)

Psychosocial Area
Anth. A303 Evolution and Prehistory (5 cr.)
Anth. B200 Bioanthropology and B301 Lab (3-2 cr.)
Anth. B480 Human Growth and Development (3 cr.)
C.Sci. C251 Foundations of Computer Science (3 cr.)
C.Sci. C301 Fortran Programming (1 cr.)
Hpsc. X200 Introduction to Scientific Reasoning (3 cr.)
Phil. P105 Thinking and Reasoning (3 cr.)
Phil. P205 Reasoning and Knowledge (3 cr.)
Psy. P316 Psychology of Childhood and Adolescence (3 cr.)
Psy. P325 Psychology of Learning (3 cr.)
Psy. P327 Psychology of Motivation (3 cr.)
Psy. P335 Cognitive Psychology (3 cr.)
Psy. P336 Psychological Tests and Individual Differences (3 cr.)
Psy. P400 Psychological Measurement and Scaling (3 cr.)
Psy. P405 Elementary Mathematical Psychology (3 cr.)
Psy. P427 Laboratory in Psychological Measurement (2 cr.)
Psy. P435 Laboratory in Human Learning (3 cr.)
Soc. S101 Social Problems and Policies (3 cr.)
Soc. S210 Social Organization (3 cr.)
Soc. S215 Social Change (3 cr.)
Soc. S230 Society and the Individual (3 cr.)
Soc. S415 Sociology of Science (3 cr.)
Soc. S431 Topics in Social Psychology (3 cr.)
Soc. S451 Methods of Sociological Research (3 cr.)

Suggested Course Schedule for First Year in Physical Education Major (Sports Science Emphasis)

First Semester, Total 16 cr.
HPER P121 Performance of Individual Sports (0-2 cr.)
HPER P212 Introduction to Exercise Science (3 cr.)
Math. M119 Brief Survey of Calculus1 (3 cr.)

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1 A more advanced course may be selected, commensurate with the student’s competency.
Eng. W131 English Composition (3 cr.)
Chem. C105 Elementary Chemistry(3 cr.)
Chem. C125 Elementary Chemistry Laboratory (2 cr.)

Second Semester, Total 17 cr.
HPER P122 Performance of Team Sports (0-2 cr.)
HPER P222 Performance and Teaching of Gymnastics (2 cr.)
Phys. P201 General Physics (5 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Sprech S121 Public Speaking (2 cr.)
Elective (recommend Math. M120 or Chem. C126)

Physical Education Major

Sports Communication: Broadcast Emphasis
Four-year program with emphasis on broadcasting leading to the degree Bachelor of Science in Physical Education. Contact departmental offices and advisers for complete information.

Required for All Students (33 cr.)
HPER P212 Introduction to Exercise Science (3 cr.)
HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
HPER P396 Historical and Philosophical Foundations of Physical Education (3 cr.)
HPER P397 Kinesiology (3 cr.)
HPER P409 Basic Exercise Physiology (3 cr.)
HPER P448 Sports Science Internship or Elective (3 cr.)
HPER P324 Recreational Sports Programming (3 cr.)
HPER P450 Principles and Psychology of Coaching (3 cr.)
HPER P452 Motor Learning (3 cr.)
HPER A480 Care and Prevention of Athletic Injuries (1 cr.)
HPER A483 Principles of Sports Officiating (1 cr.)
HPER A484 Interscholastic Athletic Programs (2 cr.)
Bus. K201 The Computer in Business (3 cr.)

Humanities (11 cr.)
Eng. W131 English Composition (3 cr.)
Eng. C205 Introduction to the English Language (3 cr.)
Sprech S122 Interpersonal Communication (2 cr.)
Jour. J200 Writing for Mass Media (3 cr.)

Life and Physical Sciences (10 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Phal. P215 Basic Mammalian Physiology (5 cr.)

Social Sciences (12 cr.)
Econ. E103 Introduction to Microeconomics (3 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Psy. P327 Psychology of Motivation (3 cr.)
Soc. S230 Society and the Individual (3 cr.)

Broadcast Communications Required Courses (24 cr.)
Jour. J210 Visual Communication (3 cr.)
Tel. R204 Foundations of Broadcasting (3 cr.)
Tel. R206 The Broadcast Program (3 cr.)
Tel. R208 Audio Production (3 cr.)
Tel. R211 Broadcast Writing (3 cr.)
Tel. R304 Broadcast Advertising (3 cr.)
Tel. R309 Television Production (3 cr.)
Tel. R405 Law and Ethics in Telecommunications (3 cr.)

Complete a minimum of 13 credit hours from the following HPER courses:
HPER P121 Performance of Individual Sports (2 cr.)
HPER P122 Performance of Team Sports (2 cr.)
HPER P225 Performance and Teaching of Archery (1 cr.)
HPER P226 Performance and Teaching of Badminton (1 cr.)
HPER P227 Performance and Teaching of Bowling (1 cr.)
HPER P230 Performance and Teaching of Golf (1 cr.)
HPER P231 Performance and Teaching of Martial Arts (1 cr.)
HPER P234 Performance and Teaching of Wrestling (1 cr.)
HPER P321 Performance and Teaching of Folk and Square Dancing (2 cr.)
HPER D351 Performance and Teaching of Modern Dance (2 cr.)
HPER A361 Coaching of Football (1½ cr.)
HPER A362 Coaching of Basketball (1½ cr.)
HPER A363 Coaching of Baseball (1½ cr.)
HPER A364 Coaching of Track and Field (1½ cr.)
HPER A365 Coaching of Wrestling (1½ cr.)
HPER A366 Coaching of Gymnastics (1½ cr.)
HPER A367 Coaching of Swimming and Diving (1½ cr.)
HPER A368 Coaching of Tennis (1½ cr.)
HPER A369 Coaching of Golf (1½ cr.)
HPER A370 Coaching of Soccer (1½ cr.)
HPER A371 Coaching of Volleyball (1½ cr.)
HPER E123 Diving (1 cr.)
HPER E168 Swimming—Non Swimmers (1 cr.)
HPER E268 Swimming—Intermediate (1 cr.)
HPER E269 Swimming—High Intermediate (1 cr.)
HPER E377 Advanced Life Saving (1 cr.)
HPER E477 Water Safety Instructor (1 cr.)
HPER P326 Advanced Life Saving and Water Safety Instruction (1 cr.)
HPER E281 Conditioning and Weight Training (1 cr.)

Select a minimum of 9 credit hours from two or more departments from the following list of courses:

**Business**
- Bus. C204 Business Communications (3 cr.)
- Bus. C223 Beginning Typewriting (2 cr.)
- Bus. C227 Intermediate Typewriting (2 cr.)
- Bus. C230 Advanced Typewriting (2 cr.)
- Bus. M300 Introduction to Marketing Management (3 cr.)
- Bus. Z302 Management and Behavior in Organization (3 cr.)
- Bus. M415 Advertising and Promotion Management (3 cr.)

**Economics**
- Econ. E104 Introduction to Macroeconomics (3 cr.)

**English**
- Eng. W143 Expository Writing (1 cr.)
- Eng. W103 Introductory Creative Writing (3 cr.)
- Eng. W231 Professional Writing Skills (3 cr.)
- Eng. G302 Structure of Modern English (P: G205) (3 cr.)
- Eng. W350 Advanced Expository Writing (3 cr.)

**Journalism**
- Jour. J353 Broadcast News Editing (3 cr.)
- Jour. J470 Broadcast Media Analysis (3 cr.)

**Psychology**
- Psy. P111 Introductory Laboratory Psychology (2 cr.)
- Psy. P301 Psychology of Human Problems (P: Junior Standing) (3 cr.)
- Psy. P319 Psychology of Personality (P: 5 hours Psychology) (3 cr.)
- Psy. P327 Psychology of Motivation (3 cr.)
- Psy. P335 Cognitive Psychology (P: 5 hours Psychology) (3 cr.)

**Sociology**
- Soc. S101 Social Problems and Policies (3 cr.)
- Soc. S210 Social Organization (3 cr.)
- Soc. S215 Social Change (3 cr.)
- Soc. S309 The Community (P: 3 hours Sociology) (3 cr.)
- Soc. S317 Social Stratification (P: 3 hours Sociology) (3 cr.)
- Soc. S335 Race and Ethnic Relations (3 cr.)
- Soc. S434 Language and Communications in Groups (P: S230 or consent of instructor) (3 cr.)

**Speech**
- Spch. S221 Speech and Human Behavior (3 cr.)
- Spch. S223 Social Influence on Speech (3 cr.)
- Spch. S323 Speech Composition (3 cr.)
- Spch. S324 Persuasion (3 cr.)
Spch. S325 Voice and Diction (3 cr.)
Students must select 12 credit hours of additional electives.

**Suggested Course Schedule for First Year in Physical Education Major**
(Sports Communication: Broadcast Emphasis)

**First Semester, Total 15 cr.**
HPER Electives (3 cr.)
HPER P212 Introduction to Exercise Science (3 cr.)
Eng. W131 English Composition (3 cr.)
Psy. P101 Introduction to Psychology (3 cr.)
Soc. S230 Society and the Individual (3 cr.)

**Second Semester, Total 16 cr.**
HPER Electives (3 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Jour. J210 Visual Communication (3 cr.)
Jour. J200 Writing for Mass Media (3 cr.)
Spch. S122 Interpersonal Communication (2 cr.)

**Physical Education Major**

**Sports Communication: Print Emphasis**
Four-year program with emphasis on journalism leading to the degree Bachelor of Science in Physical Education. Contact departmental offices and advisers for complete information.

**Required for All Students (36 cr.)**
HPER P212 Introduction to Exercise Science (3 cr.)
HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
HPER P396 Historical and Philosophical Foundations of Physical Education (3 cr.)
HPER P397 Kinesiology (3 cr.)
HPER P409 Basic Exercise Physiology (3 cr.)
HPER P324 Recreational Sports Programming (3 cr.)
HPER P484 Sports Science Internship or Elective (3 cr.)
HPER P450 Principles and Psychology of Coaching (3 cr.)
HPER P452 Motor Learning (3 cr.)
HPER A480 Care and Prevention of Athletic Injuries (1 cr.)
HPER A483 Principles of Sports Officiating (1 cr.)
HPER A484 Interscholastic Athletic Programs (2 cr.)
Bus. K201 The Computer in Business (3 cr.)
Tel. R208 Audio Production (3 cr.)

**Humanities (8 cr.)**
Eng. W131 English Composition (3 cr.)
Eng. G205 Introduction to the English Language (3 cr.)
Spch. S122 Interpersonal Communication (2 cr.)

**Life and Physical Sciences (10 cr.)**
Anat. A215 Basic Human Anatomy (5 cr.)
Phsl. P215 Basic Mammalian Physiology (5 cr.)

**Social Sciences (12 cr.)**
Econ. E103 Introduction to Microeconomics (3 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Psy. P327 Psychology of Motivation (3 cr.)
Soc. S230 Society and the Individual (3 cr.)

**Print Communications Required Courses (27 cr.)**
Jour. J200 Writing for Mass Media (3 cr.)
Jour. J210 Visual Communication (3 cr.)
Jour. J300 Communications Law (3 cr.)
Jour. J337 Economics of Mass Media (3 cr.)
Jour. J341 Newspaper Reporting (3 cr.)
Jour. J343 Broadcast Reporting (3 cr.)
Jour. J344 Photo Journalism Reporting (3 cr.)

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1 Students must complete a minimum of 13 credit hours selected from those HPER Courses approved for Sports Communications.
Jour. J351 Newspaper Editing
Jour. J410 The Media As Social Institutions (3 cr.)

PER EPER courses:

PER P121 Performance of Individual Sports (2 cr.)
PER P122 Performance of Team Sports (2 cr.)
PER P225 Performance and Teaching of Archery (1 cr.)
PER P226 Performance and Teaching of Badminton (1 cr.)
PER P227 Performance and Teaching of Bowling (1 cr.)
PER P230 Performance and Teaching of Golf (1 cr.)
PER P231 Performance and Teaching of Martial Arts (1 cr.)
PER P234 Performance and Teaching of Wrestling (1 cr.)
PER P321 Performance and Teaching of Folk and Square Dancing (2 cr.)
PER D351 Performance and Teaching of Modern Dance (2 cr.)
PER A361 Coaching of Football (1/2 cr.)
PER A362 Coaching of Basketball (1/2 cr.)
PER A363 Coaching of Baseball (1/2 cr.)
PER A364 Coaching of Track and Field (1/2 cr.)
PER A365 Coaching of Wrestling (1/2 cr.)
PER A366 Coaching of Gymnastics (1/2 cr.)
PER A367 Coaching of Swimming and Diving (1/2 cr.)
PER A368 Coaching of Tennis (1/2 cr.)
PER A369 Coaching of Golf (1/2 cr.)
PER A370 Coaching of Soccer (1/2 cr.)
PER A371 Coaching of Volleyball (1/2 cr.)
PER E123 Diving (1 cr.)
PER E168 Swimming—Non Swimmers (1 cr.)
PER E268 Swimming—Intermediate (1 cr.)
PER E269 Swimming—High Intermediate (1 cr.)
PER E377 Advanced Life Saving (1 cr.)
PER E477 Water Safety Instructor (1 cr.)
PER P326 Advanced Life Saving and Water Safety Instruction (2 cr.)
PER E281 Conditioning and Weight Training (2 cr.)

Select a minimum of 9 credit hours from two or more departments from the following list of courses:

Business
Bus. C204 Business Communications (3 cr.)
Bus. C223 Beginning Typewriting II (2 cr.)
Bus. C227 Intermediate Typewriting (2 cr.)
Bus. C230 Advanced Typewriting (2 cr.)
Bus. Z302 Management and Behavior in Organization (3 cr.)
Bus. M415 Advertising and Promotion Management (3 cr.)
Bus. M418 Advertising Strategy

Economics
Econ. E104 Introduction to Macroeconomics (3 cr.)

English
Eng. W143 Expository Writing (1 cr.)
Eng. W103 Introductory Creative Writing (3 cr.)
Eng. W231 Professional Writing Skills (3 cr.)
Eng. G302 Structure of Modern Language (3 cr.)
Eng. W350 Advanced Expository Writing (3 cr.)

Journalism
Jour. J320 Principles of Creative Advertising (3 cr.)
Jour. J465 Graphic Communications (3 cr.)

Psychology
Psy. P111 Introductory Laboratory Psychology (2 cr.)
Psy. P301 Psychology of Human Problems (P: Junior Standing) (3 cr.)
Psy. P319 Psychology of Personality (P: 5 hours psychology) (3 cr.)
Psy. P327 Psychology of Motivation (3 cr.)
Psy. P335 Cognitive Psychology (P: 5 hours psychology) (3 cr.)
Sociology
Soc. S101 Social Problems and Policies (3 cr.)
Soc. S210 Social Organization (3 cr.)
Soc. S215 Social Change (3 cr.)
Soc. S309 The Community (P: 3 hours sociology) (3 cr.)
Soc. S317 Social Stratification (P: 3 hours sociology) (3 cr.)
Soc. S335 Race and Ethnic Relations (3 cr.)
Soc. S434 Language and Communications in Groups (P: S230 or consent of instructor) (3 cr.)

Speech
Sphc. S324 Persuasion (3 cr.)
Students must select 9 credit hours of additional electives.

Suggested Course Schedule for First Year in Physical Education Major
(Sports Communication: Print Emphasis)
First Semester, Total 15 cr.
HPER Electives (3 cr.)
HPER P212 Introduction to Exercise Science (3 cr.)
Eng. W131 English Composition (3 cr.)
Psy. P101 Introduction to Psychology (3 cr.)
Soc. S230 Society and the Individual (3 cr.)

Second Semester, Total 16 cr.
HPER Electives (3 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Jour. J210 Visual Communication (3 cr.)
Jour. J200 Writing for Mass Media (3 cr.)
Sphc. S122 Interpersonal Communication (2 cr.)

Physical Education Major
Sports Marketing and Management Emphasis
Four-year program with emphasis on sports marketing and management leading to the degree Bachelor of Science in Physical Education. Contact departmental offices and advisers for complete information.

Required for All Students (34 cr.)
HPER P212 Introduction to Exercise Science (3 cr.)
HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
HPER P396 Historical and Philosophical Foundations of Physical Education (3 cr.)
HPER P397 Kinesiology (3 cr.)
HPER P409 Basic Exercise Physiology (3 cr.)
HPER P448 or P446 Internship in Sports Science or Seminar (3 cr.)
HPER P324 Recreational Sports Programming (3 cr.)
HPER P452 Motor Learning (3 cr.)
HPER A480 Care and Prevention of Athletic Injuries (1 cr.)
HPER A484 Interscholastic Athletic Programs (2 cr.)
HPER H160 First Aid (2 cr.)
HPER R266 Management of Park and Recreational Facilities (3 cr.)
HPER S457 Industrial Safety Education (3 cr.)

Humanities (12 cr.)
Eng. W131 English Composition (3 cr.)
Eng. W231 Professional Writing Skills (3 cr.)
Sphc. S122 Interpersonal Communication (2 cr.)
Humanities electives (4 cr.)

Life and Physical Sciences (16 cr.)
Math. M118 Finite Mathematics (3 cr.)
Math. M119 Brief Survey of Calculus (3 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Phsal. P215 Basic Mammalian Physiology (5 cr.)

Social Sciences (15 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Econ. E103 Introduction to Microeconomics (3 cr.)
Econ. E104 Introduction to Macroeconomics (3 cr.)
Econ. E270 Introduction to Statistical Theory in Econ. and Business (3 cr.)
Business Required Courses (28 cr.)
Bus. A201 Introduction to Accounting (3 cr.)
Bus. A202 Introduction to Accounting II (3 cr.)
Bus. K201 The Computer in Business (3 cr.)
Bus. L201 Legal Environment of Business (3 cr.)
Bus. P301 Operations Management (3 cr.)
Bus. M301 Introduction to Marketing Management (3 cr.)
Bus. P301 Financial Management (3 cr.)
Bus. Z302 Managing and Behavior in Organization (3 cr.)
Bus. X410 Business Career Planning and Placement (1 cr.)
Bus. J401 Administrative Policy (3 cr.)

Complete a minimum of 13 credit hours from the following HPER courses:
HPER P121 Performance of Individual Sports (2 cr.)
HPER P122 Performance of Team Sports (2 cr.)
HPER P221 Performance of Rhythm and Dance (2 cr.)
HPER P222 Performance and Teaching of Gymnastics (2 cr.)
HPER P225 Performance and Teaching of Archery (1 cr.)
HPER P226 Performance and Teaching of Badminton (1 cr.)
HPER P227 Performance and Teaching of Bowling (1 cr.)
HPER P230 Performance and Teaching of Golf (1 cr.)
HPER P231 Performance and Teaching of Martial Arts (1 cr.)
HPER P234 Performance and Teaching of Wrestling (1 cr.)
HPER P321 Performance and Teaching of Folk and Square Dance (2 cr.)
HPER D351 Performance and Teaching of Modern Dance (2 cr.)
HPER A361 Coaching of Football (1/2 cr.)
HPER A362 Coaching of Basketball (1/2 cr.)
HPER A363 Coaching of Baseball (1/2 cr.)
HPER A364 Coaching of Track and Field (1/2 cr.)
HPER A365 Coaching of Wrestling (1/2 cr.)
HPER A366 Coaching of Gymnastics (1/2 cr.)
HPER A367 Coaching of Swimming and Diving (1/2 cr.)
HPER A368 Coaching of Tennis (1/2 cr.)
HPER A369 Coaching of Golf (1/2 cr.)
HPER A370 Coaching of Soccer (1/2 cr.)
HPER A371 Coaching of Volleyball (1/2 cr.)
HPER E123 Diving (1 cr.)
HPER E168 Swimming—Non Swimmers (1 cr.)
HPER E268 Swimming—Intermediate (1 cr.)
HPER E269 Swimming—High Intermediate (1 cr.)
HPER E377 Advanced Life Saving (1 cr.)
HPER E477 Water Safety Instructor (1 cr.)
HPER P326 Advanced Life Saving and Water Safety Instruction (2 cr.)
HPER E281 Conditioning and Weight Training (2 cr.)
HPER P385 Pool Management, Maintenance and Construction (2 cr.)
HPER S351 Leadership Development Shooting Sports (2 cr.)
HPER H318 Drug Use in American Society (3 cr.)

Students must select 6 credit hours of additional electives.

Suggested Course Schedule for First Year in Physical Education Major
(Sports Marketing and Management Emphasis)

First Semester, Total 17 cr.
HPER Elective (2 cr.)
HPER P212 Introduction to Exercise Science (3 cr.)
Eng. W131 English Composition (3 cr.)
Math. M118 Finite Mathematics (3 cr.)
Psy. P101 Introductory Psychology (3 cr.)
Econ. E103 Introduction to Microeconomics (3 cr.)

Second Semester, Total 15 cr.
HPER Elective (2 cr.)
HPER Elective (2 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Math. M119 Brief Survey of Calculus (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)

Physical Education Minor

Required courses for the minor include:
HPER P240 Foundations of Physical Education (2 cr.)
HPER P390 Growth and Motor Performance of School Age Youth K-12 (P: HPER P240) (2 cr.)
HPER P497 Organizational and Curricular Structures of Physical Education K-12 (3 cr.)
HPER P397 Kinesiology (P: Anat. A215) (3 cr.)
HPER P409 Basic Physiology of Exercise (P: Pshl. P215) (3 cr.)
HPER P221 Performance of Rhythm and Dance (2 cr.)
HPER P222 Performance and Teaching of Gymnastics (2 cr.)
HPER P323 Teaching of Individual Sports (P: HPER P121 or satisfactory proficiency test) (2 cr.)
HPER P325 Teaching of Team Sports (P: HPER P122 or satisfactory proficiency test) (2 cr.)

In addition the student must satisfactorily complete 3 credit hours to be selected from the following:
P326 Advanced Life Saving and Water Safety Instruction (2 cr.)
P225 Performance and Teaching of Archery (1 cr.)
P226 Performance and Teaching of Badminton (1 cr.)
P227 Performance and Teaching of Bowling (1 cr.)
P228 Performance and Teaching of Field Hockey (1 cr.)
P229 Performance and Teaching of Flag Football (1 cr.)
P330 Performance and Teaching of Golf (1 cr.)
P331 Performance and Teaching of Martial Arts (1 cr.)
P232 Performance and Teaching of Racquetball, Squash, Handball (1 cr.)
P233 Performance and Teaching of Softball (1 cr.)
P234 Performance and Teaching of Wrestling (1 cr.)
P231 Performance of Folk and Square Dance (2 cr.)
A361 Coaching of Football (1/2 cr.)
A362 Coaching of Basketball (1/2 cr.)
A363 Coaching of Baseball (1/2 cr.)
A364 Coaching of Track and Field (1 1/2 cr.)
A365 Coaching of Wrestling (1 1/2 cr.)
A366 Coaching of Gymnastics (1 1/2 cr.)
A367 Coaching of Swimming and Diving (1 1/2 cr.)
A368 Coaching of Tennis (1 1/2 cr.)
A369 Coaching of Golf (1 1/2 cr.)
A370 Coaching of Soccer (1 1/2 cr.)
A371 Coaching of Volleyball (1 1/2 cr.)
D351 Teaching of Modern Dance (1 cr.)

Teachors of swimming in the State of Indiana must hold a valid WSI certificate or its equivalent.
H160, First Aid, or Standard ARC First Aid Certificate required for the minor.

Coaching Endorsement

The Coaching Endorsement is intended for non-physical education majors who are pursuing majors in other teaching areas.
HPER A480 Care and Prevention of Athletic Injuries (1 cr.)
HPER P450 Principles of Psychology of Coaching (3 cr.)
HPER P397 Kinesiology (P: Anatomy A215) (3 cr.)
HPER P409 Physiology of Exercise (P: Physiology P215) (3 cr.)

Select 5 credit hours from the following, including a minimum of one coaching class:
HPER A484 Interscholastic Athletic Programs (2 cr.)
HPER A483 Principles of Sports Officiating (1 cr.)
HPER A361 Coaching of Football (1/2 cr.)
HPER A362 Coaching of Basketball (1/2 cr.)
HPER A363 Coaching of Baseball (1/2 cr.)
HPER A364 Coaching of Track and Field (1/2 cr.)
HPER A365 Coaching of Wrestling (1/2 cr.)
HPER A366 Coaching of Gymnastics (1/2 cr.)
HPER A367 Coaching of Swimming and Diving (1/2 cr.)
HPER A368 Coaching of Tennis (1/2 cr.)
HPER A369 Coaching of Golf (1/2 cr.)
HPER A370 Coaching of Soccer (1/2 cr.)
HPER A371 Coaching of Volleyball (1/2 cr.)
HPER P424 Gymnastics: Judging and Composition (2 cr.)
HPER P428 Advanced Techniques for Teaching and Coaching Gymnastics (2 cr.)

In the state of Indiana, teachers of swimming must hold a current WSI Certificate or its equivalent.

**Athletic Training Emphasis**

The Athletic Training Emphasis may be earned in conjunction with the major in Health and Safety Education or with the major in Physical Education. Admission to the program is limited (for admission requirements, see Special Requirements and Restrictions section in the front of this bulletin). Specific course requirements leading to this endorsement are shown below.

**Option Health and Safety**

B.S. In Health and Safety with the Athletic Training Emphasis.

In addition to the pattern for the health and Safety Major the following courses should be taken to meet the requirements for the Athletic Training Emphasis:

HPER A181 Orientation in Athletic Training I (1 cr.)
HPER A182 Orientation in Athletic Training II (1 cr.)
HPER A281 Basic Principles of Athletic Training (3 cr.)
HPER A282 Basic Techniques of Taping and Bandaging (3 cr.)
HPER A381 Laboratory Practice in Athletic Training I (2 cr.)
HPER A382 Laboratory Practice in Athletic Training II (2 cr.)
HPER A383 Scientific Foundations of Athletic Training (3 cr.)
HPER A481 Practicum in Athletic Training (2 cr.)
HPER P397 Kinesiology (3 cr.)
HPER P398 Adapted Physical Education (3 cr.)
HPER P409 Basic Physiology of Exercise (3 cr.)
Phys. P101 Physics in the Modern World (3 cr.)

Chem. C100 or C101 Chemistry (3 cr.)

**Option Physical Education**

B.S. in Physical Education with the Athletic Training Emphasis.

In addition to the pattern for the Physical Education Major the following should be taken to meet the requirements for the Athletic Training Emphasis:

HPER A181 Orientation in Athletic Training I (1 cr.)
HPER A182 Orientation in Athletic Training II (1 cr.)
HPER A281 Basic Principles of Athletic Training (3 cr.)
HPER A282 Basic Techniques of Taping and Bandaging (3 cr.)
HPER A381 Laboratory Practice in Athletic Training I (2 cr.)
HPER A382 Laboratory Practice in Athletic Training II (2 cr.)
HPER A383 Scientific Foundations of Athletic Training (3 cr.)
HPER A481 Practicum in Athletic Training (2 cr.)
HPER H363 Personal Health (3 cr.)
H.Ec. H231 Human Nutrition (2 cr.)
HPER P409 Basic Physiology of Exercise (3 cr.)
Chem. C100 or C101 Chemistry (3 cr.)
Phys. P101 Physics in the Modern World (4 cr.)

**Procedure for Admission of Students to the Undergraduate Athletic Training Program Emphasis**

1. Students who desire entrance into the athletic training program emphasis and believe that they have met entrance requirements (see *University Division or HPER School Bulletins*), or are in the process of doing so, should obtain an application form from the School of HPER

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1 Training curriculum has been approved by the National Athletic Trainer's Association.
2 Strongly recommended.
Dean’s Office (Room 111). The completed form, together with the first semester and second semester (mid-term report) grade slips, must be presented to the dean’s office by April 1.

2. The student’s academic record will be placed on the application form and will be forwarded to the coordinator of the Athletic Training program. During the month of April a selection committee of three faculty members will interview the student on matters related to the student’s:
   a. Career-goal interest in athletic training and other aspects of the major program
   b. Previous experience in athletics
   c. Previous experience in athletic training
   d. Scholastic record and academic progress

3. Based upon the student’s academic standing, which will be finalized upon receipt of final grade slips for the semester of application, the result of the interview, and the number of positions available in the program, the Athletic Training Program Coordinator will notify the department chairperson by June 1 of the selection committee’s decision on the student’s application.

4. 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.

Recreation Major

**Emphasis: Public Recreation and Parks**

Four-year program leading to the degree Bachelor of Science in Recreation

**Humanities (14 cr.)**
- Eng. W131 Elementary Composition (3 cr.)
- Spch. S121 Public Speaking (2 cr.)
- Spch. S223 Business and Professional Speaking (3 cr.)

**Humanities Electives (6 cr.)**

**Social and Behavioral Sciences (21 cr.)**
- Psy. P101 Psychology I (3 cr.)
- Psy. P102 Psychology II (3 cr.)
- Pol.Sci. Y103 Introduction to American Politics (3 cr.)
- Pol.Sci. Y308 Urban Politics (3 cr.)
- Econ. E103 Introduction to Microeconomics (3 cr.)
- Soc. S100 Sociological Analysis of Society (3 cr.)

**Sociology Electives (3 cr.)**

**Life and Physical Sciences (5 cr.)**
- Biol. L100 Man and the Biological World (5 cr.)

**Professional Recreation Courses (47 cr.)**
- HPER R160 Recreation and Leisure (3 cr.)
- HPER R266 Management of Parks and Recreation Facilities (3 cr.)
- HPER R271 Dynamics of Outdoor Recreation (3 cr.)
- HPER R272 Recreation Activities and Leadership Methods (3 cr.)
- HPER R324 Recreational Sports Programming (3 cr.)
- HPER R337 Computer Application in Parks and Recreation (3 cr.)
- HPER R340 Leisure in Modern Society (3 cr.)
- HPER R367 Leisure Program Development (3 cr.)
- HPER R466 Management of Leisure Services (3 cr.)
- HPER R468 Planning Park and Recreation Facilities (3 cr.)
- HPER R490 Senior Seminar (2 cr.)
- Educ. M363 Professional Field Experience (15 cr.)

**Program Areas (12 cr.)**

Skill or activity courses. Select a minimum of two courses in three of the following four areas:
- Performing Arts, Outdoor Recreation, Arts and Crafts, and Sports and Games.

**Other Requirements (8 cr.)**
- HPER H160 First Aid (2 cr.)
- Bus. A201 Management Accounting (3 cr.)
- Bus. L201 Business Law (3 cr.)

**Electives (17 cr.)**

Recreation Major

**Emphasis: Outdoor Recreation**

Four-year program leading to the degree Bachelor of Science in Recreation
Humanities (11 cr.)
Eng. W131 Elementary Composition (3 cr.)
Spcch. S121 Public Speaking (2 cr.)
Humanities Electives (6 cr.)

Social and Behavioral Sciences (12 cr.)
Psy. P101 Psychology I (3 cr.)
Psy. P102 Psychology II (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Sociology Electives (3 cr.)

Life and Physical Sciences (17 cr.)
Biol. L100 Man and the Biological World (5 cr.)
Biol. Z265 Field Biology (3 cr.) or
Biol. L350 Environmental Biology (3 cr.)
Science Electives (9 cr.)

Professional Recreation Courses (47 cr.)
HPER R160 Recreation and Leisure (3 cr.)
HPER R271 Dynamics of Outdoor Recreation (3 cr.)
HPER R272 Recreation Activities and Leadership Methods (3 cr.)
HPER R279 Camping and Outdoor Recreation Leadership (3 cr.)
HPER R337 Computer Application in Parks and Recreation (3 cr.)
HPER R338 Recreation Resource Management (3 cr.)
HPER R340 Leisure in Modern Society (3 cr.)
HPER R367 Leisure Program Development (3 cr.)
HPER R372 Interpretive Resources and Techniques (3 cr.)
HPER R466 Management of Leisure Services (3 cr.)
HPER R490 Senior Seminar (2 cr.)
Educ. M363 Professional Field Experience (15 cr.)

Program Areas Electives (12 cr.)
Skills or activity courses. Select a minimum of two courses in three of the following four areas: Performing Arts, Outdoor Recreation, Arts and Crafts, and Sports and Games.

Other Requirements (5 cr.)
HPER H160 First Aid (2 cr.)
Educ. R423 Utilization of Audio Visual Materials (3 cr.)

Electives (20 cr.)

Recreation Major
Emphasis: Programming and Leadership
Four-year program leading to the degree Bachelor of Science in Recreation

Humanities (11 cr.)
Eng. W131 Elementary Composition (3 cr.)
Spcch. S121 Public Speaking (2 cr.)
Humanities Electives (6 cr.)

Social and Behavioral Sciences (18 cr.)
Psy. P101 Psychology I (3 cr.)
Psy. P102 Psychology II (3 cr.)
Psy. P316 Psychology of Childhood and Adolescence (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Soc. S309 Community (3 cr.)
Sociology Elective (3 cr.)

Life and Physical Sciences (5 cr.)
Biol. L100 Man and the Biological World (5 cr.)

Professional Recreation Courses (55 cr.)
HPER R160 Recreation and Leisure (3 cr.)
HPER R266 Management of Parks and Recreation Facilities (3 cr.)
HPER R272 Recreation Activities and Leadership Methods (3 cr.)
HPER R275 Dynamics of Camp Leadership (2 cr.)
HPER R277 Introduction to Therapeutic Recreation (3 cr.)
HPER R324 Recreational Sports Programming (3 cr.)
HPER R331 Leisure Education (3 cr.)
HPER R337 Computer Application in Parks and Recreation (3 cr.)
HPER R338 Recreation Resource Management (3 cr.)
HPER R340 Leisure in Modern Society (3 cr.)
HPER R367 Leisure Program Development (3 cr.)
HPER R372 Interpretive Resources and Techniques (3 cr.)
HPER R466 Management of Leisure Services (3 cr.)
HPER R490 Senior Seminar (2 cr.)
Educ. M363 Professional Field Experience (15 cr.)

**Program Area Electives (12 cr.)**
Skill or activity courses. Select a minimum of two courses in three of the following four areas: Performing Arts, Outdoor Recreation, Arts and Crafts, and Sports and Games.

**Other Requirements (15 cr.)**
Educ. R423 Utilization of Instructional Materials (3 cr.)
Bus. A201 Management Accounting (3 cr.)
H.Ec. H150 Introduction to Life Span Human Development (3 cr.)
HPER P290 Movement Experiences for Pre-school and Elementary School Children (2 cr.)
HPER P390 Growth and Motor Performance of School Youth K-12 (2 cr.)
HPER H160 First Aid (2 cr.)

**Electives (8 cr.)**

**Recreation Major**

**Emphasis: Therapeutic Recreation**
Four-year program leading to the degree Bachelor of Science in Recreation

**Humanities (16 cr.)**
Eng. W131 Elementary Composition (3 cr.)
Sphc. S121 Public Speaking (2 cr.)
Clas. C209 Medical Terminology (2 cr.)
Sphc. S223 Discussion and Group Methods (3 cr.) or
Sphc. S229 Business and Professional Speaking (3 cr.) or
Educ. R423 Utilization of Instructional Materials (3 cr.)

**Social and Behavioral Sciences (18 cr.)**
Psy. P101 Psychology I (3 cr.)
Psy. P102 Psychology II (3 cr.)
Psy. P324 Abnormal Psychology (3 cr.)
Psy. P316 Childhood and Adolescence (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Sociology Elective (3 cr.)

**Life and Physical Sciences (18 cr.)**
Biol. L100 Man and the Biological World (5 cr.)
Anat. A215 Basic Human Anatomy (5 cr.)
Phsl. P215 Basic Mammalian Physiology (5 cr.)
HPER P397 Kinesiology (3 cr.)

**Professional Recreation Courses (44 cr.)**
HPER R160 Recreation and Leisure (3 cr.)
HPER R272 Recreation Activities and Leadership Methods (3 cr.)
HPER R277 Introduction to Therapeutic Recreation (3 cr.)
HPER R377 Computer Application in Parks and Recreation (3 cr.)
HPER R340 Leisure in Modern Society (3 cr.)
HPER R367 Leisure Program Development (3 cr.)
HPER R378 Techniques in Therapeutic Recreation (3 cr.)
HPER R466 Management of Leisure Services (3 cr.)
HPER R479 Problems in Therapeutic Recreation (3 cr.)
HPER R490 Senior Seminar (2 cr.)
Educ. M363 Professional Field Experience (15 cr.)

**Program Area Electives (12 cr.)**
Skill or activity courses. Select a minimum of two courses in three of the following four areas: Performing Arts, Outdoor Recreation, Arts and Crafts, and Sports and Games.

**Other Requirements (16 cr.)**
HPER H160 First Aid (2 cr.)
Restricted Electives (14 cr.) Student, in consultation with adviser, selects courses from among special education, psychology, sociology, forensics, speech and hearing, adaptives, health, human development, recreation, and other areas.
Suggested Course Schedule for First Year in Recreation Major.
First Semester, Total 15 cr.
Eng. W131 Elementary Composition (3 cr.)
Sphc. S121 Public Speaking (2 cr.)
Psy. P101 Psychology I (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Electives (4 cr.)
Second Semester, Total 16 cr.
Biol. L100 Man and Biological World (5 cr.)
Psy. P102 Psychology II (3 cr.)
Soc. Elective (3 cr.)
HPER R160 Recreation and Leisure (3 cr.)
Electives (2 cr.)
Concentrations  Designed to provide greater competencies to aid student’s professional goals through in-depth study in selected area. Student is encouraged to use elective hours to obtain one or more of the following concentrations:
Interdisciplinary  Public Management
Business  Commercial/Tourism
General Science  Recreational Sports
Biology  Aquatics

Recreation Minor
Twenty-four credit hours are required from the following.
Items 1, 2 and 3 are required in sequence:
1. HPER R160 Recreation and Leisure (3 cr.)
2. HPER R272 Recreation Activities and Leadership Methods (3 cr.)
   Plus one of the following:
   HPER R266 Management of Park and Recreation Facilities (3 cr.)
   HPER R271 Dynamics of Outdoor Recreation (3 cr.)
   or
   HPER R277 Introduction to Therapeutic Recreation (3 cr.)
3. HPER R367 Leisure Program Development (3 cr.)
4. A minimum of four credits selected from:
   HPER E100 level elective physical education courses
   HPER H160 First Aid (2 cr.)
   HPER S351 Leadership Development in Shooting Sports (2 cr.)
   HPER P290 Movement Experiences for Pre-School and Elementary School Children (2 cr.)
5. A minimum of four credits selected from:
   HPER R275 Dynamics of Camp Leadership (2 cr.)
   HPER R279 Camping and Outdoor Recreation Leadership (3 cr.)
   HPER R100 Recreation Skills (1 cr. each)
6. Other recreation courses needed to meet 24 credit hours.
Graduate Division

General Requirements for Advanced Degrees

The graduate program is designed to provide the student with a comprehensive understanding of a chosen field, extensive preparation in a specialized area of interest, and a working knowledge of research techniques. The master's, director's, and doctoral degrees are offered in the areas of Health and Safety, Physical Education, and Recreation. The Master of Public Health degree is offered in the area of Public Health Education. The Director's degree is an intermediate degree between the master's and doctorate. The Ph.D. in Human Performance is a research degree with emphases available in Biomechanics, Exercise Physiology, Health Behavior, Leisure Behavior, and Sport Psychology (including motor learning/control).

Application Applications for admission should be sent to the Graduate Division, School of Health, Physical Education, and Recreation. Students applying for a degree program must submit a completed application form, official transcripts of all undergraduate and graduate work taken at institutions other than Indiana University, scores on the Graduate Record Examination (as specified in the following section), three letters of recommendation, and a $20 application fee (applicants who previously attended Indiana University are exempt from this fee.) Applicants are also requested to include a small photograph. Credentials submitted for admission become the property of the University and will not be returned to the applicant.

Students applying for entrance into doctoral programs should submit credentials at least three months prior to the anticipated date of enrollment. Master's or doctoral applicants desiring consideration for assistantships, fellowships, or scholarships should be certain complete credentials have been filed before February 1 in order to receive consideration for the next academic year.

Note: The deadline for all applications for admission to the master's degree with specialization in Athletic Training is March 1. This is a highly selective program to which less than twenty applicants are admitted annually.

Graduate Record Examination (Aptitude portion only) Director's and doctoral degree applicants must submit Graduate Record Examination scores in order to be considered for admission. Master's degree applicants whose GPA is less than 2.8 will be considered if other evidence indicates that the grade point average may not be a valid predictor of success in a graduate program.

All foreign applicants, regardless of degree being sought, must submit GRE scores (Aptitude portion only). Those whose native language is not English must also submit TOEFL scores. In those exceptional instances in which TOEFL scores are not available, applicants may take the Indiana University language examination. Appropriate remedial English courses may be prescribed on the basis of test results. For information concerning the Graduate Record Examination, write to the Educational Testing Service, Box 955-R, Princeton, NJ 08541.

Time Limitations Initial registration for courses must occur within 18 months after the student has been accepted for admission. All requirements for a master's degree or directorate must be completed within six calendar years after initial enrollment in course work. A student registered in a doctoral program must satisfactorily complete all course work and qualifying examinations within five years after the date of initial registration. The doctoral dissertation must be completed within seven years after being admitted to candidacy.

Adviser Each student will be assigned an academic adviser. The program of each candidate must be planned cooperatively by the student and the adviser in terms of the student's educational background and objectives. All phases of the student's program are subject to the approval of the adviser. (See "Doctoral Degrees.")

Residence Residence is defined as full-time pursuit of academic work. In meeting residence requirements students are expected to be on campus in daily contact with faculty and fellow graduate students during the specified time period. Twelve to fifteen hours of course work are normally considered a full-time schedule. Full-time graduate assistants, faculty assistants, and associate instructors are granted a full semester of residence credit when they carry a minimum of nine semester hours of course work.
A period of full-time residence is not required for students in master’s or director’s degree programs. However, master’s students must take a minimum of 25-30 of the required 35-40 semester hours at Indiana University. Students in the Master of Public Health program must take 30 hours at Indiana University. At least 35 of the 65 graduate semester hours required for the director’s degree must be taken at Indiana University. These hours are in addition to any credits that may have been applied toward the residence requirements for a master’s degree at Indiana University.

Doctoral students must be enrolled for a minimum of two consecutive semesters of full-time course work on the Bloomington campus.

Employment Persons who are employed full-time may carry only five to six credit hours of graduate work per semester. Those employed half time should not take more than nine hours. The maximum credit load of associate instructors, faculty assistants, and graduate assistants is dependent upon the number of hours indicated in the assignment notice sent at the time of the appointment by the dean.

Transfer of Credit Course work completed more than seven years prior to admission to a program in the graduate division of the School of Health, Physical Education, and Recreation is not applicable to that program unless it has been satisfactorily updated. (See Ph.D. requirements.)

A maximum of five semester hours of graduate credit may be transferred from other institutions for application to a master’s degree. Exception: Indiana University graduates may transfer up to 10 semester hours from other accredited graduate schools. A written request for transfer work must be recommended by the adviser and submitted for approval to the graduate division. Any graduate course work to be transferred must be approved in advance.

Director’s degree candidates may apply a maximum of 30 semester hours of previously earned credit from approved graduate institutions, including Indiana University, toward the 65 hours required for completion of the director’s degree.

Not more than 45 semester hours of credit from other approved graduate institutions may be accepted toward the hours of credit required for the P.E.D., Re.D., or H.S.D. A maximum of only 30 hours of such course work may be accepted toward the hours required for the Ph.D. The acceptance and distribution of the transferred credit is determined by the student’s advisory committee at the time of the formal course prescription meeting.

Work at Regional Campuses A student enrolled at another Indiana University campus who wishes to work toward a graduate degree in the School of Health, Physical Education, and Recreation can secure application materials at the appropriate regional campus office or by writing to the School of HPER, Indiana University, Bloomington, Indiana 47405. Courses taken at other Indiana University campuses must be cleared with the Graduate Division Office of the School of HPER prior to registration in order to be certain that such courses may be counted toward degree requirements.

Grades In order to be eligible for graduation, a student must have acquired a grade-point average of at least 3.0 (on a 4 point scale) over the total number of hours required for the advanced degree. Grades of C minus or below are not counted toward completion of the requirements for doctoral degrees. The Associate Dean for Graduate Studies will review the records of any candidate whose academic performance is unsatisfactory and suggest appropriate action. In cases where satisfactory levels of scholarship are not regained, continuation in the program will be denied.

Application for Graduation Six months prior to the expected date of graduation, candidates must file an “Application for Graduation” in the Graduate Division Office of the School of Health, Physical Education, and Recreation. Candidates for the Ph.D. degree must file a similar application with the Graduate School.

Non-degree Applicants who are not candidates for a degree may be admitted as special non-degree students. They must apply for admission and should indicate on the application their desire to be classified as “non-degree.” Official transcripts must be submitted. No more than

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1 For information concerning incomplete grades and withdrawals, refer to the Academic Regulations of this bulletin.
nine hours of credit taken while in non-degree status may be credited toward any degree program to which a student may subsequently be admitted.

**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 non-degree 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.

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

**Teacher Certification**  Graduate students wishing to teach in the Indiana public schools must meet the minimum state licensing requirements and obtain a standard license. The professional license will be awarded to those who have completed three years teaching experience in the area specified by the standard license, completed six semester hours of graduate level course work in professional education courses, and received a master's degree. In addition, to professionalize the major or all-grade major, six graduate hours in the field are required; a minor requires 12 hours, six of which must be graduate level; an endorsement requires three graduate hours in the subject area. The following courses are included among those which may be taken to meet professional education requirements:

- HPER C523 Community Health Organization and Administration
- HPER H516 Health Education Curriculum
- HPER H510 Organization and Administration of School Health Program
- HPER A583 Administrative Theory of Competitive Sports Program
- HPER A584 Administration of Athletic Training
- HPER P536 Principles and Practices in Supervision of Physical Education in the Elementary School
- HPER P540 Recreational Sport Programming and Administration
- HPER P543 Supervision in Physical Education
- HPER P544 Administration of Physical Education
- HPER P545 The Physical Education Curriculum
- HPER R520 Administration of Recreation and Parks
- HPER R541 Camping Administration
- HPER R543 Programming in Outdoor Education
- HPER R563 Program Development and Consultation in Therapeutic Recreation
- HPER R580 Administration of College Unions
- HPER S559 Administration and Supervision of Safety Education
- HPER T595 Construction and Analysis of Achievement Tests in Health, Physical Education and Recreation

**Graduate Certificate Program**  
A graduate Certificate of Health Studies is available through the Department of Health and Safety Education for non-major students with an interest in health education and health promotion. The certificate requires a minimum of 15 semester hours of graduate coursework in one of the following areas:

- **School Health Studies**  H510, 6 hours in HPER H-prefix courses, 6 hours of departmental electives.

- **Community Health Studies**  C510, 6 hours in HPER C-prefix courses, 6 hours in departmental electives.

- **Health Promotion**  H519, 9 hours from CS12, CS16, H511, H512, H515, H517, H518, H617; 3 hours in departmental electives.

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1 For additional information see *Teacher Education and Certification Handbook (Teach) Rules 46-47*, Indiana Department of Public Instruction.
Master’s Degree

Degrees offered by the school include a Master of Science and a Master of Public Health. Students pursuing a Master of Science in one of the major fields (Health and Safety, Physical Education, or Recreation and Park Administration) may select specific “options” for concentrated study within that major.

The Master of Public Health degree is designed to prepare individuals 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.

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 less than 2.8 (on a 4 point scale). Consideration may also be given to applicants whose grade-point averages fall 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 or corequisites to degree work. Such work cannot ordinarily be counted toward the hours required for completion of the degree.

Thesis   If the thesis option is elected, the student’s adviser will guide all phases of the thesis development. After the thesis problem has been identified, the student must plan a detailed outline of the problem. Both the problem and the outline must be submitted to the Master’s Thesis committee for approval. The committee is also responsible for the evaluation of the completed thesis.

Program of Studies for the Master of Science Degree

Each student is required to complete successfully a total of 35 semester hours, a minimum of 20 hours of which must be in the major field (Health and Safety, Physical Education, or Recreation). Note: (1) Athletic Training requires the completion of 27 hours in the area of concentration. Elective hours must be selected from a pool of approved courses. (2) The Master of Public Health degree requires 40 semester hours of approved credit and 24 hours in the major.

For students choosing to write a thesis, a minimum of 20 semester 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 hours are elective selections.

In pursuing a master’s degree, a student may select one of the options listed below. All candidates are required to complete HPER T590. HPER courses required to fill the requirements for an “option” will be counted toward the total 20 hours required in the major field. Even though a course from another discipline may be required in an “option,” it cannot be counted toward the total 20 hours required in the major field. Wherever a choice between two courses is permitted in meeting option requirements, the alternative not chosen may be used as an elective. All electives utilized to complete the 35 total semester hour requirement must be approved by the adviser.

A maximum of six semester hours in “independent study” courses (including internships) may be utilized in meeting degree requirements unless special permission is obtained from the associate dean for graduate studies.

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1 For additional information see “General Requirements for Advanced Degrees,” and the HPER Graduate Student Handbook: General Information and Master’s Degree Programs.
Health and Safety Options
School Health Education  H500, H519, H501, H502, H510, C590 or C591, T590, 3 hours in HPER 5-prefix courses.

Physical Education Options
The following “core courses” or their equivalents are required of all students regardless of option to be pursued:
T590 Introduction to Research in Health, Physical Education and Recreation
T591 Interpretation of Data in Health, Physical Education and Recreation
P409 Basic Physiology of Exercise
P452 (or P548) Motorlearning
P538 Mechanical Analysis of Human Performance
P547 Measurement and Evaluation in Physical Education

Depending on individual career goals, and in consultation with their advisers, students will select additional courses to complete the 35 required hours in one of the options listed below (a minimum of 20 hours in physical education is required):

Adapted Physical Education  for persons interested in working with handicapped individuals in both school and nonschool settings.
Administration, Curriculum, Instruction  for persons interested in improving teaching at the elementary/secondary level; coaching at the secondary/college level; or in administration of athletic and/or physical education programs.
Athletic Training  for persons interested in certification by the National Athletic Trainer’s Association and athletic training careers in both school and nonschool settings.
Human Performance  for persons interested in study in the areas of Biomechanics, Exercise Physiology/BioChemistry, or Motor Learning/Control.
Social Science of Sport  for persons 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.
Sport Fitness  for persons interested in exercise and fitness programs in both school and nonschool settings.

Recreation and Park Administration Options
Park/Recreation Administration  T590, R500, R520, R521, R539, and T594. Remaining hours selected in consultation with adviser in accordance with career objectives in public agencies, private/commercial agencies, college unions, and general administration.
Recreational Sports Administration  T590, R500, R520, R521, R570, R571, R572, and T594. Remaining 12 hours from R522, R530, R539, P630, P639, P647, and courses in Business, Education, or other courses approved by adviser.
Therapeutic Recreation  T590, R500, R520, R521, R560, R561, R562, R563, and R642. Also select one course from: T591, T594, R515, R522, or R667. Remaining hours selected in consultation with adviser in accordance with career objectives in clinical and nonclinical settings.
Outdoor Recreation  T590, R500, R520, R521, R538, R540, and R542. Remaining hours selected in consultation with adviser in accordance with career objectives in: outdoor recreation management, camping administration, and outdoor/environmental education.

Program of Studies for the Master of Public Health Degree
Each student is required to complete successfully a total of at least 40 semester hours for the degree. All electives utilized to complete the 40 hours for the degree must be approved by the adviser.

Master of Public Health Options
Public Health Education  H500, H519, C501, C502, C510, C511, C591, C644, T590, at least three hours from C512, C514, C515, C516, C590.
Director’s Degree

The director’s degree is an intermediate degree between the master’s degree and the doctorate. It represents an opportunity for securing professional preparation beyond the master’s degree for those who are interested in supervisory, administrative, or master teaching positions in the fields of Health and Safety, Physical Education, or Recreation.

Candidates applying for admission should consider this level of graduate study to be a terminal degree; however, those displaying outstanding professional and academic qualifications may be encouraged, under certain circumstances, to enter the doctoral program upon completion of the director’s degree.

Candidates for this degree will pursue a program of studies which places primary emphasis on such competencies as planning, organizing, and developing programs, managing program finances, dealing with staff and public relations, and/or specializing in specific teaching areas.

Admission To be considered for admission, applicants must possess a minimum undergraduate grade-point average of 3.0, a graduate grade-point average of at least 3.2, appropriate GRE scores, three letters of recommendation, and a minimum of one year of professional experience.

Applicants with deficiencies in academic background will be notified of specific courses to be taken as prerequisites or corequisites to degree work. Such work cannot ordinarily be counted toward the hours required for completion of the degree.

Program of Studies At least 65 semester hours of graduate credit, including 35 hours beyond the master’s degree, 35 hours in the major field, 9 hours outside of the areas of Health, Physical Education, and Recreation, and 8 hours of thesis or 6-8 hours of internship are required for the degree. A maximum of 10 semester hours earned in “independent study” courses may be counted toward requirements for the director’s degree.

All candidates for the director’s degree are required to complete the following courses, which may be counted toward the 35 semester hours required in the major area: T590, T594, and either thesis or internship credit. In addition, the following courses are required in the area designated: Director of Health and Safety Education (H.S. Dir.) H500, H519, H642 (or T699); Director of Physical Education (P.E. Dir.) P544, P545, P642 (or T699); Director of Recreation (Re. Dir.) R500, R520, R642 (or T699).

Enrollment in the thesis or internship is permitted, with approval of the chairperson, after satisfactory completion of 15 or more hours in residence toward the degree. Students electing the thesis option are also required to take T591, which may be counted toward the 35 hour major.

Committee The adviser and one other graduate faculty member will comprise a committee which will supervise the thesis or the internship experience and evaluate the written comprehensive examination. The adviser will serve as the chairman of the thesis committee.

Thesis The candidate is encouraged to pursue a significant study in the major field. Appropriate scientific tools should be utilized and application should be made of relevant principles and procedures. The conclusions and recommendations 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. Two bound copies of the thesis are to be presented to the graduate division.

Internship The internship provides the candidate an opportunity to work under the direct supervision of an experienced professional, to gain practical insights into a major area of concentration, and to update the candidate in the use of new tools and techniques of the profession. Special care will be taken to avoid the duplication of previous professional experiences and emphasis will be placed on the development and exercise of 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 six and no more than eight credit hours are given for satisfactory

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1 For additional information see “General Requirements for Advanced Degrees,” and the HPER Graduate Student Handbook: Director’s Degree Programs.
completion of internship. 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 graduate division.

**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. This examination is administered at the time announced by the graduate division. In order to be eligible to take the qualifying examinations, students must have completed all or almost all of the requirements and receive the recommendation of their adviser.

**Doctoral Degrees**

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 (offered through the Graduate School but administered by the School of Health, Physical Education, and Recreation).

The H.S.D., P.E.D., and Re.D. are degrees designed primarily to prepare candidates for careers in college teaching and research or for positions of administrative leadership in schools or governmental or private agencies.

The Ph.D. in Human Performance is designed to prepare candidates primarily for careers in research devoted to the study of human physical activity and behavior from a variety of perspectives. Currently available specialties include biomechanics, exercise physiology, health behavior, leisure behavior, and sport psychology (including motor learning/control).

**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 section, “Doctoral Degree Special Requirements.” (Also see “General Requirements for Advanced Degrees”)

**Admission to Doctoral Study**  In addition to an application, transcripts of all previous college work, three letters of recommendation, application fee, and GRE scores (aptitude portion) must be submitted.

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

Applicants who are denied admission may request reconsideration if significant new evidence can be presented concerning their ability to pursue doctoral 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.

**Doctoral Advisory Committee**  An appropriate member of the graduate faculty will be appointed by the associate dean for graduate studies to chair the student’s doctoral advisory committee. After some familiarity has been established with the courses and faculty, the student will nominate two or three additional faculty members to represent the major and minor(s) areas on the advisory committee. Final confirmation of committee representatives is the responsibility of the associate dean for graduate studies.

The doctoral advisory committee will work with the student to prepare a “prescription of courses” for the program of studies. Deficiencies in academic background will be diagnosed by the committee and remedial course work prescribed. In general, such remedial work cannot be counted as a part of the hours required for the degree. The advisory committee will be responsible for prescribing coursework, writing and evaluating qualifying examinations.

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1 For additional information see “General Requirements for Advanced Degrees,” and the HPER Graduate Student Handbook: Doctoral Degree Programs.
supervision of the writing of the dissertation, and evaluating the candidate’s defense of the dissertation.

**Admission to Candidacy for the Doctoral Degree**  Admission to candidacy for a doctoral degree requires the student to (a) complete all or almost all course work, (b) successfully complete one of the language/research skill options, and (c) pass the qualifying examinations.

**Qualifying Examinations**  Each student is required to pass a comprehensive qualifying examination over the fundamentals of the fields in which specialization has been elected. The examination will not be limited to the subject matter of the courses taken. Normally, the student must be registered during the semester in which the examination is expected to be taken, and must file an examination application with the Graduate Division Office of the School of Health, Physical Education, and Recreation. Doctoral qualifying examinations are scheduled during the first and second semesters. If all members of the student’s advisory committee are available, and if approval is obtained from the associate dean for graduate studies, a student may apply to take the qualifying examinations during the summer session.

Before taking the qualifying examinations in the major and minor areas, the student must fulfill one of the language/research skill options listed under Language and Research Skill Options. The qualifying examinations may be taken when students are within one course of completing their program of studies. The satisfactory passing of the qualifying examinations, as certified by the doctoral advisory committee, admits the student to candidacy for the degree, providing all other requirements for admission to candidacy have been met. The associate dean for graduate studies shall notify the student and the doctoral committee of admission to candidacy, after which the student will generally be registered for dissertation research hours only.

**Dissertation Research Committee**  Following admission to candidacy the research committee is formulated to work with the chairperson in guiding the candidate’s research and to assist in the supervision of the writing of the dissertation. The committee is also responsible for evaluation of the dissertation defense. A minimum of three members is required for the H.S.D., P.E.D., and Re.D. The Ph.D. committee must be composed of at least four members.

**Enrollment after the Qualifying Examination**  After passing the qualifying examinations, a doctoral candidate must enroll each semester for thesis or research credit at the regular fee until graduation. If the required number of dissertation credits is reached before the thesis is completed, the candidate must continue to enroll for dissertation or research credits. Although summer registration is not ordinarily required, a candidate who will be graduated in June, July, or August of any year must be enrolled in thesis hours during the summer session.

**In Absentia Enrollment**  Doctoral candidates who wish to enroll in absentia must notify the Graduate Division of the School of HPER concerning 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 (thesis) 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 upon the findings; and to present the study in acceptable written form. The dissertation should be designed and carried out in such a fashion as 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 chairman of the candidate’s doctoral 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, a public presentation of the proposal must be made. In planning for this presentation candidates must follow the procedures stipulated by the appropriate department. (Detailed information is available in HPER Rm. 121.)

Note: Every proposal must contain documentation that clearance has been obtained for the use of human subjects. No dissertation will be accepted for which such clearance has not been obtained. Forms and procedures for this purpose are available from the HPER Office of Research and Development, HPER Rm. 296.
After approval by the committee the research is conducted under the supervision of the
dissertation director. The acceptability of the completed dissertation is first passed upon by
the chairperson and then by the doctoral committee at a formal meeting.

The dissertation must be completed within seven years after the successful completion of the
qualifying examinations. After the completed dissertation has been approved by the
chairperson, it will be typed in accordance with established regulations. At least four weeks
before the final examination, a copy of the completed dissertation must be presented to each
committee member. Each copy of the dissertation must be accompanied by an acceptance
page, a 350 word abstract, and a vita sheet. An additional 350 word abstract, an additional title
page, and a one-page announcement of the dissertation defense must also be submitted to the
chairperson.

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 HPER Graduate Division Office:
1. Receipt of microfilm fee (and copyright fee if desired) paid by the student to the Bursar
2. One unbound and two bound copies of the dissertation on 100% rag paper.
3. One signed and two unsigned copies of the 350 word abstract (in addition to those
   included in each copy of the dissertation)
4. One special 250 word abstract for publication in Completed Research in HPER.
5. An additional title page
6. Signed microfilm contract
7. Signed "Permission to Publish Graduate Thesis in Microform" contract (if desired)
8. Completed "Survey of Earned Doctorate"

Note: Ph.D. candidates must submit the following to the School of HPER Graduate Division
Office:
1. A completed contract entitled "Permission to Publish Graduate Thesis in Microform"
2. One bound copy of the dissertation
3. A special 250 word abstract for publication in Completed Research in HPER

Ph.D. candidates must submit the following to the Graduate School:
1. Receipt for binding the dissertation
2. One unbound and two bound copies of the dissertation
3. One signed and one unsigned 350 word abstract (in addition to those included in each
copy of the dissertation)
4. Microfilm contract form
5. Receipt of microfilm fee (and copyright fee, if desired) paid by the student to the bursar
6. An additional title page
7. Completed "Survey of Earned Doctorate"

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 "Microfilm Contract" 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, published by University
Microfilms, Inc., Ann Arbor, Michigan.
The unbound copy of the candidate's dissertation will be loaned to University Microfilms,
Inc., for complete microfilming. The resulting film copies are available for purchase by all who
request them. Copyright may be secured by the author if desired.
The unbound copy will be returned by University Microfilms, Inc., to the University 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 HPER Graduate Division Office.

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

Final Examination The final oral examination in defense of the dissertation will be
conducted by the candidate's committee. The announcement of the examination, after
approval by the chairperson, will be circulated to faculty of the School of HPER two weeks prior to the scheduled date. Faculty are welcome to attend the final oral but should contact the committee chairperson in advance as a matter of courtesy. The announcement of the final oral for the Ph.D. will be circulated to the University graduate faculty.

**Doctoral Degree Special Requirements**

**H.S.D., P.E.D., and Re.D. Degrees**  In addition to a major field of study, candidates must have one, and may have two, minors which may be within the school or in cognate fields outside of the school. The major will consist of 30 semester hours in a given field. Normally, a minor will consist of not fewer than 15 semester hours in an area approved by the candidate’s advisory committee. Minors within the school may be selected in (1) Health and Safety, (2) Physical Education, (3) Recreation, (4) Measurement and Evaluation, and (5) Public Health. Minors taken outside the school must include a minimum of 15 semester hours of course work unless otherwise specified by the minor department.

A minimum of 15 graduate credits (either minor courses or electives) must be taken outside of the school of Health, Physical Education, and Recreation. Fifteen semester hours will be granted for the dissertation.

**Program of Studies**  A minimum of 90 semester hours beyond the bachelor’s degree is required, distributed as follows:
- Major Area, 30 hours minimum
- Minor Area, 15 hours (or as stipulated by minor department)
- Second Minor or Supporting Electives, 15 hours
- Dissertation, 15 hours
- Electives, 15 hours

Total, 90 hours (minimum)

All candidates for H.S.D., P.E.D., and Re.D. degrees must take HPER T590, T591, and T592 or their equivalents. Neither these courses nor those required for the language/research tool options will count toward the 30 hour major but may count toward total hours.

**Language and Research Skill Options**  Students may select any one of the following options as a means of fulfilling the foreign language and research tool requirements. This decision is made at the time of the course prescription meeting. Except for HPER T591 and T592, graduate courses taken to fulfill option requirements cannot be counted toward the hours for the degree. An average of B or better must be earned in courses utilized in meeting the language and research skill options. (See special requirements for the Ph.D.)

**Option I**  HPER T591, T592, and T693 or T691. (When T693 or T691 is used in this manner, it cannot be counted in the hours for the major, minor, or total hours).

**Option II**  HPER T591, T592, 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 language departments, or by taking two courses in one language designated for graduate students and earning a grade of B or better in each course. (8 hours.) 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 in which a TOEFL test score of 550 or better is required.

B. Computer Science: C.Sc. C307 and C335.¹ (Note: Prerequisite of C201 is necessary.)

C. Other appropriate language/research skills which are endorsed by the advisory committee and approved by the associate dean for graduate studies.

**Ph.D. in Human Performance**

This degree is offered by the School of Health, Physical Education, and Recreation in conjunction with the Graduate School of the College of Arts and Sciences. Study in the area of human performance is designed to provide the student with a comprehensive

¹ Equivalent courses may be acceptable but must receive prior approval from the associate dean for graduate study.
understanding of the field of interest and an intimate knowledge of research methodology applicable to the area of human performance.

Prerequisites Although most applicants for the Ph.D. are generally found to have backgrounds in physical education, or exercise science, or some related field, 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 work. Such work cannot ordinarily be counted toward the hours required for completion of the degree.

Program of Studies for the Ph.D. in Human Performance Requirements totaling a minimum of 90 hours beyond the baccalaureate degree include 30 hours in the area of human performance, at least 15 hours in a cognate field (minor) outside the School of Health, Physical Education, and Recreation, 15 hours distributed among supportive electives, a substantial amount of work in statistics and research methodology, and 25-30 hours 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 hours is flexible; however, provision must be made for at least one minor (normally 12-15 hours) in a department outside the School of Health, Physical Education, and Recreation.

In general, distribution is as follows:
Major Area, 30 hours minimum
Minor, 15 hours
Supporting electives or second minor, 15 hours minimum
Dissertation, 25-30 hours
Electives, 0-5 hours
Research Skills and Languages, not counted in total hours
Total, 90 hours

All Ph.D. students must present T590 and T591, or their equivalents, as prerequisites to the major work. Credits earned in these courses will not count toward the 30 hour major (but may be counted in the total 90 required hours).

Language and Research Skill Requirement A candidate for the Ph.D. degree in Human Performance must select one of the following language/research skill options. A grade of B or better must be obtained in each course used in meeting this requirement.

NOTE: Students specializing in biomechanics must select option 3-e described below.

1. Language Option. 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. 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 in which a TOEFL test score of 550 or better is required.

2. Language and Research Skill Option. Reading proficiency in French, German, or Russian and at least 5 hours from research skill courses described below.¹
   a. Electronic Techniques: Physics P302, P421, P431
   b. Mathematics: Math M360, M366, M463, M467, M303, M311, M371, M313
   d. Computer Science: C.Sci. C343, C355 (Note: Prerequisite of C307 or C335 is necessary.)
   e. Other appropriate language/research skills which have been endorsed by the doctoral advisory committee and approved by the associate dean for graduate study.

¹ Other courses may be approved to meet these requirements if adequate justification can be provided.
3. Research Skill Option. Appropriate research skill courses such as those described below for a total of at least 9 hours credit.

a. Electronic Techniques: Physics P302, P421, P431
b. Mathematics: M360, M463, M467, M303, M311, M371, M313
c. Educational Statistics: (6 credit hours) Educ Y603 and Y604
d. Computer Science: C.Sci. C335, C343 (Note: Prerequisite of C307 or C335 is necessary)
e. 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 adviser and approval of the associate dean for graduate studies.
Courses in the School of
Health, Physical Education,
and Recreation, 1984-86

The courses below represent the total offerings of the School of Health, Physical Education, and Recreation. 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. Courses numbered 500 and above are for graduate students only.

Health and Safety Education

Public Health

C490 Field Experience in Public Health Education (2-6 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 are analyzed, 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.

C502 Advanced Techniques of Public Health Education (3 cr.) Special techniques for the effective delivery of public health education programs are developed. Course content includes the selection, development, and utilization of instructional methods and materials; group dynamics and communication skills; mass media campaigns; and program evaluation.

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

C511 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 is presented. Selected chronic and communicable diseases of special concern in public health are identified, and the role of education in disease control is emphasized.

C512 Environmental Health Science (3 cr.) Components of environmental health and public sanitation programs are introduced. 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 are considered. Course content includes health risk appraisal; program design, implementation, and evaluation; employee health networks; and special instructional methods appropriate for the workplace. Model employee health education programs from business and industry are reviewed.

C515 Health Education in Clinical Settings (3 cr.) An extensive study of health education programs in clinical settings is presented, including historical background, recent legislation, health care delivery systems, roles and responsibilities of the educator, patient representation, program planning, and evaluation strategies. Instructional techniques and materials are examined, and model programs are reviewed. Field visitations may be required.

C516 Trends in Mental Health (3 cr.) Recent developments in mental health are evaluated in relation to their implications for health education. The role of health educators in supportive listening, crisis intervention, and appropriate counseling and referral strategies is reviewed. 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 is placed upon practical application, group involvement, and the use of resource personnel. Specific topics vary and may be repeated for credit.

**C590 Evaluation of Health Education Programs (3 cr.)** Procedures for planning and conducting evaluations of school and community health education programs are specified. Use of health-related questionnaires, checklists, interviews, telephone surveys, rating scales, knowledge tests, and behavior inventories by health educators is described. Guidelines for compiling, analyzing, summarizing, and reporting the results of evaluations are suggested.

**C591 Public Health Statistics (3 cr.)** An applied approach to the collection, organization, and interpretation of data pertinent to public health and vital statistics is outlined. The application of bio-statistical methods, population data, morbidity and mortality rates, ratios, and life tables to public health is explained.

**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 and may be repeated for credit.

**C640 Research in Public Health (1-10 cr.)** 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 (1-10 cr.)** 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 (1-10 cr.)** 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: 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 and may be repeated for credit.

**C777 Doctoral Seminar in Public Health**
(1-3 cr.) P: 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**

**H160 First Aid (2 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.

**H317 Topical Seminar in Health Education**
(1-3 cr.) The topical seminars will relate to current issues in the field of health education. Possible topics may be: death and dying, the nature of cancer, health care delivery systems, human sexuality and health, drug use, and others. May be repeated for credit if topic differs.

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

**H363 Personal Health (3 cr.)** Acquaints prospective teachers with basic personal health information; provides motivation for intelligent self-direction of health behavior with emphasis on responsibilities as citizens and as teachers. Study of physiological and psychological bases for health, drugs and other critical issues, and family health.

**H366 Health Problems in the Community (3 cr.)** Human ecology as it relates to interaction of social and physical phenomena in solution of community health problems. Considers the promoting of community health, programs of prevention, environmental health, and health services.

**H460 Instructor's Course in First Aid (2 cr.)** P: standard first-aid certificate or completion of H160 and junior or senior class standing. Advanced consideration of first aid subject matter; orientation in methods, techniques, and teaching devices in first-aid courses; practical classroom instruction required. Completion of courses qualifies one as Standard First Aid and Personal Safety Instructor.

**H464 Organization of Health Education**
(2 cr.) P: HPER H363 or permission of instructor. Organization of total health
program involving health services, healthful school living, and health instruction. Content and materials suitable for a high school health course stressed. Introduction to public health, functions of voluntary and official agencies and textbook evaluation.

H465 Community Health Education (3 cr.) Place of the teacher in community health education program. Considers need of program, various media and methods which may be employed, place of existing agencies in the program.

H500 Foundations of Health and Safety Education (3 cr.) The philosophy and principles that provide the foundation for health and safety education as academic disciplines are explored. Specific topics include history of the professions, theories of health behavior, principles of learning applied to health communications, diffusion and adoption in health promotion, professional preparation, and areas of professional specialization.

H501 Health Education Curriculum (3 cr.) The theory and practice of curriculum development in health education are examined, including philosophy and principles of curriculum development; community involvement; scheduling and sequence of health instruction; yearly, unit, and lesson planning; course of study preparation; evaluation strategies; and practical procedures for organizing a curriculum development project.

H502 Instructional Strategies for Health Education (3 cr.) Innovative strategies for the teaching of health education are applied. 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 School Health Programs (3 cr.) Criteria for the organization, implementation, and evaluation of health education programs in schools are recommended within the areas of administration, health instruction, health services, and the healthful school environment. Special roles and responsibilities of teachers, nurses, administrators, and other school and community personnel in promoting health are noted.

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

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

H514 Health Education in Elementary and Middle Level Schools (3 cr.) Recommendations for providing 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, gaming, simulations, and experimentation is emphasized.

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 techniques 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 and related disciplines are conducted in workshop fashion under the direction of faculty members. Emphasis is placed upon practical application, group involvement, and the use of resource personnel. Specific topics vary and 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. Principles of teaching and counseling in drug education programs are discussed.

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

**H617 Seminar in Health Education (1-3 cr.)**
Contemporary topics in the area of health education are studied under the direction of faculty members with specialized areas of expertise. Specific topics vary and may be repeated for credit.

**H640 Research in Health Education (1-10 cr.)**
Research projects are conducted under the direction of a number 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 (1-10 cr.)**
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.)**
Professional internships in school or agency settings are completed under the direction of a faculty member. Internship experiences must be approved in advance and are available only upon completion of coursework for a master’s degree. Evaluation is on an S-F basis only.

**H643 Practicum in Health Education (1-10 cr.)**
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 in School and Public Health (1-10 cr.)**
P: 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 tours vary and may be repeated for credit. Only S-F grades given.

**H717 Advanced Seminar in Health Behavior (1-3 cr.)**
P: 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 and may be repeated for credit.

**H740 Research in Health Behavior (1-10 cr.)**
P: Permission 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: Permission of instructor. Planned 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: Doctoral student status. Research techniques in health education 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.

**H790 H.S.D. Dissertation (cr. arr.)**
**H799 Ph.D. Dissertation (cr. arr.)**

**Safety Management**

**S155 Driver Education (2 cr.)**
Prepares students for state examinations. Classroom instruction and supervised practice driving, including traffic situations, rules of the road, highway courtesies, and formation of desirable attitudes.

**S350 Content and Materials in Safety Education (2 cr.)**
For secondary school teachers and principals. General safety education in the instructional program, program content for the elementary school, and accident causes and remedial action. Laboratory has projects on campus and in community.

**S351 Leadership Development in the Shooting Sports (2 cr.)**
Trains voluntary leaders in community programs in shooting sports. Students may qualify as NRA certified rifle, pistol, and shotgun instructors. Emphasis on firearm safety and the teaching of marksmanship.

**S456 Traffic Safety Education for Teachers (4 cr.)**
Materials and methods for high school classroom and practice driving instruction. Psychophysical limitations of drivers, driving procedures, care procurement, scheduling, public relations, maintenance, pedestrian protection, skill exercises, road training. Students teach beginners. Chauffer’s license required.

**S458 Driver Education Multiple Instruction Techniques (3 cr.)**
Multi-media techniques, methods, and materials of instruction including multi-media learning systems and driving simulators. Multiple car methods of instruction including the design and operation of off-street driving ranges. Open

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1 May be taken for graduate credit.
only to juniors, seniors, and graduate students who will be completing certification in the field of driver education.

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 is emphasized.

S502 Instructional Strategies for Safety Education (3 cr.) Approaches to the preparation and delivery of comprehensive instructional programs in safety settings are examined. Course content includes 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 are considered. Course content includes theories of management and supervision, program planning, staffing, reporting, record-keeping, and budgeting procedures. Management models and administrative functions for programs in schools, colleges, business, industry, and government are analyzed.

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

S513 Safety Management in Business and Industry (3 cr.) Principles of safety management applicable to business and industrial settings are addressed, 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 visitations are utilized.

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

S640 Research in Safety Education (1-10 cr.) 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 (1-10 cr.) 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.) Professional internships in appropriate settings are completed under the direction of a faculty member. Internship experiences must be approved in advance and are available only upon completion of coursework for a master's degree. Evaluation is on an S-F basis only.

S643 Practicum in Safety Education (1-10 cr.) 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: 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 and may be repeated for credit.

S777 Doctoral Seminar in Safety Education (1-3 cr.) P: Doctoral student status. Research techniques in safety education 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.
Hazard Control Technology
S100 Basics of Explosives (3 cr.) Principles, concepts, techniques, and applicable regulations governing the safe development, production, storage, handling, transportation, testing, disposal and fleet use of ammunition and explosives. Designed exclusively for Navy civilian and military personnel.
S101 Introduction to Safety Science (3 cr.) Surveys the safety profession and examines the safety movement from an historical perspective. A conceptual overview of public safety, industrial safety, traffic safety, recreational safety, and home safety are developed. Requirements and opportunities in the field of hazard control are discussed.
S151 Safety Codes and Standards (3 cr.) General industry codes, standards, and requirements developed as a result of the Occupational Safety and Health Act are reviewed. In addition, the codes and standards resulting from other safety and health legislation and those created by other public or private agencies that have an impact on the safety professional are discussed.
S152 Occupational Safety — General Industry Standards (3 cr.) An introduction and analysis of the Occupational Safety and Health general industry standards as they apply to the private sector and the federal sector. Includes an inspection practicum. Designed exclusively for Navy civilian and military personnel.
S153 Occupational Safety Construction Standards (3 cr.) Introduction and analysis of Occupational Safety and Health standards as they apply to maritime operations in the private sector and the federal sector. Includes an inspection practicum. Designed exclusively for Navy civilian and military personnel.
S154 Occupational Safety Maritime Standards (3 cr.) Introduction and analysis of Occupational Safety and Health standards as they apply to maritime operations in the private sector and the federal sector. Includes an inspection practicum. Designed exclusively for Navy civilian and military personnel.
H201 Introduction to Industrial Hygiene (3 cr.) Fundamentals of industrial health and hygiene including identification and evaluation of health hazards, control of occupational hazards, laboratory analysis, effects of occupational environment on human health and performance. Emphasis is placed on application of theory and technique.
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 is placed on the life safety aspect of fire protection.
S251 Accident Investigation Analysis and Reporting (3 cr.) 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 will be discussed.
S252 Human Factors Analysis (3 cr.) Techniques, procedures and principles for utilizing human factors engineering and analysis in connection with the design or evaluation of the workplace, equipment, material, and the environment. Human physiological, psychological, and sociological factors are examined for their impact on the effective, efficient use of the working environment.
H253 Health and Safety Evaluation Laboratory (3 cr.) Selection, use, and maintenance of major health and safety instruments as required in Occupational Health and Safety practice. Practical experience in the use and calibration of instruments will be provided.
S253 Hazard Control Program Management (3 cr.) Principles, theories, and concepts of safety and health program management. Comparisons of past, present, and future management practices in the safety profession. The role of the safety professional in the conduct of a total safety program is emphasized.
S352 Systems Safety Analysis (3 cr.) Theory and application of system safety techniques using inductive and deductive logic diagramming. Operations and management of systems programs, system safety mathematics and their interface with the computer are developed.
S353 Hazard Control Program Administration (3 cr.) Management, policy making, and administration techniques used in the public and private sector. Strategies and techniques needed to respond to the frequent problems confronting the safety manager are emphasized.
S401 Hazard Control Engineering (3 cr.) P: HPER S101. Technical principles of safety and health hazard control. Emphasis is placed on the design, selection, testing, and modification of hazardous agents and environments. Requisite codes, standards,
and requirements for hazard control engineering are examined.

**S490 Field Experience in Occupational Safety (2-8 cr.)** Field experience through on-the-job and related opportunities in occupational safety. Students will be assigned to industrial and occupational enterprises offering professional development for the safety specialist. Periodic critiques will be scheduled with supervisory personnel. Written progress reports will be required.

### Physical Education
**Professional Preparation Program**

**Athletics**

**A181-A182 Orientation in Athletic Training I-II (1-1 cr.)** Introduction to planning and operation of athletic training room, equipment room, and locker areas. Opportunity for observing training room techniques.

**A281 Basic Principles of Athletic Training (3 cr.)** The role of the trainer in sports, professional relationship with other disciplines, principles of athletic fitness, and organization and administration of training program stressed. Practical experience offered to those with an emphasis in athletic training.

**A282 Basic Techniques of Taping and Bandaging (3 cr.)** Through classroom study, students will learn the skills of taping, bandaging, and first-aid methods associated with prevention and care of athletic injuries. Assignments in the training room for those emphasizing athletic training provide practical experience.

**A361 Coaching of Football (1/2 cr.)** P: HPER P229 or permission of instructor. 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 (1/2 cr.)** P: HPER P122 or permission of instructor. Fundamentals of basket shooting, passing, ball handling, and footwork; 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. Psychology of coaching.

**A363 Coaching of Baseball (1/2 cr.)** P: HPER P233 or permission of instructor. Fundamentals of pitching, catching, batting, base running, infield and outfield play; offensive and defensive strategy; organization and management.

**A364 Coaching of Track and Field (1/2 cr.)** P: HPER P121 or permission of instructor. 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.

**A365 Coaching of Wrestling (1/2 cr.)** P: HPER P234 or permission of instructor. Three basic purposes: a better understanding and appreciation of collegiate and high school wrestling; teaching the basic fundamentals of wrestling—takedowns, escape, reversals, pinning combinations, and counter maneuvers for each; interpreting and insuring proper use of amateur wrestling rules.

**A366 Coaching of Gymnastics (1/2 cr.)** P: HPER P222 or permission of instructor. Practical and theoretical experiences in gymnastics dealt with: students participate in performance of skills in the gym and in class discussion sessions 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 (1/2 cr.)** P: WSI Certificate or permission of instructor. Theory and methods of coaching swimming and diving covering technical, administrative, and organizational aspects of the process. Emphasis placed on fundamentals, conditioning, and coaching psychology.

**A368 Coaching of Tennis (1 cr.)** P: HPER P121 or permission of instructor. Theory and methods of coaching tennis covering technical, administrative, and organizational aspects of the process. Emphasis placed on fundamentals, tactics, conditioning, and conduct of practice sessions.

**A369 Coaching of Golf (1/2 cr.)** P: HPER P230 or permission of instructor. Theory and methods of coaching golf covering technical, administrative, and organizational aspects of the process. Emphasis on skill analysis, error identification and correction, special golf shots, and strategies for playing the course.

**A370 Coaching of Soccer (1/2 cr.)** P: HPER P122/Soccer or permission of instructor. 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.

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1 Required of freshmen with emphasis in athletic training.
2 Open only to students with emphasis in athletic training.
conditioning the player, and organizing practice sessions.

A371 Coaching of Volleyball (1 1/2 cr.) P: HPER 1122/Volleyball or permission of instructor. 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 Scientific Foundations of Athletic Training (3 cr.) Classroom course emphasizing policies and procedures related to organization and administration of a comprehensive athletic training program on a high school and/or college level. Includes advanced techniques of managing athletic injuries.

A480 Care and Prevention of Athletic Injuries (1 cr.) Course designed to assist student in recognizing, understanding, and managing athletic injuries. Methods of taping and bandaging are emphasized.

A481 Practicum in Athletic Training (2 cr.) Variety of experiences provided through assignments to university varsity sports, high school sports, middle school sports, and reserve programs. Students will be under the experienced guidance and control of medical and athletic training supervisors.

A483 Principles of Sports Officiating (1 cr.) Topics include such sports as: football, baseball, basketball, volleyball, and gymnastics. Ethics of sport officiating: mastery, interpretation, and application of sports 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.

A485 Advanced Undergraduate Techniques (cr. arr.) Advanced preparation in techniques of teaching such sports and activities as swimming, wrestling, football, baseball, track and field, minor athletic games, gymnasium floor apparatus, and rhythmic.

A581 Principles and Practices in Athletic Training (3 cr.) Organization, administration, and functions of athletic training programs emphasized. Laboratory experiences related to various techniques in conditioning and bandaging practiced.

A582 Problems in Athletic Training (3 cr.) Study of the various problems confronting an athletic trainer. These experiences are developed through lectures, demonstrations, and discussions with authorities (including physicians and lawyers) in the areas of concern.

A583 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.

A584 Administration of Athletic Training (3 cr.) Designed to provide classroom and practical experience in developing pre-athletic physical examinations, the athletic training responsibilities as viewed by the administrator of athletic programs, certification examination requirements, and cardio-pulmonary resuscitation.

A585 Rehabilitation and Conditioning of Athletes (3 cr.) Introduction to the scientific background necessary for understanding, planning, and conducting conditioning and rehabilitation programs for athletes; procedures, methods, and factors for developing such programs are emphasized.

A586 Athletic Training Principles for Therapeutic Modalities (3 cr.) Physical and chemical properties of hydro- and electrotherapy with an emphasis on the physiological and anatomical principles, techniques, and legal aspects of application.

A640 Independent Study and Research (cr. arr.) Independent research conducted under guidance of a faculty member.

A642 Internships in Athletics (2-8 cr.) Off-campus professional field experience in school or agency situation under qualified supervision. Offered only after completion of course work for master’s degree.

A643 Practicum in Athletics (cr. arr.) Practical field experience under supervision and seminar discussions.

Dance

D151 Introductory Rhythmic Music (1 cr.) A presentation of basic rhythm theory using

1 Required of freshmen with emphasis in athletic training.
2 Required of athletic training students and open also to HPER students above freshman level with permission of the instructor.
music rhythm notation as the principal medium. Emphasis on aural perception of rhythm through ear training exercises. An introduction to concepts of musical form in classical, popular, and folk music, with emphasis placed on aural perception.

D161 Foundations of Modern Dance (2 cr.) A survey of modern dance in contemporary society; theories, philosophies, personalities, and trends.

D200 Dance in Elementary Education (1 cr.) Designed to aid the prospective teacher in presenting a well-rounded program of rhythmic activities on the elementary level, including the use of dance movement as an expressive medium for children.

D201 Modern Dance Workshop I-II-III-IV (1 cr. each semester) Open to dance majors/minors only. Collaboration of dance faculty in providing a wide variety of movement experiences in the areas of techniques, composition, and improvisation. This course may be repeated.

D211 Advanced Technique I (2 cr.) P: HPER E355 or instructor's permission. Designed to allow the student to develop a higher level of technical proficiency, with an emphasis on the application and analysis of various movement principles as they relate to dance and performance.

D212 Advanced Technique II (2 cr.) P: HPER D211. An extension of principles examined in D211, with an emphasis on style and performance, through the use of longer and more complex movement sequences.

D218 Modern Jazz Dance Technique (1 cr.) Instruction in jazz dance technique derived from the styles of Luigi and Gus Giordano; special emphasis on centering, precision and clarity of movement, coordination, and performance skills—specifically style and visual focus.

D221 Dance Composition I (2 cr.) P: HPER E255 or E355. Through problem-solving assignments appropriate for dance composition, tools for discovering movement will be developed.

D222 Dance Composition II (2 cr.) P: HPER D221. Elements for forming and structuring movement into complete dances.

D252 Rhythmic Form and Analysis (2 cr.) P: HPER D151. A further study of rhythm theory, using both music and dance movement as media. Emphasis on individual performance and creativity. Discussion of principles of musical-spatial elements. Exercises in rhythmic-metric analysis of music and dance accompaniment techniques.

D311 Theory and Practice of Dance Technique I (2 cr.) P: HPER D212. Development of individual's dance technique through basic understanding of various theories and principles existing within the modern dance form.

D312 Theory and Practice of Dance Technique II (2 cr.) P: HPER D311. Further investigation of the theories and philosophies of technical training introduced in D311. Their efficient application to teaching and performing.

D331 Dance and the Allied Arts I (3 cr.) Historical development of dance and the related arts, primitive through medieval.

D332 Dance and the Allied Arts II (3 cr.) P: HPER D331, consent of instructor. Historical development of dance and related art forms, renaissance through contemporary.

D351 Teaching of Modern Dance (1 cr.) P: HPER P221. Study of various approaches, methods, and materials for teaching dance on the secondary level, including procedures for evaluation.

D353 Musical Resources for Dance (2 cr.) Presentation of criteria for selection of music for dance accompaniment. Aural evaluation of various musical styles with emphasis on their adaptability as dance accompaniment. Visual-aural analysis of musically-accompanied choreography.

D441 Dance Production I (3 cr.) Basic orientation to technical theatre, specifically for dance. Production methods for publicity, audio-visual materials, and make-up design. Includes presentation of an original lecture-demonstration.

D442 Dance Production II (3 cr.) P: HPER D441. Basic theories of color, costumes, stage lighting, and set design as they relate to dance. Practical application in studio concerts.

D461 Basic Methods of Dance Notation (1 cr.) P: Previous dance training. Methods and systems of recording and analyzing movement.


Physical Education

P121 Performance of Individual Sports (1-2 cr.) Fundamental skills and strategies of tennis, track and field. Exemption possible with satisfactory scores on knowledge and skill proficiency test. Credit does not count toward the Major. P: for P323.

P122 Performance of Team Sports (1-2 cr.) Fundamental skills and strategies of basketball, volleyball, and soccer. Exemption possible with satisfactory scores on
knowledge and skill proficiency tests. Credit does not count toward the Major. P: for P325.

P190 Fundamentals of Human Movement (1 cr.) Laboratory class dealing with the underlying factors that influence movement and the application of these factors to specific games, sports, and self-testing activities.

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 are discussed.

P221 Performance of Rhythm and Dance (2 cr.) Principles, terminology, and techniques of fundamental movements as they relate to units of musical structure. Instruction in modern, folk, square, and ballroom dance.

P222 Performance and Teaching of Gymnastics (2 cr.) Instruction and analysis of skills in stunts, tumbling, gymnastics, and apparatus. Teaching techniques, methods of class organization, and safety procedures stressed. Opportunity to practice use of teaching skills.

P225 Performance and Teaching of Archery (1 cr.) Instruction and analysis of skills, techniques, and strategies in archery. Development of skills in unit planning, error analysis, and correction.

P226 Performance and Teaching of Badminton (1 cr.) Instruction and analysis of skills, techniques, and strategies in badminton. Development of skills in unit planning, error analysis, and correction.

P227 Performance and Teaching of Bowling (1 cr.) Instruction and analysis of skills, techniques, and strategies in bowling. Development of skills in unit planning, error analysis, and correction.

P228 Performance and Teaching of Field Hockey (1 cr.) Instruction and analysis of skills, techniques, and strategies in field hockey. Development of skills in unit planning, drills, and modified game forms.

P229 Performance and Teaching of Flag Football (1 cr.) Instruction and analysis of skills, techniques, and strategies in flag football. Development of skills in unit planning, drills, and modified game forms.

P230 Performance and Teaching of Golf (1 cr.) Instruction and analysis of skills, techniques, and strategies in golf. Development of skills in unit planning, error analysis, and correction.

P231 Performance and Teaching of Martial Arts (1 cr.) Instruction and analysis of skills, techniques, and strategies in martial arts. Development of skills in unit planning, error analysis, and correction.

P232 Performance and Teaching of Racquetball, Squash, Handball (1 cr.) Instruction and analysis of skills, techniques, and strategies of racquetball, squash, and handball. Development of skills in unit planning, error analysis, and modified game forms.

P233 Performance and Teaching of Softball (1 cr.) Instruction and analysis of skills, techniques, and strategies in softball. Development of skills in unit planning, drills, and modified game forms.

P234 Performance and Teaching of Wrestling (1 cr.) Instruction and analysis of skills, techniques, and strategies in wrestling. Development of skills in unit planning, error analysis, and correction.

P239 Stunts, Tumbling, and Apparatus for Young Children (1 cr.) Instruction and analysis of skills and techniques in stunts, tumbling, and apparatus for elementary school children. Development of skills in unit planning, error analysis, and correction.

P240 Foundations of Physical Education (2 cr.) An introduction to physiological, psychological, sociological, and kinesiological principles related to physical education.

P249 Rhythmic Experiences for Children (1 cr.) Twenty-five to thirty folk and gymnastic dances and singing games suitable for playground, gymnasium, community center, and recreation in general.

P290 Movement Experiences for Pre-school and Elementary School Children (2 cr.) Provides the student with knowledge of potential outcomes of pre-school and elementary school motor development programs, of how to implement such programs, and of appropriate movement experiences for young children. Also provides the student with opportunities for observing and teaching young children in a structured gymnasium setting.

P321 Teaching of Folk and Square Dance (2 cr.) P: HPER P221. Methods and materials of folk dance instruction in upper elementary grades and high school; special attention to terminology, fundamental skills, selection, presentation of dances.

P323 Teaching of Individual Sports (2 cr.) P: HPER P212 or satisfactory proficiency test. Teaching of tennis, conditioning and weight training, and track and field. Analysis of skill progressions, teaching techniques, unit planning skills, error analysis and correction, and in-class teaching experiences. Development of scientific programs of
conditioning with emphasis on weight training techniques.

**P324 Recreational Sports Programming (3 cr.)** Course provides an overview of the programmatic elements and techniques which currently exist in recreational sports. Specific topics include 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: HPER P122 or satisfactory proficiency test. Teaching of soccer, basketball, and volleyball. Analysis of skills, progressions, teaching techniques, drills, unit planning skills, and in-class teaching experiences.

**P326 Advanced Life Saving and Water Safety Instruction (2 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.N.R.C. WSI Certification.

**P330 Organization and Administration of Aquatics (2 cr.)** P: WSI. Development and administration of aquatic programs in elementary and secondary schools.

**P384 Aquatics (1 cr.)** Primarily for physical education and recreation majors. Emphasizes techniques of teaching swimming as well as the improvement of the students' swimming skills.

**P385 Pool Management, Maintenance, and Construction (2 cr.)** Information in pool management, maintenance, and construction with emphasis on the newest design information and construction techniques.

**P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)** P: HPER P240. A study of growth and developmental characteristics of school age youth. Emphasis is placed on motor development and movement performance, and the relationship to cognitive and affective behavior. Supervised teaching experiences are an integral part of the course.

**P395 Practicum in Pre-School and Elementary School Physical Education (2 cr.)** Provides the student with supervised teaching experiences in physical education with pre-school and elementary school children. Course may be repeated.

**P396 Historical and Philosophical Foundations of Physical Education (3 cr.)** Physical education in ancient societies, the Middle Ages, modern Europe, and the United States; ancient, medieval, and modern philosophies.

**P397 Kinesiology (3 cr.)** P: Anatomy A215. Application of facts and principles of anatomy, physiology, and mechanics to problems of teaching physical education skills and activities of daily living.

**P398 Adapted Physical Education I (3 cr.)** P: Anatomy A215 and HPER P397. Study of conditions which require physical education programs to be adapted to special needs of individuals, including analysis of normal and faulty postures. Principles and practices in application of exercises and activities for specific handicapped conditions.

**P399 Practicum in Adapted Physical Education (1-2 cr.)** P: HPER P398. A practical learning experience in adapted physical education with handicapped children. Course may be repeated.

**P401 Adapted Physical Education II (3 cr.)** P: Anatomy A215, HPER P397. Study of deviations from normal patterns of growth and development. Includes methods of recognizing physical divergencies, screening and referral for further examination, and adapting exercises and activities for prevention and correction of deviations.

**P409 Basic Physiology of Exercise (3 cr.)** P: PHSL P215 or the equivalent and Anatomy A215. 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.

**P422 Advanced Techniques for Teaching and Coaching Gymnastics (2 cr.)** P: HPER P222. Course concentrates on intermediate and advanced levels of gymnastics competition; uneven parallel bars, balance beam, trampoline, floor exercise, and vaulting as well as coaching techniques and methods of conditioning.


**P429 Aquatic Composition and Show Production (2 cr.)** Laboratory experiences in aquatic composition and show production.

**P444 Issues in Physical Education (3 cr.)** A senior seminar. Major arguments pro and con on a number of controversial ideas in the field of physical education are considered.

**P446 Sports Science Seminar (3 cr.)** Students will discuss contemporary issues of sports science, as well as critiques of research in an
area of special interest. They will be responsible for developing an original scholarly paper to demonstrate the ability to carry out investigative processes in problem solving and critical writing.

**P447 Special Problems in Physical Education and Athletics (cr. arr.)** Workshops, institutes, clinics, or seminars in physical education or athletics. Credit will depend upon the nature of the project undertaken and the length of time involved. Course may be repeated.

**P448 Internship in Sports Science (1-3 cr.)** A field learning experience for senior sports science majors. Only S-F grades given.

**P450 Principles and Psychology of Coaching (3 cr.)** Open to juniors and seniors only. A study of the many psychological aspects pertaining to coaching competitive athletics; including motivation, player-coach relationships, team selection, team morale, and strategy. Emphasis on underlying sociological determinants of environment as contributing factors in competition.

**P452 Motor Learning (3 cr.)** P: Anatomy A215, Physiology P215, Psychology P101, or permission of instructor. Open to juniors and seniors only. An examination of factors which affect the acquisition and performance of motor skills. Topics include perception, psychomotor learning, practice methods, and theories of neuromuscular integration.

**P490 Motor Development of Pre-School and Elementary School Children (3 cr.)** A study of the motor development of children from infancy through middle childhood. Emphasis is placed on observing and analyzing characteristic movement behavior and motor performance of children with application to developmentally appropriate movement experiences.

**P492 Laboratory Assisting or Field Experience in Sports Science (1-3 cr.)** Student will assist in either an on-going 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 statistical procedures.

**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 of that activity before they are allowed to assist. Course may be repeated.

**P497 Organizational and Curricular Structures of Physical Education K-12 (3 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 (1-3 cr.)** A practical learning experience in teaching and/or coaching under guidance of faculty and supervisor.

**P499 Research in Physical Education and Athletics (cr. arr.)** This course is open to junior or senior majors or minors in physical education. Permission of chairperson of department is required.

**P510 Special Topics in Physical Education (cr. arr.)** Selected topics in Physical Education.

**P527 Growth and Physical Performance of the Pre-School and Elementary School Child (3 cr.)** Study of the developmental aspects of human performance. Designed to enhance understanding of the processes of growth and motor development from conception to adolescence. Research on cognitive, affective, and psychomotor development and their impact on the motor behavior of children is emphasized.

**P530 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 capacities and abilities required for high level physical performance.

**P533 Theory and Techniques of Dance for High School and College (3 cr.)** For high school and college teachers. Theory and practical work; development of skills which make the body an instrument of expression.

**P534 Problems of Teaching Rhythms in Elementary Grades (3 cr.)** A course especially designed for elementary teachers and physical education teachers working with elementary children. Theory and practical approach in teaching dance movement.

**P535 Physical Education in the Elementary School (3 cr.)** Course focuses on a developmental approach to the physical education of children. Emphasis is placed on the impact of developmental movement experiences, curriculum development, teacher behavior, class management, play
environments, and a variety of developmentally appropriate movement activities. Students participate in classroom instruction, group projects, and a variety of contemporary game, rhythm, and self-testing activities.

P536 Principles and Practices in Supervision of Physical Education in the Elementary School (3 cr.) Educational philosophies underlying modern physical education programs. Relationship of elementary physical education to the total curriculum. In-service programs to assist classroom teachers and specialists in planning games, rhythms, and self-testing techniques. Scheduling of indoor and outdoor facilities, blueprinting of gymnasium and playground areas, public relations programs.

P537 Relationship of Growth Patterns of the Junior High School Student to Physical Performance (3 cr.) Study of the developmental aspects of human performance. Designed to enhance understanding of the processes of growth and motor development throughout adolescence. Research on cognitive, affective, and psychomotor development and their impact on the motor behavior of the adolescent is emphasized.

P538 Mechanical Analysis of Human Performance (3 cr.) P: HPER F397; recommended Physics P201. Newtonian mechanics applied to human movement. Analysis of sports techniques.

P539 Facilities for Physical Education, Recreation, Health and Safety (3 cr.) Principles, terminology, standards for planning, construction, use, and maintenance of facilities for indicated programs; standard authoritative references studied and critically evaluated.

P543 Supervision in Physical Education (3 cr.) Principles, problems, procedures for administering a city physical education program from viewpoint of city director or school administrator.

P544 Administration of Physical Education (3 cr.) A course to prepare individuals to assume administrative roles in physical education. Concepts and practices related to the administration of physical education. Procedures for developing and evaluating learning experiences. Aspects of administration pertaining to programming, personnel, facilities, equipment, supplies, safety, in-service programs.


P546 Movement Performance of the Exceptional Child (3 cr.) Study of characteristics of physically, mentally, and emotionally handicapped persons and their strengths and limitations in movement performance. Consideration is also given to assessing developmental levels and motor performance of handicapped individuals.

P547 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 involved.


P549 Organization of Physical Therapy (2 cr.) Special fields of physical rehabilitation; use of exercise, massage, heat, water, electricity, various forms of radiation in public schools; some demonstrations.

P550 Motor Assessment of the Exceptional Child (3 cr.) Neurologic bases and factor structures of motor ability in normal and in exceptional populations, movement problems associated with specific syndromes, assessment of motor development with structured and unstructured tests and check lists.

P556 Problems in Adapted Physical Education (3 cr.) P: P546 or its equivalent. A study of problems as they relate to philosophy, procedures, and practices in adapted physical education.

P570 Recreational Sports Administration (3 cr.) The study of recreational sports (intramural/extramural/club sports) relevant to historical developments, philosophical foundations, programming implications, administrative consideration, and creative activity.

P576 Advanced Physiology of Exercise (3 cr.) P: Phsl. 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.
P621 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.

P625 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.

P630 The Role of Sports in Society (3 cr.) Significance of sports in society; examination of relationships of sports to other elements of the culture; how sports contribute to human welfare in advanced technological society.

P635 Problems and Issues in Higher Education in Physical Education (3 cr.) Historical review; purposes of higher education at several levels and review of curricula emphases at each level; problems of selection, guidance, placement, facilities; retention of personnel; methods and policies in higher education; pertinent issues and trends.

P637 Study of Factors Affecting Human Performance (3 cr.) Study of human movement based on scientific foundations of human performance, including advanced kinesiological theories and neuromuscular integration.

P638 Biomechanics of Human Performance (3 cr.) P: P538 and Physics P201 or equivalent. Study of the mechanical principles of human motion through detailed analysis and specific movements. The general applicability of the principles is discussed. The course deals with forces, moments, stability, and linear and angular momentum.

P639 Psychological Aspects of Sports (3 cr.) Study of psychological factors affecting performance in sports; analysis of athlete behavior and training programs for high level performers.

P640 Independent Study and Research (cr. arr.) Independent research conducted under guidance of a graduate faculty member.

P641 Readings in Physical Education (cr. arr.) Guided readings for broadening information and understanding of the profession.

P642 Internships in Physical Education (2-8 cr.) Off-campus professional field experience in school or agency situation under qualified supervision. Offered only after completion of course work for master's degree.

P643 Practicum in Physical Education (cr. arr.) Practical field experience under supervision and seminar discussions.

Grading for this course should be on a pass-fail basis.

P646 Rehabilitation of the Physically Handicapped (3 cr.) Identification, analysis, and evaluation of physically handicapping conditions; rehabilitation procedures, including muscle testing, therapeutic exercise, massage, and relaxation.

P647 Seminar in Physical Education (1-3 cr.) Problems in physical education.

P648 Topics in Motor Integration (3 cr.) P: HPER P548. A discussion of current research concerns in motor integration.

P740 Research in Physical Education (cr. arr.)

P741 Readings in Human Performance (2-5 cr.) Advanced readings in one or more areas, including biomechanics, physiology of exercise, sports psychology (including motorlearning and control), encompassing domestic and foreign publications.

P742 Experimental Laboratory Techniques (2-5 cr.) Experimental investigation of problems in the area of human performance, including laboratory design and advanced research techniques.

P790 P.E.D. Dissertation (cr. arr.)

P799 Ph.D. Dissertation (cr. arr.)

Physical Education Elective Program

E100 Experiences in Physical Education (1 cr.) Instruction in a specified physical education activity that is not a regular offering of the Department of Physical Education. Emphasis on development of skill and knowledge pertinent to the activity.

E102 Aerobic Dance (1 cr.) Course is a total fitness class which emphasizes cardiorespiratory conditioning, flexibility, muscular endurance, and coordination through rhythmic body movement. Only S-F grades given.

E103 Archery (1 cr.) Instruction in archery skills, including care and construction of tackle. Instruction follows guidelines of the Outdoor Education Project of AHPER. Emphasis on fundamental skills and shooting form.

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.

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.
Recreational aspects are emphasized. 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, samba, and jive 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 will be done and cardiovascular training will be emphasized. Proper riding technique, safety, and other features of competitive and recreational cycling will be discussed.

E113 Billiards (1 cr.)
Instruction in basic skills, including bridge forming, stroke techniques, bank shots, and cue ball spin. Fee charged.

E115 Body Dynamics (1 cr.)
Instruction in body toning exercises, methods of controlling body weight, methods of relaxation, and proper body carriage.

E117 Bowling (1 cr.)
Beginning instruction in the fundamentals of approach, release, arm swing, methods of scoring, rules and etiquette on the lanes. Explanation of lane construction, lane condition, and automatic machines. Fee charged.

E119 Conditioning (1-2 cr.)
Instruction in basic principles of conditioning and fitness. Emphasis on muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance. Designed for students without prior knowledge of conditioning methods.

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.

E123 Diving (1 cr.)
Instruction in fundamental dives, including approach, takeoff, execution of the dive, and entry into the water. Emphasis on basic forward, backward, reverse, and twisting somersaults. Course designed for all levels regardless of past diving experience.

E125 Exercise to Music (1 cr.)
Instruction in exercises for flexibility and muscle toning. Exercises are set to musical routines.

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 épée.

E129 Field Hockey (1 cr.)
Instruction in fundamental skills of dribbling, passing, scoring, tackling, basic strategies of offensive and defensive play, and interpretation of the rules.

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 included. Course designed for students without prior experience in jogging programs, aerobics levels I through III.

E135 Golf (1 cr.)
Beginning instruction in techniques for putting, chipping, pitching, iron swing, and wood strokes. Course includes 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 trampoline, tumbling, and vaulting. Emphasis on events performed by both men and women. All events will be included.

E139 Handball (1 cr.)
Instruction in basic skills for beginning players. Includes both four-wall singles and doubles games.

E141 Horsemanship Hunt (1 cr.)
Beginning instruction in balance seat (hands, seat, feet, and leg position). Proper method to groom, saddle, bridle, mount, and dismount correctly. Acquire the knowledge of the proper balance position for forward seat riding. The mount and rider will be given the proper use of cavalletti. Fee charged.

E142 Horsemanship Western (1 cr.)
Beginning instruction in balance seat (hands, seat, feet, and leg position). Proper method to groom, saddle, bridle, mount, and dismount correctly. Acquire the knowledge of the proper balance position for western riding. The horse and rider will be given the proper use of all natural aids. Fee charged.

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.

E149 Judo (1 cr.)
Beginning instruction in techniques for throwing, grappling skills, 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.

E151 Self-Defense (1 cr.) Instruction in techniques for practical self-defense skills and situations. No uniform required.

E152 Lacrosse (1 cr.) Instruction in basic skills of throwing, catching, cradling, stacking, handling, loose ball pick-up, checking, and goal play. Emphasis on team offensive and defensive strategies and rules.

E155 Modern Dance (1 cr.) Beginning instruction in modern dance technique, stressing knowledge and application of movement principles essential to dance training.

E159 Racquetball (1 cr.) Instruction in basic skills for beginning players. Includes both four-wall singles and doubles games.

E161 Riflery (1 cr.) Instruction in firearm safety and rifle marksmanship. Emphasis on skill development in safe and efficient use of smallbore target rifles. Students may qualify for collegiate marksmanship ratings. Fee charged.

E163 Rugby (1 cr.) Instruction for beginning player in basic skills of kicking, catching, picking up ball, and tackling. Emphasis on team offensive and defensive strategies and rules.

E164 Sailing (1 cr.) Beginning instruction in the principles of sailing. Rigging, proper sailing technique, and other features of small craft sailing will be discussed. Only S-F grades given.

E165 Soccer (1 cr.) Instruction in fundamental techniques, rules, basic team tactics, and strategies. Emphasis on competitive game scrimmages and fundamental drills.

E167 Squash Racquets (1 cr.) Instruction in basic skills and game rules. Emphasis on both four-wall singles and doubles games.

E168 Swimming—Non-Swimmers (1 cr.) Beginning instruction in self-rescue remedial swimming skills, and several basic strokes. For the student with no swimming skills.

E179 Team Handball (1 cr.) Instruction in fundamental skills of passing, bouncing, footwork, throwing, and handling the ball. Emphasis on tactical instructions, fair play, and playing rules. An Olympic sport relatively new to the United States.

E181 Tennis (1 cr.) Beginning instruction in the fundamental skills of forehand and backhand strokes and serves. Competitive play in women’s, men’s, and mixed doubles.

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 qualifications. Fee charged.

E185 Volleyball (1 cr.) Instruction in fundamental skills of power volleyball. Emphasis on overhand serve, bump, set, dig, and spike. Team offensive and defensive strategies included.

E186 Wall Volleyball (1 cr.) Instruction in fundamental skills of wall volleyball. Emphasis on serve, set (with and without wall), bump, dig, and spike. Team offensive and defensive strategies included.

E187 Weight Training (1 cr.) Instruction in basic principles and techniques of conditioning through use of free weights. Emphasis on personalized conditioning programs.

E189 Wrestling (1 cr.) Instruction in basic moves of takedown, escape rides, reversal, and pinning combinations. Class instruction appropriate for beginning and intermediate level wrestlers.

E195 Skiing—Nordic-Cross Country (1 cr.) Instruction will include care and use of equipment, safety, proper clothing, and demonstrations on moving forward and backwards, turning around, stopping, and tips on climbing uphill and skiing downhill.

E196 Skiing—Alpine-Downhill (1 cr.) Graduated Length Method—GLM: learn and practice modern parallel skiing method through utilization of short skis in graduated lengths—starting from very short skis and progressing to standard length skis. Only S-F grades given.

E205 Badminton—Intermediate (1 cr.) Instruction in net strokes, cut drops, smash, around the head drives and flock, drive and backhand serves. Emphasis on advanced singles strategies and rotation doubles play.

E217 Bowling—Intermediate (1 cr.) Emphasis on improving hook ball delivery and an understanding of angles needed for spare bowling. Interclass competition with and without handicaps. Fee charged.

E233 Fitness and Jogging I (1 cr.) P: Aerobics Level III. A continuation of Fitness and Jogging I, E133. Course designed to take student from aerobics level III up to level V.

E235 Golf—Intermediate (1 cr.) Instruction in the use of the full iron and wood swing. Emphasis on special golf shots, including: sand shots, shots from rough, hill lies,
playing from hazards and different type greens. Students play on par 3 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.

E241 Horsemanship Hunt—Intermediate (1 cr.) P: E141 or permission of instructor. Intermediate instruction in balance seat. Instruction in assuming the correct position, permitting comfort and security for both horse and rider. The use of aids for control of the mount is also stressed. The mount and rider will be instructed in cavalletti and jumps. Fee charged.

E242 Horsemanship Western—Intermediate (1 cr.) P: E142 or permission of instructor. Intermediate instruction in balance seat. Instruction in assuming the correct position on the horse, permitting comfort and security for both horse and rider. Instruction will be given in the use of natural and artificial aids. Fee charged.

E249 Judo—Intermediate (1 cr.) P: yellow belt technical level or permission of instructor. Instruction includes intermediate throwing and grappling techniques and free exercise (randori). Students should achieve technical skill level of green belt. Judo uniform required.

E250 Karate—Intermediate (1 cr.) P: yellow belt technical level or permission of instructor. Instruction in advanced applications of basic techniques and free fighting. Students should achieve technical level of green belt. Karate uniform required.

E255 Modern Dance—Intermediate (1 cr.) P: E155 or permission of instructor. Intermediate modern dance technique, stressing knowledge and application of movement principles essential to dance training.

E257 Modern Dance for Theatre and Drama Majors (1 cr.) An introduction to basic principles of body alignment, centering, and movement specifically designed for the actor. Techniques for integrating voice and movement are explored. Open only to theatre and drama majors.

E268 Swimming—Intermediate (1 cr.)
Instruction designed to help the less-skilled swimmer master the five basic strokes, be proficient in self-rescue and basic rescue skills.

E269 Swimming—High Intermediate (1 cr.)
Instruction for the intermediate swimmer who needs improvement in strokes and desires swimming endurance.

E270 Scuba (1 cr.)
Introduction to scuba diving. Emphasis on safety and avoidance of potential dangers. A non-certification course.

E271 Swimming—Synchronized (1 cr.) P: intermediate swimming skills. Instruction in basic strokes, sculls, and beginning stunts. Emphasis on creative composition.

E273 Swimming Synchronized—Intermediate (1 cr.) P: E271 or permission of instructor. Instruction in intermediate strokes, sculls, and stunts. Culminated by creative performance.

E275 Aquatic Conditioning (1 cr.)
Course designed for highly skilled swimmer interested in training methods that may be used by noncompetitive swimmers.

E276 Water Polo (1 cr.)
Course designed for highly skilled swimmer interested in learning complex aquatic skills while developing endurance. Emphasis on rules and strategies of water polo and other water games.

E281 Tennis—Intermediate (1 cr.)
Instruction in spin service, volley, lob, and advanced drive placement. Emphasis on singles and doubles playing strategies.

E333 Fitness and Jogging III (1 cr.) P: E233 or level V of aerobics or capable of running 2 miles in 12 minutes. A continuation of Fitness and Jogging II, E233. Course designed for those students interested in preparing for marathon running.

E335 Golf—Advanced (1 cr.) P: permission of instructor or USGA 18-handicap of 18 or less. Individual instruction in error analysis and correction for all golf strokes. Instruction in playing strategies on the course, rules for competitive stroke play, and club selection for special shots. Fee charged.

E341 Horsemanship Hunt—Advanced (1 cr.) P: E241 or permission of instructor. Advanced instruction in balance seat. Etiquette of riding is stressed. Rider learns to assume position that gives balance from takeoff through landing. Use of all natural aids as they are needed to communicate with mount. Jumps not to exceed hunter height. Fee charged.

E342 Horsemanship: Western—Advanced (1 cr.) P: E242 or permission of instructor. Advanced instruction in balance seat. Etiquette of western riding is stressed. Assuming a position that provides balance through all gait is learned. Use of all aids as they are needed to communicate with the mount. Control of mount during all exercises is crucial. Fee charged.

E344 Horsemanship: Showmanship I (1 cr.) P: permission of instructor required. Must be
taken concurrently with E345. Instruction in proper method to groom, clip, braid, saddle, bridle, mount, and dismount. Proper attitudes toward safety both astride and off the horse are emphasized along with care and respect for the horse and tack. Fee charged.

E345 Horsemanship: Showmanship II (1 cr.) P: permission of instructor is required. Must be taken concurrently with E344. A continuation of E344 including use of all natural and artificial aids permitting proper handling of the mount. Etiquette of riding is stressed as well as control of the mount at all times on the hunt course. Fee charged.

E355 Modern Dance I Advanced (1 cr.) P: E255 or permission of instructor. Advanced techniques in modern dance with emphasis on performance of movement patterns and individual creative work.

E356 Modern Dance II Advanced (1 cr.) P: E355. Course may be repeated. Continuation of advanced techniques in modern dance with emphasis on performance of movement patterns and individual creative work.

E370 Scuba Certification (1 cr.) P: E270 or permission of instructor. Course is designed to take the student from the introductory level (E270) through the open water lectures, test, and dives to open water certification. Fee charged. Only S-F grades given.

E371 Advanced Scuba (1 cr.) P: E370 or national scuba certification. Course provides students with practical knowledge in advanced scuba. Topics include natural and compass 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.

E443 Stable Management I (1 cr.) Instruction includes techniques and knowledge for managing stables, riding schools, breeding farms, or raising horses for personal use. Must be taken concurrently with E444, Stable Management II.

E444 Stable Management II (1 cr.) A continuation of E443; instruction includes management and public relations, organizing and sponsoring horse shows, and physical and psychological behavior of horses. Must be taken concurrently with E444, Stable Management I.

E470 Advanced Scuba Theory (2 cr.) This course concentrates on advanced aspects of diving physiology, especially decompression sickness with its known and theoretical problems. In addition, the use of recompression chambers and treatment procedures as well as dive tables for air and mixed gasses will be included.

E471 Underwater Exploration (1 cr.) P: E370 or national scuba certification. Theory and evolution of underwater exploration. Topics include historical wreck sites of the Great Lakes, Coastal America, and Caribbean with emphasis on classification, preservation, and legislation concerning these non-renewable resources. Optional field exercise available with permission of instructor.

E477 Water Safety Instructor (1 cr.) P: current ANRC Advanced Life Saving Certificate. Courses prescribed by the American Red Cross. Satisfactory completion of the requirements qualifies the student to teach swimming through the Advanced Life Saving Level and Part I of American Red Cross Water Safety program.

E478 Instructor’s Course: Swimming for the Handicapped (1 cr.) P: current ANRC Water Safety Instructor certification. Satisfactory completion of the requirement qualifies student to teach swimming for the handicapped.

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. Only S-F grades given.

R160 Recreation and Leisure (3 cr.) An introduction to the field of recreation and leisure from the viewpoint of the individual as a consumer and of societal agencies as providers of leisure services. Includes philosophy, history, theory, and a survey of public and private leisure-service organizations.

R266 Management of Park and Recreation Facilities (3 cr.) P: R160. Introduction to 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, community centers, artificial ice rinks, marinas, and beaches.

R271 Dynamics of Outdoor Recreation (3 cr.) P: R160. Philosophical orientation to the field of outdoor recreation: camping, outdoor 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. Identification and evaluation of equipment, supplies and leadership techniques are included.

R275 Dynamics of Camp Leadership (2 cr.) Investigation of the skills, resources, knowledge, and values of the organized camp movement. Camper behavior and development, leadership techniques, program skills, and health and safety are central topics.

R277 Introduction to Therapeutic Recreation (3 cr.) P: R160. Theoretical, philosophical, and historic foundation of therapeutic recreation; role of the treatment and rehabilitation with a survey of major services and settings.

R279 Camping and Outdoor Recreation Leadership (3 cr.) Examines the role of the leader in camping and outdoor recreation settings. Focuses on counseling and leadership techniques, with direct involvement in outdoor recreation experience.

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.

R324 Recreational Sports Programming (3 cr.) Overview of programmatic elements and techniques in recreational sports. Topics include informal, intramural, club, and extramural programming; values of recreational sports, programming techniques, publicity and promotion, faculty utilization, equipment, safety, liability, and program observation.

R331 Leisure Education (3 cr.) Examination of a process through which individuals develop an understanding of leisure and its relationship to life styles and the fabric of society.

R333 Camping for Special Populations (3 cr.) Understanding the nature and function of organized camping involving handicapped persons. Emphasis is upon camp staff positions, camp operations, and the camp’s role in rehabilitation.

R336 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.

R337 Computer Applications in Parks and Recreation (3 cr.) An introduction to uses of computers in park and recreation services.

Terminology, BASIC language, retrieval and reference systems, and management applications. Emphasis is on mini-computers.

R338 Recreation Resource Management (3 cr.) An understanding of the ecological concepts, practices, and resource policies of parks and recreation services. Focus upon allocations, carrying capacity, preservation and environmental impact, dispersed and intensive recreation use.

R340 Leisure in Modern Society (3 cr.) P: R160-R272. Encourages a holistic and comprehensive understanding of the significance of leisure to the individual and society. Exposes students to the relationship between leisure and other disciplines such as psychology, sociology, health, economics, political science, and education.

R367 Leisure Program Development (3 cr.) P: R272. Learning and applying the recreation program process for leisure delivery systems. Interest and needs, assessment tools, and developmental stages of people in relation to recreation activity are major units of the course.

R372 Interpretive Resources and Techniques (3 cr.) P: R271. Refinement of leadership competencies and techniques in interpreting natural and cultural resources required of conservationists, teachers, and other leaders responsible for such interpretation.

R378 Techniques in Therapeutic Recreation (3 cr.) P: R277. Emphasis on leadership and intervention techniques with methods of assessment of client needs, activity analysis, and therapeutic use of recreation activity.

R399 Practicum in Parks and Recreation (cr. arr.) Practical field experience under faculty supervision and with seminar discussions. Only 5-F grades given.

R466 Management of Leisure Services (3 cr.) P: R367. An introduction to managing personnel and administering leisure services, including legal foundations, finance and budgeting, personnel management, and public relations.

R468 Planning Park and Recreation Facilities (3 cr.) P: R272 or permission of instructor. Analysis of the park planning process including surveys, data compilation, site design, and master planning. Emphasis is upon practical design procedures, including considerations for use by the handicapped.

R479 Problems in Therapeutic Recreation (3 cr.) P: R367. Working through the problems confronting the therapeutic recreator in the transition period between traditional medical practice and comprehensive health care for all people.
R490 Senior Seminar (2 cr.) P: R367. A culminating course encompassing current critical issues affecting park and recreation services. Analyzes the role of research, management practices, and professional involvement as each affects the leisure services movement.

R499 Research in Recreation (cr. arr.) Undergraduate independent research and study under the guidance of a faculty member.

R500 Philosophy of Leisure and Recreation (3 cr.) Exploration of philosophical foundations for recreation in a dynamic society; challenge of increased leisure and role of recreation in present and predicted environments.

R515 Special Concerns in Parks and Recreation (cr. arr.) Current issues in a variety 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 Administration of Recreation and Parks (3 cr.) Organization and administration of recreation on federal, state, local levels; legislative provisions, government control, financing, budget, personnel, departmental organization, administrative practices, especially on local level.

R521 Computer Systems in Recreation and Park Administration (3 cr.) Introduces students to computer uses in the recreation and park field. Emphasis is on skills and knowledge necessary to communicate with programmers and analysts about the administrator’s concerns.

R522 Economics and Marketing for Leisure 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. Designed for recreation majors with limited background in economics and marketing.

R530 Comprehensive Recreation Planning/Park Design (3 cr.) An interdisciplinary course developed by the Department of Recreation and Park Administration and the Landscape Architecture Department at Ball State University, utilizing the Indiana Higher Education Telecommunications System. Covers historical foundations, philosophical concepts, and procedures for community comprehensive recreation planning and park site design.

R531 Applied Techniques in Recreation Planning/Park Design (2 cr.) P: R530. An application of techniques and principles from HPER R530 in developing a comprehensive recreation plan and in evaluating a parksite design.

R535 Great Lakes Park Training Institute (1 cr.) Practicum training in the management of a continuing education institute for park and recreation administrators, supervisors, and technicians. Only S-F grades given.

R538 Integrative Seminar for Recreation Professionals (3 cr.) Comprehensive course using a case study approach to integrate study in functional areas such as administration, budgeting, programming, outdoor or therapeutic recreation techniques. Primary focus on organizational analysis, change, and problems of leadership, resource allocation, conflict management, and creativity.

R539 Master’s Project in Administration (1 cr.) Compilation of Masters’ projects that would integrate various elements of administration from required courses in the park and recreation administration option.

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 training of staff; camp site selection, and development; health and safety.

R542 Foundations of Outdoor/Environmental Education (3 cr.) Examination of the meaning, scope, and values of outdoor/environmental education. Emphasis placed on the historical and philosophical foundations of outdoor education. Evolvement of the outdoor education movement in American public education will be traced as well as recent significant trends and existing outdoor educational programs.

R543 Principles of Outdoor/Environmental Education (3 cr.) Course designed to bridge the gap between scientific orientation of many outdoor education programs, the curricular orientation of others, and the recreational/survival orientation of still others. An interdisciplinary approach will be adhered to and correlation of outdoor techniques to existent curricular or skill oriented programs will be stressed.

R560 Professional Development for Therapeutic Recreation (3 cr.) Contemporary
principles and understanding for the delivery of therapeutic recreational service to special populations. 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 preview 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.

R565 Recreation for Later Maturity (2 cr.) Investigation of psychological, sociological, and physical characteristics of aging populations; exploration of services for the aging, analysis of problems related to leisure and recreation.

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. Content will also include a study, through case analysis, of specific issues and concerns surrounding human behavior in the recreational sports environment.

R572 Seminar in Recreational Sports (2 cr.) This seminar focuses on the experiences which relate directly to the basic programmatic and administrative aspects of recreational sports. It is divided into two components: informal seminar sessions and a creative activity project.

R580 Administration of College Unions (3 cr.) Organization and administration of the college union as well as examination of its role in higher education.

R640 Independent Study and Research (cr. arr.) Independent research conducted under guidance of graduate faculty member.

R641 Readings in Recreation (cr. arr.) Guided readings for broadening information and understanding of the profession. Restricted to advanced master's and director's candidates.

R642 Internships in Recreation and Parks (2-8 cr.) Off-campus professional field experience in superior agencies under qualified supervision. Offered only after completion of course work for master's degree. Only S-F grades given.

R643 Practicum in Recreation and Parks (cr. arr.) Practical field experience under supervision and seminar discussions. Only S-F grades given.

R667 Seminar in Recreation (1-3 cr.)

R700 Professional Recreation Education (3 cr.) Investigation of concerns which relate to professional preparation in parks and recreation. For doctoral students or consent of instructor.

R701 Social Psychology of Leisure (3 cr.) P: R500 or consent of instructor. The purpose of this course is to gain an understanding of the application of social psychology to one important aspect of our lives—leisure behavior.

R702 Current Issues in Recreation (2 cr.) Seminar on current issues in parks and recreation. For advanced graduate students only.

R703 Inquiry Methodology in Leisure Behavior (3 cr.) An in-depth study of the realm of research in leisure behavior. Material is directed toward conceptual and methodological issues involved in problem formulation and application of appropriate designs.

R704 Doctoral Seminar: Leisure Behavior (3 cr.) A doctoral seminar in which issues in leisure behavior are examined in a systematic and comprehensive way. Leisure behavior is examined from a multi-disciplinary perspective. Students working in teams will conduct research on questions of leisure behavior.

R740 Advanced Research in Recreation (cr. arr.) In-depth research by directorate or doctoral candidate.

R741 Advanced Readings in Recreation (cr. arr.) Guided readings for broadening information and understanding of the profession.

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 will vary from semester to semester but will
be broad subjects which 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. An honors seminar which is 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 designed to facilitate 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 upon 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.) Trends in finance, budgetary procedures, management of funds, cost analysis, purchasing, and property control; leases and contractual agreements and other management 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.

T599 Master's Thesis in Health, Physical Education, or Recreation (cr. arr.)

T691 Correlational Techniques (3 cr.) P: HPER 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 Health, Physical Education, and Recreation (cr. arr.)

Education Courses

Education M363 Professional Field Work in Recreation (1-15 cr.)

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

Education M458 Methods of Teaching Health and Safety (3 cr.)

Education M480 Student Teaching in the High School (5 to 9 cr.)
Faculty of the School of Health, Physical Education, and Recreation, 1983-84

Emeritus
Andres, Ernest H., Jr., Assistant Professor Emeritus of Physical Education
Bookwalter, Karl W., Professor Emeritus of Physical Education
Brennan, William T., Associate Professor Emeritus of Health and Safety Education
Brogneaux, John P., Assistant Professor Emeritus of Physical Education, and Assistant Professor Emeritus of Education
Bucher, Clum C., Assistant Professor Emeritus of Physical Education
Carlson, Reynold E., Professor Emeritus of Recreation
Cooper, John M., Professor Emeritus of Physical Education
Daugherty, John B., Professor Emeritus of Physical Education
Davies, Evelyn A., Professor Emeritus of Physical Education
Eppley, Garrett G., Professor Emeritus of Recreation and Park Administration
Fox, Jane, Associate Professor Emeritus of Physical Education
Hester, Clara L., Professor Emeritus of Physical Education
Leyhe, Naomi L., Professor Emeritus of Physical Education
Loft, Bernard I., Professor Emeritus of Health and Safety Education
MacLean, Janet R., Professor Emeritus of Recreation and Park Administration
McAuley, Janet E., Associate Professor Emeritus of Physical Education
Ryser, Otto E., Professor Emeritus of Physical Education
Slater-Hammel, Arthur T., Professor Emeritus of Physical Education
Summers, D. Dean, Associate Professor Emeritus of Physical Education
Wakefield, Markham C., Associate Professor Emeritus of Physical Education

Faculty
Aldrich, Anita, Ed.D. (Pennsylvania State University, 1957), Professor of Physical Education; Professor of Education
Anderson, Stephen C., Ph.D. (University of Maryland, 1976), Associate Professor of Recreation and Park Administration
Austin, David R., Ph.D. (University of Illinois, 1973), Associate Professor of Recreation and Park Administration
Baer, Charles J., M.S. (Indiana University, 1963), Assistant Director/Business Manager, Hazard Control Program, and Assistant Professor of Health and Safety Education
Bailey, William James, M.P.H. (Indiana University, 1979), Research Associate and Coordinator of Risk Reduction Program, and Lecturer Part-time in Health and Safety Education
Barham, Thomas E., M.S. (Indiana University, 1980), Coordinator of Outdoor Education Programs, and Lecturer Part-time in Recreation and Park Administration
Bayless, Kathryn George, M.S. (Indiana University, 1974), Associate Director of Club and Informal Sports, and Lecturer Part-time in Recreation and Park Administration
Belisle, James J., P.E.D. (Indiana University, 1960), Associate Dean for Administration and Undergraduate Studies of the School of Health, Physical Education, and Recreation, and Associate Professor of Physical Education
Bell, Sam, B.S. (University of Oregon, 1957), Head Track Coach, and Assistant Professor of Physical Education
Billingley, Hobart S., M.S. (University of Washington, 1953), Assistant Swimming Coach, and Associate Professor of Physical Education
Blubaugh, Douglas M., B.S. (Oklahoma State University, 1962), Head Wrestling Coach, and Assistant Professor of Physical Education
Bopp, Mary, M.S. (Indiana University, 1973), Assistant Professor of Physical Education
Brown, James R., Ed.D. (Indiana University, 1973), Assistant Professor of Physical Education
Bruce, Ben F., Jr., M.S. (Indiana University, 1949), Associate Professor of Physical Education
Burns, Donald J., M.S. (Indiana University, 1972), Associate Professor of Physical Education
Burrus, Sandra K., Ph.D. (The University of Michigan, 1974), Associate Professor of Physical Education
Carlson, Ronald P., P.E.D. (Indiana University, 1971), Associate Professor of Physical Education, and Associate Professor of Education
Chenery, Mary Faeth, Ph.D. (North Carolina State University, 1979), Assistant Professor of Recreation and Park Administration
Clarke, David H., Ph.D. (University of Oregon, 1959), Professor of Physical Education
Coates, Jeffrey L., M.S. (University of South Carolina, 1981), Assistant Director of Lifetime Sports
Corrandini, Ronald H., M.Ed. (Miami University, 1963), Assistant Football Coach, and Instructor of Physical Education
Counselman, James E., Ph.D. (University of Iowa, 1951), Swimming Coach, and Professor of Physical Education
Cousins, George F., P.E.D. (Indiana University, 1951), Professor of Physical Education
Crews, James S., B.S. (Indiana University, 1976), Assistant Basketball Coach, and Lecturer in Physical Education
Crowe, James W., Ed.D. (Indiana University, 1979), Associate Professor of Health and Safety Education
Cummins, Margaret Adaline, M.S. (Smith College, 1968), Counselor, and Instructor Part-time of Physical Education
Cunningham, Peter H., M.A. (Murray State University, Ky., 1977), Manager, Indiana Park and Recreation Association
Dapena, Jesús, Ph.D. (University of Iowa, 1979), Associate Professor of Physical Education
Deppe, Theodore R., Re.D. (Indiana University, 1953), Chairperson of Recreation and Park Administration, and Professor of Recreation and Park Administration
Doty, John Michael, Ph.D. (University of Michigan, 1972), Hazard Control Specialist, and Assistant Professor Part-time of Health and Safety Education
Dummer, Gail M., Ph.D. (University of California, Berkeley, 1978), Associate Professor of Physical Education
Endwright, John R., M.S. (Indiana University, 1947), Professor of Physical Education
Engs, Ruth L.C., Ed.D. (University of Tennessee, 1973), Associate Professor of Health and Safety Education
Fitch, Robert E., P.E.D. (Indiana University, 1954), Golf Coach, and Manager of the Golf Course, and Assistant Professor of Physical Education
Fox, Lucinda Gant, M.S. (Northern Illinois University, 1973), Lecturer in Physical Education
Gallahue, David L., Ed.D. (Temple University, 1970), Assistant Dean for Research and Development of the School of Health, Physical Education, and Recreation, and Professor of Physical Education
Gari, Tim C., M.A. (University of Mississippi, 1979), Athletic Trainer, and Instructor Part-time of Physical Education
Goode, L. Candace, M.S. (North Carolina State University, 1979), Visiting Lecturer in Recreation and Park Administration
Greer, H. Scott, Ed.D. (Columbia University, 1969), Associate Professor of Physical Education
Hailey, Robert C., M.S. (University of Southern Mississippi, 1982), Coordinator, Intramural Team Sports
Hamilton, Edward J., M.A. (University of Maryland, 1978), Assistant Director of Bradford Woods, and Lecturer Part-time of Recreation and Park Administration
Hamm, Gwendolyn Ann, M.S. (Indiana University, 1972), Associate Professor of Physical Education
Hannam, Susan Elizabeth, M.S. (Indiana University, 1979), Athletic Trainer and Instructor Part-time in Physical Education
Haven, Betty H., P.E.D. (Indiana University, 1977), Assistant Professor Part-time of Physical Education
Henson, Philip L., Ph.D. (Indiana University, 1976), Assistant Track Coach, and Assistant Professor Part-time of Physical Education
Hicks, Robert B., M.A. (George Peabody College for Teachers, 1954), Director for Program Services, and Instructor of Physical Education
Hope, S. Margaret, M.S. (Indiana University, 1957), Assistant Professor of Physical Education
Howard, G. Daniel, H.S.D. (Indiana University, 1976), Associate Professor of Health and Safety Education, and Director of Hazard Control
Jastrembski, Chester A., M.D. (Indiana University, 1968), Research Associate in Physical Education
Johnson, Norma Jean, Ph.D. (University of Iowa, 1968), Associate Professor of Physical Education
Kamen, Gary, Ph.D. (University of Massachusetts, 1979), Assistant Professor of Physical Education
Knight, Robert M., B.S. (Ohio State University, 1962), Head Basketball Coach, and Professor of Physical Education
Lawrence, Robert E., M.S. (Indiana University, 1968), Instructor of Physical Education
Lawson, Richard W., Re.D. (Indiana University, 1970), Associate Professor of Recreation and Park Administration
Leeds, Eileen Marie, M.S. (Indiana University, 1975), Visiting Lecturer in Physical Education
Lucas, John M., B.M. (Indiana University, 1963), Instructor in Physical Education
Ludwig, Donald J., H.S.D. (Indiana University, 1953), Professor of Health and Safety Education
Martin, W. Donald, Ph.D. (Michigan State University, 1972), Associate Professor of Recreation and Park Administration
Mauro, Harold, Jr., M.S. (Indiana University, 1970), Assistant Football Coach, and Instructor of Physical Education
Merolla, Robert S., M.P.H. (University of North Carolina, 1966), Assistant Professor of Health and Safety Education
Meyer, Martin W., Ed.D. (New York University, 1955), Adjunct Associate Professor of Recreation and Park Administration
Miller, John M., M.D. (University of Iowa, 1953), University Physician, and Professor of Physical Education
Mindheim, Arthur D., P.E. Dir. (Indiana University, 1979), Assistant Professor of Physical Education
Mobley, 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 of Physical Education, and Professor of Physical Education
Muehling, James E., M.Ed. (University of Illinois, 1976), Assistant Football Coach, and Instructor of Physical Education
Mull, Richard F., M.S. (West Virginia University, 1968), Director of Recreational Sports, and Assistant Professor of Physical Education
Newberg, Sam, H.S. Dir. (Indiana University, 1952), Assistant Professor of Physical Education
Noble, Linda J., B.S. (Indiana University, 1969), Physical Therapist, and Lecturer in Physical Education
Peterson, James A., M.S. (Indiana University, 1951), Professor of Recreation and Park Administration, and Specialist in Parks and Recreation, Indiana-Purdue Universities
Piercy, Robert J., Ed.D. (Indiana University, 1974), Assistant Professor Part-time of Health and Safety Education, and Assistant Director, Hazard Control Program
Pigg, R. Morgan, Jr., H.S.D. (Indiana University, 1974), Associate Professor of Health and Safety Education
Ragan, L. Franklin, M.S. (North Carolina State University, 1976), Adjunct Lecturer in Recreation and Park Administration
Remley, Mary L., Ph.D. (University of Southern California, 1970), Associate Professor of Physical Education
Rillo, Thomas J., Ph.D. (Southern Illinois University, 1964), Professor of Recreation and Park Administration
Robb, Gary M., M.S. (University of Utah, 1968), Director of Bradford Woods, and Assistant Professor Part-time of Recreation and Park Administration
Ross, Craig M., Re.D. (Indiana University, 1980), Associate Director, Intramural Team Sports, and Assistant Professor Part-time of Recreation and Park Administration
Ross, John M., M.S. (Indiana University, 1963), Assistant to the Chairperson of Recreation and Park Administration, and Assistant Professor Part-time of Recreation and Park Administration
Russell, Ruth V., M.S. (Pennsylvania State University, 1973), Lecturer in Recreation and Park Administration
Schrader, John W., M.A. (University of Washington, 1975), Head Athletic Trainer for Intercollegiate Athletics, and Assistant Professor Part-time of Physical Education
Schulz, Diane, M.S. (Western Illinois University, 1973), Women’s Intercollegiate Gymnastics Coach, and Lecturer Part-time in Physical Education
Seffrin, John R., Ph.D. (Purdue University, 1970), Chairperson, and Professor of Health and Safety Education
Shands, Ray C., B.S. (Tulsa University, 1964), Assistant Football Coach, and Instructor in Physical Education
Sharpless, Daniel R., Re.Dir. (Indiana University, 1970), Lecturer Part-time of Recreation and Park Administration, and Director of Leisure Research Institute.
Shelton, Clarence, B.S. (University of Houston, 1977), Assistant Football Coach, and Instructor of Physical Education
Sherwin, Hilda A., M.Ed. (Women’s College of the University of North Carolina, 1953), Assistant Professor of Physical Education
Smith, Kohn, B.S. (Southern Utah State, 1974), Assistant Coach, Basketball, Part-time and Lecturer Part-time in Physical Education
Snygg, Fran, M.F.A. (New York University, School of Arts, 1971), Associate Professor of Physical Education
Strong, Clinton H., Ph.D. (University of Iowa, 1961), Coordinator of Continuing Education, and Professor of Physical Education
Surburg, Paul R., Ph.D. (University of Iowa, 1972), Associate Professor of Physical Education
Todaro, R. Elaine, M.A. (The Ohio State University, 1981), Coordinator, Informal Sports
Updyke, Wynn, F., Ph.D. (Michigan State University, 1962), Associate Dean for Graduate
Studies of the School of Health, Physical
Education, and Recreation, and Professor of
Physical Education
Watson, Louis C., M.S. (Indiana University, 1952), Special Assistant to the Director of
Athletics, and Associate Professor of Physical Education
Wilkerson, James E., Ph.D. (University of Oregon, 1970), Associate Professor of Physical Education
Yeagley, Jerad L., M.Ed. (University of Pittsburgh, 1963), Head Soccer Coach, and
Assistant Professor of Physical Education
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. The University attracts students from all 50 states and around the world. The full-time faculty numbers over 3,000 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 of the state-supported universities. It serves over 70,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the University system. Regional 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.

The Bloomington Campus

The environment and facilities of the Bloomington campus make it a dynamic place to live and study. Over 30,000 students pursue undergraduate and graduate degrees at Bloomington.

The academic resources of the campus provide both opportunity and challenge. The University Library ranks in the top ten academic libraries in the United States and the Lilly Library is internationally known for its collection of rare books and manuscripts. The libraries support the work of faculties in areas such as the humanities, foreign languages, and the social sciences who are renowned for their scholarship and research. Laboratories in departments such as biology, chemistry, and physics are engaged in work at the frontiers of knowledge. Particularly notable is the 200 million volt variable particle cyclotron, which attracts scientists from around the world. The Schools of Business and Public and Environmental Affairs enjoy high prestige with business and government leaders. Programs of distinction are offered in the Schools of Law and Optometry, the School of Library and Information Science, and the School of Health, Physical Education, and Recreation. The School of Music is ranked first among all such schools in the nation and the School of Education ranks third. An extraordinary variety of lectures and seminars complement classroom and laboratory inquiry. The University Theatre, the Art Museum, and the large Musical Arts Center serve as major resources for the University’s programs in the performing and fine arts.

Housing is provided on the Bloomington campus in residence halls, sororities, and fraternities. For married students and their families the University offers apartments and trailers. Students also rent off-campus housing in Bloomington.

The Bloomington campus provides many services for its students. The University Division gives special support and counseling to incoming freshmen, helping them to plan and carry through a sound academic program. The Student Health Center, the Career and Placement Support Services, and job placement services, Student Legal Services, the Psychological Clinic, the Optometry Clinic, and services for the handicapped, minority students, women, and veterans are described in the student handbook, which is available from the Dean of Students office.

Indiana University Bloomington is a member of the Big Ten Conference. Men’s and women’s varsity teams participate in 13 sports. A large intramural sports program provides recreation for all students. Tennis and squash courts, swimming pools, sports fields, running tracks, basketball courts, and an 18-hole golf course are available for individual use. Within a few miles of Bloomington are several thousand acres of state forest, wilderness trails, and lakes for swimming, boating, and fishing.
The Indianapolis Campus

Indiana University-Purdue University at Indianapolis is an innovative urban campus. IU and Purdue programs and facilities merged at Indianapolis in 1969, and the campus continues to grow in both the range of academic offerings and the physical facilities. IUPUI also operates a branch campus at Columbus, Indiana.

The IUPUI library system consists of seven libraries serving the special interests of individual schools. In addition, the entire Indiana University system library is readily available through the interlibrary loan system.

Significant research in the medical sciences is carried out in ten specialized centers within the medical school. Research projects are conducted in numerous other fields, some in cooperation with city and government and private industry.

Schools at IUPUI are deeply involved in service to citizens, working closely with public and private agencies, government, business, and industry in providing expertise to solve problems. Such service projects enable students to enrich their education with practical experience.

Lectures, theatre presentations, and other special events are available on campus, and the city provides many facilities for the arts, sports, and entertainment. IUPUI is a member of the National Association of Intercollegiate Athletics and the National Collegiate Athletics Association. Men’s and women’s varsity teams participate in six sports, and an intramural sports program offers recreation for all students.

IUPUI provides on-campus housing for a limited number of students. The Housing Office maintains a list of apartments available off campus in the Indianapolis area.

Services for students are described in the student handbook, available from the Dean for Student Services. They include special services for the handicapped, veterans, women, and foreign students; a day care center; personal counseling; career counseling and job placement; financial aid; and the Student/Employee Health Center.

Policies of the University

Nondiscrimination policy  Indiana University provides its services without regard to sex, age, race, religion, ethnic origin, veteran status, or handicap. An Affirmative Action Office on each campus monitors the University’s policies and assists individuals who have questions or problems related to discrimination.

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  Rights and responsibilities of students are included in the Student Handbook and provide for 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 their respective administrative representative). Disposition at each level is final.

Residency Status

Prospective students from out of state should be aware that the criteria for establishing in-state residency and thus qualifying for in-state fee rates are very strict. Except under specific circumstances, persons who have moved to Indiana for the primary purpose of attending a college, university, or other institution of higher education will not be able to qualify for in-state fees during their academic career. Rules for determining residency are listed at the end of this section.
## Fees

Credit hour fees listed here were approved at the April 1984 meeting of the Trustees of Indiana University. Credit Hour and special fees are subject to change by action of the Trustees. See the campus Schedule of Classes for the most recent fees.

<table>
<thead>
<tr>
<th>BLOOMINGTON CAMPUS</th>
<th>Indiana resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate¹</td>
<td>$50.50/credit hour</td>
<td>$142.50/credit hour</td>
</tr>
<tr>
<td>Graduate¹</td>
<td>$65.75/credit hour</td>
<td>$180.25/credit hour</td>
</tr>
<tr>
<td>Professional:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>School of Law</td>
<td>$65.75/credit hour</td>
<td>$180.25/credit hour</td>
</tr>
<tr>
<td>School of Optometry</td>
<td>$65.75/credit hour</td>
<td>$180.25/credit hour</td>
</tr>
<tr>
<td>Medical (combined degree)</td>
<td>$65.75/credit hour</td>
<td>$180.25/credit hour</td>
</tr>
<tr>
<td>Medical (flat fee)</td>
<td>$1800/semester</td>
<td>$4250/semester</td>
</tr>
<tr>
<td>Thesis enrollment</td>
<td>$65.75/semester</td>
<td>$180.25/semester</td>
</tr>
<tr>
<td>Auditing (no credit)</td>
<td></td>
<td>applicable credit hour rate</td>
</tr>
</tbody>
</table>

### Special fees (in addition to basic fees)

| Application for admission | | $20 |
| United States             | | $20 |
| Foreign                   | | $30 |
| Student Activity Fee²     | | $4 or $8.25/semester |
| Applied music (majors)³   | | $80/semester |
| Applied music (nonmajors)³| | $80/course |
| Education early experience⁴| | $19/course |
| Education placement service| | $8 |
| Business placement service| | $20 |
| Education practicum¹      | | $36/course |
| Education student teaching⁶| | $70/course |

¹ Includes Continuing Studies credit courses.
² Students enrolled in 4 or more credit hours during the semester will be assessed a mandatory fee of $8.25. Students enrolled in 3 or fewer credit hours during the semester will be assessed a mandatory fee of $4. Students enrolled in 4 or more credit hours per summer session will be assessed a mandatory fee of $4. Students enrolled in 3 or fewer credit hours per summer session will be assessed a mandatory fee of $2.
³ Persons desiring applied music who are not regularly working toward a degree will be charged $300 per applied music course.
⁴ Students enrolled in any of the following Education courses will be assessed a $19 fee per course:
   - Elementary Licenses
     - Early Childhood: P249, E339, E335, E337, E338
     - Kindergarten/Primary: P249, E339, E325, E341, E343
     - Elementary: P251, E339, E325, E341, E343
     - Junior High/Middle School: P252, M312, M461
     - Secondary: P253, M313 or M130, M462
     - All Grades: P254, M313 or M130 or M336, and M462
   - Special Education: E339, K380, E343
   - Special Endorsements:
     - Kindergarten: E337
     - Junior/Middle: M461
     - Bilingual/bicultural: L441
     - Ethnic/cultural: T410
     - Coaching: HPER P450
     - Special Education: K380
     - Family Life: HMEC H453
     - Driver & Traffic Safety Ed: HPER S456
     - Reading: X400
⁵ Students enrolled in EDUC M470 Practicum and/or EDUA M550 Practicum (variable title courses) will be assessed a $36 fee per course per semester. The practicum fee of $36 is also assessed for the following courses: CS47, CS47, CS47, K493, P310, P311, P410, P411, P518, P519, P591, P592, P595, P596, P691, P692, P694, P694, R473, X425, V580, V680.
⁶ Students enrolled in Education courses M423, M424, M425, M451, M480, M482, M486, M363, and/or K488 will be assessed $70 per course per semester.
Late enrollment or re-enrollment\textsuperscript{7} \quad \text{(see footnote)}
Late program change\textsuperscript{8} \quad $10/course
Deferred billing charge\textsuperscript{9} \quad $15
Special exam \quad $5 to $17
Telecommunications Studio\textsuperscript{10} \quad $80/course
Laboratory\textsuperscript{11} \quad $16/course
Recital fee (Music)\textsuperscript{12} \quad $20 to $50
Health Service fee (optional)\textsuperscript{13} \quad $25 or $31/semester
Nursing clinical \quad $7.50/contact hour
HPER courses: billiards, bowling, golf, and horsemanship
Microscope fee (Medical Science courses only)
Deposits (to cover loss or damage):
- Band \quad $10
- Singing Hoosiers \quad $10
- Chemistry (for C343, C344, S343, and S344 courses only) \quad $25
- Lockers (Ballantine, Law, Music, and Woodburn buildings)
Rentals
- Locker, HPER building \quad $7/semester
- Locker, Business School \quad $6 for combined summer sessions
- Locker, SPEA \quad $12/12 months
Music instrument
- Practice room (limit to 1 hour per day) \quad $7/semester
- (above practice room rental not charged if applied music fee is paid)
Independent Study (Correspondence)
Undergraduate courses
- (residents and nonresidents) \quad $39.75/credit hour
- High school level courses \quad $37/half unit course

\textsuperscript{7} A late registration fee is assessed to all students registering for classes after the scheduled registration periods for continuing and new students. In Bloomington, this fee is $30 for nonregistered students who register on the last Friday before classes begin and will increase by $10 on Monday of each successive week thereafter to a maximum of $60.
\textsuperscript{8} A fee of $10 for each course will be assessed after the scheduled Drop and Add week, including a course added during an even exchange or a net drop in credit hours, section change, credit hours changed, or credit audit change.
\textsuperscript{9} Charge due on date unpaid balance is due for students who defer up to half on current semester charges.
\textsuperscript{10} Students enrolled in Telecommunications courses R208, R309, R407, R408, and/or R409 will be assessed $80 per course.
\textsuperscript{11} Students, except at IUPUI, who are enrolled in the following laboratory courses will be assessed a laboratory fee of $16 per course per semester:
  - Biology: L100, L105, Q201, B205, M315, Z316, B369, & Z450
  - Business: K201, K362
  - Chemistry: C121, C122, C125, C126, C343, & C344
  - Medical Science: A215 and P215
  - Physics: T100, T101, P201, P202, P221, & P222
\textsuperscript{12} Recital fee in music for one-page program is $20, for two-page program $30. The fee for recording the recital is an additional $20.
\textsuperscript{13} Students enrolled in 7 or more credit hours per semester will be assessed $23 for an optional co-op fee. Students enrolled in 6 or less credit hours per semester and student spouses will be assessed an additional $8 per semester. Summer session fees are as listed per session.
Special Credit and Credit by Examination: Regular credit hour fees apply, except the fee is waived for University Division freshmen during the first two regular semesters following their matriculation at Indiana University, and is reduced to $10 per credit hour for undergraduate transfer students during the first regular semester following their matriculation at Indiana University.

Transcripts $3

INDIANAPOLIS CAMPUS
Undergraduate $46.50/credit hour $123.50/credit hour
Graduate and professional $65.75/credit hour $180.25/credit hour
Medical (flat fee) $1800/semester $4250/semester
Dentistry (flat fee) $1700/semester $3600/semester
Thesis enrollment $65.75/semester $180.25/semester
Auditing (no credit) applicable credit hour rate

Special fees (in addition to basic fees)
Application for admission $20
Foreign $30
Laboratory $7/contact hour
Nursing clinical $7.50/contact hour
Late program change$ $10/course
Activity $2.50/semester
Late enrollment or re-enrollment$ $15-$45
Deferred fee service charge $10
Locker rental fee $7/semester
$6/summer
HELP Programs$ $25 to $120/course

Fee Refund Schedule

Time of Withdrawal Refund
9 through 16 week sessions
During 1st week of classes or 100%
through Drop/Add Day
During 2nd week of classes 75%
During 3rd week of classes 50%
During 4th week of classes 25%
During 5th week of classes
and thereafter None
2 through 4 week sessions
During the 1st and 2nd day or
through Drop/Add Day 100%
During 3rd and 4th day of classes 50%
During 5th day of classes and thereafter None

Less than 2 week sessions
During 1st day of classes 100%
During 2nd day of classes 50%
During 3rd day of classes
and thereafter None

5 through 8 week sessions
During 1st week of classes or 100%
through Drop/Add Day
During 2nd week of classes 50%
During 3rd week of classes
and thereafter None

The refund policy applies to credit hour fees and all course-related mandatory fees, wherein the student is required to pay a specific fee.

Procedure Students must apply to the Office of the Registrar and the Office of the Bursar when they withdraw from classes.

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$ A fee of $10 for each course will be assessed after the scheduled Drop and Add week, including a course added during an even exchange or a net drop in credit hours, section change, credit hours changed, or credit audit change.

12 At Indianapolis, a $15 late fee will be in effect upon conclusion of registration through the end of the third week of classes. Late registration after the third week of classes will be assessed according to the following graduated schedule: Week in which the registration is processed: Week 4—$25 Week 5—$35 Week 6—$45. No registrations will be accepted after the sixth week of classes without the approval of the Dean of Faculties.

13 Courses X011, X012, X013, and X014 are $25. Courses X022 and X023 are $120.
Fee Reductions and Financial Aid

Scholarships and Financial Aid  Students can find information about loans and part-time employment through the Office of Student Financial Aids and through their school or department.

Employment  The Office of Financial Aids on each campus lists openings for part-time jobs in various offices and organizations of the University.

Fee Courtesy  The following statements describe the privilege of fee courtesy extended to full-time University faculty and staff by the Trustees. For a full policy statement, please refer to personnel policy No. D-21, revised May 7, 1982, available in the personnel office of each campus.

Fees for a full-time appointed employee (100% F.T.E.) who is appointed within the first week of a semester or summer sessions and enrolled in 1-6 credit hours will be assessed at one-half the resident credit hour rate at the campus where the employee enrolls, for the actual number of hours taken. Fees for credit hours in excess of six (6) in a semester or summer sessions will be assessed at full resident rate on that campus.

The spouse of a full-time appointed (100% F.T.E.) employee appointed within the first week of a semester or summer sessions will be entitled to a fee courtesy consisting of a credit of one-half of the resident undergraduate fee rate at the campus where the spouse enrolls for each credit hour up to the maximum of three (3) credit hours per semester or summer sessions. This credit will be applied against the full fees of the student at the appropriate resident or nonresident rate.

Dependent children of full-time appointed faculty and staff employees appointed within the first week of a semester or summer sessions will be entitled to a fee courtesy (effective with the fall term 1982) consisting of a credit on one-half of the resident undergraduate fee rate at the campus where the child enrolls. Dependent children shall be defined as all legally dependent children of employees including stepchildren, children who have employees as their legal guardians, and children of retired employees eligible for group life insurance benefits and of disabled employees receiving long-term disability benefits.

The fee courtesy for dependent children will be granted only to students registered at Indiana University in a curriculum leading to a first baccalaureate or associate degree, and only for the number of semester hours required to complete the curriculum in which the student is enrolled. This fee courtesy shall not apply for graduate or post-baccalaureate professional study.

To receive fee courtesy for dependent children, the full-time employee will fill out an application “Request for Fee Courtesy — Dependent Children,” available from the personnel office of each campus, and return the completed form to the personnel office prior to registration for verification of employment. If this application has not been approved and processed prior to registration, the student will be required to pay full fees and then will be issued a refund if the application is approved.

Veteran benefits  Students who are eligible for veteran benefits may enroll according to the following scales:

<table>
<thead>
<tr>
<th>Undergraduate Benefits</th>
<th>Fall &amp; Spring Semesters</th>
<th>Summer I</th>
<th>IUPUI Summer II</th>
<th>Bloomington Summer II</th>
</tr>
</thead>
<tbody>
<tr>
<td>full</td>
<td>12 or more</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>1/4</td>
<td>9-11</td>
<td>3</td>
<td>3</td>
<td>4-5</td>
</tr>
<tr>
<td>1/2</td>
<td>6-8</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>tuition only</td>
<td>fewer than 6</td>
<td>1</td>
<td>1</td>
<td>1-2</td>
</tr>
</tbody>
</table>

Graduate Benefits

<table>
<thead>
<tr>
<th>Graduation Benefits</th>
<th>Fall &amp; Spring Semesters</th>
<th>Summer I</th>
<th>IUPUI Summer II</th>
<th>Bloomington Summer II</th>
</tr>
</thead>
<tbody>
<tr>
<td>full</td>
<td>9 or more</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>1/4</td>
<td>7-8</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1/2</td>
<td>5-6</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>tuition only</td>
<td>fewer than 5</td>
<td>1</td>
<td>1</td>
<td>1-2</td>
</tr>
</tbody>
</table>
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 to notify the Veterans Affairs Office of any schedule change which may increase or decrease the number of benefits allowed.

Veterans with service connected disabilities may qualify for the V.A. Vocational Rehabilitation Program. They should contact their regional V.A. office for eligibility information.

Transfer to Other Indiana University Campuses

Each year many Indiana University students transfer from one campus of the university to another to continue their studies toward a degree. These transfers are often necessitated by financial difficulties, illness, or other personal problems, but just as often they are a matter of personal preference. Few of the other multi-campus universities are organized to facilitate this volume of student migration. 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 coursework on the eight campuses.

Students who wish to transfer to another campus should follow these procedures:

1. Inform your academic adviser of your decision as soon as possible. Degree requirements may vary from one campus to another but if your adviser 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 adviser) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, transfers 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 pre-enrollment 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 adviser 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 University fee purposes. Nonresident students shall pay a nonresident fee in addition to fees paid by a resident student.

These Rules shall take effect February 1, 1974; provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by these Rules, if he or she attended the University before that date and while he or she remains continuously enrolled in the University.

1. "Residence" as the term, or any of its variations (e.g., "resided"), as used in the context of these Rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.

(a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these Rules, but except as provided in Rule 2(c), such person must be a resident for twelve (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 twelve (12) month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.

2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least twelve (12) consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the University, subject to the exception in (c) below.

(a) The residence of an emancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administered the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.

(b) If such person comes from another state or country for the predominant purpose of attending the University, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.

(c) Such person may be classified as a resident student without meeting the twelve (12) month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."

(d) When it shall appear that the parents of a person properly classified as a "resident student" under subparagraph (c) above have removed their residence from Indiana, such person shall then be reclassified to the status of nonresident; provided, that no such reclassification shall be effective until the beginning of a semester next following such removal.

(e) A person once properly classified as a resident student shall be deemed to remain a resident student so long as remaining continuously enrolled in the University until such person's degree shall have been earned, subject to the provisions of subparagraph (d) above.

3. The foreign citizenship of a person shall not be a factor in determining resident student status if such person has legal capacity to remain permanently in the United States.

4. A person classified as a nonresident student may show that he or she is exempt from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see Rule 1 above) of Indiana for the twelve (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 twelve (12) months from the Residence Qualifying Date, i.e., the date upon which the student commenced the twelve (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 nonexistence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by sojourners in the state or which are merely auxiliary to the fulfillment of educational purposes.

(a) The residence of a student's parents or guardians.

(b) The situs of the source of the student's income.

(c) To whom a student pays his or her taxes, including property taxes.

(d) The state in which a student's automobile is registered.

(e) The state issuing the student's driver's license.

(f) Where the student is registered to vote.

(g) The marriage of the student to a resident of Indiana.

(h) Ownership of property in Indiana and outside of Indiana.

(i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.

(j) The place of the student's summer employment, attendance at summer school, or vacation.
(k) The student’s future plans including committed place of future employment or future studies.
(l) Admission to a licensed profession in Indiana.
(m) Membership in civic, community, and other organizations in Indiana or elsewhere.
(n) All present and intended future connections or contacts outside of Indiana.
(o) The facts and documents pertaining to the person’s past and existing status as a student.
(p) Parents’ tax returns and other information, particularly when emancipation is claimed.

5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.

6. The Registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.

7. A Standing Committee on Residence shall be appointed by the President of the University and shall include two (2) 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 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.
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