School of Health, Physical Education, and Recreation

Bloomington Campus 1982-84
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
IUPUI University Division
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)

Bulletins for the divisions of the University marked (*) above may be obtained from the Office of Admissions, Student Services Building, Indiana University, Bloomington, Indiana 47405. (Please note that there are two Indiana University Schools of Law and be sure to specify whether you want a bulletin of the Bloomington or the Indianapolis School.)

IUPUI bulletins for Purdue programs and for the IUPUI University Division may be obtained by writing directly to those units on the Indianapolis campus.

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).
School of Health, Physical Education, and Recreation

Bloomington Campus 1982-84

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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 Brennan, Crowe, Engs, Howard, Pigg, Assistant Professors Baer, Merolla, Piercy, Wayne; Lecturer Bailey; Professional Staff in Hazard Control Burch, Cates, Dahlgren, Everett, Hall, Henson, Isbell, Paddock, Paddock, Priesman, Randolph, Rex, Ruark, Stone

This Department is concerned primarily with the professional preparation of educators in the field of community health and safety education, school teachers at all levels, and teachers and administrators of school and college health and safety programs. The undergraduate and graduate major curricula lead to degrees in health and safety at the baccalaureate and graduate degree levels; public health education and safety management at the master's degree level; and non-teaching specialists in public health education and occupational safety at the baccalaureate degree level. The Department seeks to serve students throughout the University through elective courses in first aid, personal health and safety education, including driver education and firearm safety. Two divisions within the Department of Health and Safety Education provide additional services to the University, community, the state of Indiana and the nation. These divisions are:

The Center for Safety Studies provides appropriate services, both to the University community and to the citizens of the state of Indiana, through research, conferences and institutes conducted in cooperation with interested agencies, schools, businesses, and industries.

The Hazard Control Program was created to provide educational services to the NAV-SEASYSCOM Safety School. It also supports the department in its mission of professional preparation in the field of safety.

Special Programs

Two programs in which students may earn entry-level skills in the field of safety are offered by the Department of Health and Safety Education. These programs are designed to meet the needs of two types of students—university students who desire to enhance their professional backgrounds through experiences in safety, and individuals desiring less than a four year university education but who are interested in gaining entry-level skills that may enable them to find employment in positions leading to a career in safety.

- **Certificate of Hazard Control**
  The certificate program provides a directed course of study for the entry level practitioner interested in becoming a safety technician or for the individual who will have safety as a collateral responsibility in his or her job function. It also applies as credit for students who intend to pursue an associate degree in hazard Control Technology. The certificate requires 32 semester credit hours, including 18 hours of safety science courses and 14 hours of general education courses, by advisement.

- **Associate of Science Degree in Hazard Control**
  The associate degree prepares entry level specialists for the field of safety and provides an acceptable professional background for students to pursue a B.S. in safety. The associate degree is composed of 64 semester credit hours of directed studies which include 29 credit hours of required health and safety courses, 6 credit hours of health and safety electives, and 29 general education course credit hours.

  These programs are interdisciplinary in nature and utilize existing courses offered by departments throughout the University. The course requirements and sequences of courses for these programs are included in the Health and Safety Department's listing of courses of study found in a later section of this bulletin.
Department of Physical Education

Chairperson: Professor Clarke

Professors Aldrich, Cooper, Counsilman, Cousins, Davies, Endwright, Miller, Strong, Updyke; Associate Professors Bellisle, Billingsley, Bruce, Burns, Burrus, Corso, Gallahue, Greer, Hamm, Johnson, Morris, Remley, Snygg, Surburg, Watson, Wilkerson; Assistant Professors Andres, Bell, Blubaugh, Bopp, Brown, Carlison, Fitch, Haven, Henson, Hope, Kamen, Knight, Mindheim, Mull, Newberg, Schrader, Sherwin, Yeagley; Instructors Albohm, Corradini, Cummins, Doba, Garl, Hicks, Lawrence, Lucas, Mauro, Muchling, Shands, Shelmon, Shuck, Watts; Lecturers Crews, Fox, Lewis, Noble, Schulz, Wright, Research Associate Jastremski

The Department of Physical Education offers both undergraduate and graduate preparation. Two major thrusts are made in the undergraduate Bachelor of Science curriculum. The first is the preparation of teachers, administrators, and coaches, leading to a Standard Teaching Certificate, either for grades 7-12 or for K-12. The other is a nonteaching option in sports science designed for those interested in a career in exercise and sport. In addition, the department offers a dance major and an athletic training emphasis.

The undergraduate teacher preparation curriculum is designed around a combination of sport teaching methodologies and courses in 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 Sports Science program is interdisciplinary in nature, providing appropriate course work in related subject matter, as well as physical education courses in the human movement sciences. 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, martial arts, 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 Doctor of Philosophy Degree in Human Performance. A variety of program concentrations are available for graduate degree candidates, including such areas as: adapted physical education, administration, athletic training, coaching, elementary physical education, recreational sports administration, motor learning, exercise physiology, and biomechanics. The Ph.D. program is offered in biomechanics, exercise physiology, and sports psychology (motor learning). The department operates human performance research laboratories in these three areas as well.

Department of Recreation and Park Administration

Chairperson: Professor Deppe

Professors MacLean, Mobley, Peterson, Rillo, Associate Professors Anderson, Austin, Lawson, Martin, Meyer; Assistant Professors Carter, Cato, Chenery, Robb, Ross, C., Ross, J.; Lecturers Barham, Brown, Finch, Goode, Ragan, Russell, Sharpless

The Department prepares students for professional recreational leadership and for supervisory and executive positions in a variety of settings. Students may select from four options: 1. Public Recreation and Parks, 2. Outdoor Recreation (Camping, Outdoor Education, Conservation), 3. Recreation Leadership and Programming, and 4. Therapeutic Recreation.

The undergraduate curriculum emphasizes a broad general education background and is complemented with a sequential core of five professional courses plus fifteen other courses in the major area of parks and recreation. Requirements for a teaching certificate may be acquired in every option with the exception of therapeutic recreation.
The graduate curriculum is designed for students who are preparing for administrative, teaching, or research careers. Six options are offered for M.S. students: Public Parks and Recreation, Outdoor Recreation, College Union Administration, Therapeutic Recreation, General Option, and Recreational Sports Management.

Major functions within the Department include:

*Bradford Woods* is Indiana University's nationally recognized outdoor education and camping area. This outdoor education area is an excellent facility for workshops and outdoor education classes.

The *Executive Development Program* is designed to assist executives in keeping abreast of the changing world and in the continuing development of their managerial skills.

The *Great Lakes Park Training Institute* is attended by park and recreation administrators, supervisors and technicians representing municipal, county, regional, state and federal agencies.

The *Leisure Research Institute* provides a focus for departmental research efforts and expansion of cooperative research programming. One objective of the Institute is to expand opportunities for students to pursue research projects under the direction of competent research faculty.

## Division of Recreational Sports

*Director:* Mull

*Assistant Directors* Bayless, Coates, Ross; *Coordinators* Esckilsen, McMinn

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 intramural sports program allows for men’s, women’s, and mixed tournaments in team, dual, individual, and meet competition. The sports club program provides for student groups to organize because of a common interest in competitive activity ranging from casual to highly competitive programs.

As part of the overall program, numerous paid and volunteer leadership experiences are available to students who wish to get involved supervising, officiating, in unit management, and 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 M014 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 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 course shall be W if he/she is passing at the time of withdrawal and WF if he/she 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 F.

Incompletes. 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 guide 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, he/she will be allowed to remove the Incomplete by taking the examination only with the approval of the Committee on Absence and the instructor.

The student may not register in a course in which he/she has 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 absences 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. A student is placed on probation for the semester succeeding the one in which he/she fails 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, a student may be dismissed from the School if he/she (1) makes less than D average for a semester, (2) is more than nine credit points below a cumulative C average, or (3) is 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 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 major program. The three phases of the plan include the following:

Phase I. Sophomore Level
Students earning below an overall grade-point average of 2.3 at the end of the first semester of their 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 the student has 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.

Teaching Certificates. Students starting their undergraduate programs after August, 1978, will follow the new state certification requirements. Such students must confer with an adviser of the School for specific requirements. In most cases when a student completes his degree, he has 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 apply to the standard license in Junior High/Middle School Education and Secondary Education as 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.

A. Oral and Written Expression ...................................... 9 cr.
   Oral ........................................................................... 2 cr.
   Speech S121, 2

[All-Grade 18-22 cr]
Written ................................................................. 2 cr.


Electives—to make at least 9 hrs.
Any courses from the above or:
Eng. W350 [3 cr.]

B. 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 Bulle-
tin for specific approved course numbers.

Afro-American Studies  Linguistics
Classical Studies  Music
Comparative Literature  Near Eastern Languages and Literature
East Asian Languages  Philosophy
  and Literature  Religious Studies
English  Slavic Language and Literature
Fine Arts  Spanish and Portuguese
Folklore  Speech Communication
French and Italian  Telecommunications
Germanic Languages  Theatre and Drama
HPER (R160 only)  Uralic and Altaic Studies
Journalism

Life and Physical Sciences ........................................... 9-15 cr.
(All-Grade 9-12 cr.)

A. Life Sciences ...................................................... 3 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 P397 [3 cr.]
HPER P409 [3 cr.]

B. Physical Sciences .................................................. 3 cr.

Astro. A100 [3 cr.], A105 [3 cr.], A110 [3 cr.], A120 [3 cr.]
Chem. C100 [3 cr.], C101/121 [5 cr.], C102/122 [5 cr.]
  C105/125 [4 cr.], S106, [3 cr.]
Geol. G103 [3 cr.], G104 [3 cr.]
  [3 cr.], M211 [3 cr.], M215 [3 cr.], M216 [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.

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:

Econ. E103 [3 cr.], E104 [3 cr.], E300 [3 cr.], E301 [3 cr.]
Soc. S100 [3 cr.], S101 [3 cr.], S201 [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.

Fall 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.)

Spring 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.

Fall 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.]

Spring 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.]
Fall 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.]

Spring Semester, Total 16 cr.
Pols. 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
Four-year program leading to a Provisional Teaching Certificate and the degree Bachelor of Science in Health and Safety [possible minor: Biology].

Freshman Year

Fall Semester, Total 16 cr.
Biol. L100 Man and the Biological World [5 cr.]
Eng. W131 Elementary Composition I [3 cr.]
Sphc. S121 Public Speaking [2 cr.]
Soc. S100 Sociological Analysis of Society [3 cr.]
Electives [3 cr.]

Spring Semester, Total 16 cr.
Chem. C100 Chemistry [3 cr.]
OR
Chem. C101 Elementary Chemistry I [3 cr.]
Chem. C121 Elementary Chemistry Laboratory [2 cr.]
Psy. 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.]

Sophomore Year

Fall Semester, Total 17 cr.
Anat. A215 Basic Human Anatomy [5 cr.]
HmEc. H231 Human Nutrition [3 cr.]
Educ. P253 Educational Psychology for Secondary Teachers [3 cr.]
Educ. M201 Laboratory-Field Experience [1 cr.]
Pols. Y103 Introduction to American Politics [3 cr.]
Electives [2 cr.]

Spring Semester, Total 17 cr.
Phsl. P215 Basic Mammalian Physiology [5 cr.]
Educ. M300 Teaching in a Pluralistic Society [3 cr.]
HPER H363 Personal Health [3 cr.]
Electives [6 cr.]

Junior Year

Fall Semester, Total 16 cr.
HPER S350 Content and Materials in Safety Education [2 cr.]
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<td>HPER H464</td>
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<td>HPER H366</td>
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<td>3 cr</td>
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<td>3 cr</td>
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<td>Biol. M360</td>
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<td>Strategy of Life</td>
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<tr>
<td>Educ. M313</td>
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<tr>
<td>Educ. H340</td>
<td>3 cr</td>
<td>Education and American Culture</td>
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<tr>
<td>Biol. L369</td>
<td>3 cr</td>
<td>Heredity, Evolution, and Society</td>
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**Senior Year**

**Fall Semester, Total 16 cr.**
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<td>Educ. M458</td>
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<td>Methods of Teaching Health and Safety</td>
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<td>Educ. M401</td>
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<td>HmEc. H458</td>
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<td>Family and Consumer Law</td>
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<td>Electives</td>
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**Health and Safety Major**

**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.

**Freshman Year**

**First Semester, Total 16-17 cr.**
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<tr>
<td>HPER H160</td>
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<tr>
<td>Eng. W131</td>
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<td>Elementary Composition I</td>
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<td>Spch. S121</td>
<td>2 cr</td>
<td>Public Speaking</td>
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<td>Psy. P101</td>
<td>3 cr</td>
<td>Introductory Psychology I</td>
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<td>Biol. L100</td>
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**Second Semester, Total 16 cr.**
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<td>Chem. C101</td>
<td>3 cr</td>
<td>Elementary Chemistry I</td>
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<td>Chem. C121</td>
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<td>Introductory Creative Writing</td>
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<td>Introductory Psychology II</td>
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**Sophomore Year**

**First Semester, Total 16 cr.**
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<td>Anat. A215</td>
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<tr>
<td>Eng. W231</td>
<td>3 cr</td>
<td>Professional Writing Skills</td>
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<td>HmEc. H258</td>
<td>3 cr</td>
<td>Marriage and Family Interaction</td>
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<td>Soc. S100</td>
<td>3 cr</td>
<td>Sociological Analysis of Society</td>
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<tr>
<td>HPER S350</td>
<td>2 cr</td>
<td>Content and Materials in Safety Education</td>
</tr>
</tbody>
</table>
Second Semester, Total 16-17 cr.
Phsl. P215 Basic Mammalian Physiology [5 cr.]
Soc. S101 Social Problems and Policies [3 cr.]
HmEc. H231 Human Nutrition [3 cr.]
Jour. J200 Verbal Communication [3 cr.]
OR
Tel. C200 Introduction to Mass Communications [3 cr.]
Electives [2-3 cr.]

Junior Year

First Semester, Total 16 cr.
Biol. M270 Man and Microorganisms [3 cr.]
Soc. S210 Social Organizations [3 cr.]
HPER H363 Personal Health [3 cr.]
HPER H366 Health Problems in the Community [3 cr.]
HPER H464 Organization of Health Education [2 cr.]
Electives [2 cr.]

Second Semester, Total 16 cr.
Soc. S230 Society and the Individual [3 cr.]
Psy. P316 Psychology of Childhood and Adolescence [3 cr.]
HPER H465 Community Health Education [3 cr.]
Biol. L350 Environmental Biology [3 cr.]
OR
Biol. L360 Strategy of Life [3 cr.]
HmEc. H458 Family and Consumer Law [3 cr.]
Electives [1 cr.]

Senior Year

First Semester, Total 16 cr.
Soc. S316 Sociology of the Family [3 cr.]
Educ. R543 Preparation of Inexpensive Instructional Materials [3 cr.]
HPER H460 Instructor's Course in First Aid [2 cr.]
Electives [8 cr.]

Second Semester, Total 16 cr.
HPER H499 Research in Health and Safety [1 cr.]
HPER C490 Field Experience in Public Health Education [2-8 cr.]
Electives [7-13 cr.]

Elect at least 9 hours from:
Soc. S309 The Community [3 cr.]
Bus. Z300 Organizational Behavior and Leadership [3 cr.]
Bus. K201 The Computer in Business [3 cr.]
Clas. C290 Greek and Latin Elements in Medical Terminology [2 cr.]
SPEA V170 Public and Environmental Affairs [3 cr.]
SPEA E200 Environment and People [3 cr.]
SPEA V316 Environmental Health Management Orientation [3 cr.]
HPER S456 Traffic Safety Education for Teachers [4 cr.]
FORS P462 Physical and Sexual Abuse of Children [3 cr.]
HmEc. H255 Human Sexuality [3 cr.]

Health and Safety Major

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.

Freshman Year

First Semester, Total 16 cr.
Eng. W131 Elementary Composition [3 cr.]

OR
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<td>Biol. L101</td>
<td>Man and the Biological World</td>
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<td>Sphc. S121</td>
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<td>HPER S101</td>
<td>Introduction to Safety Science</td>
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<td>Chem. C100</td>
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<td>Math M118</td>
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<td>First Aid</td>
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<td>HPER S151</td>
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<td>Sophomore Year</td>
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<td>Anat. A215</td>
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<td>Pols. Y103</td>
<td>Introduction to American Politics</td>
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<td>General Industry Standards</td>
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<td>SPEA V250</td>
<td>Problems in Public Affairs</td>
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<td>HPER S201</td>
<td>Introduction to Industrial Hygiene</td>
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<td>Biol. L270</td>
<td>Man and Microorganisms</td>
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<td>HPER S253</td>
<td>Hazard Control Program Management</td>
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<td>HPER S252</td>
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<td>Tel. C200</td>
<td>Introduction to Mass Media</td>
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<td>SPEA V316</td>
<td>Environmental Health Management</td>
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<td>HPER S251</td>
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<td>Educ. R543</td>
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<td>HPER S457</td>
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<td>HPER S352</td>
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<td>Bus. Z300</td>
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HPER  H465  Community Health Education (3 cr.)
HPER  S490  Field Experience in Safety (2-8 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.]
Phsl.  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 Program
Students may obtain a Bachelor of Science degree in Physical Education through completion of the Sports Science curriculum. This program does not lead to teacher certification. See page 18 for complete program details.

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 pages 46-54 for course numbers and descriptions.

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 P       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.)
SPCH S121   Public Speaking (2 cr.)
Social and Behavioral Sciences (3 cr.)
Humanities Area Oral and Written Expression (3-5 cr.)
Dance Major

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

Freshman Year

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 & 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.)

Sophomore Year

First Semester, Total 16 cr.
HPER D211 Advanced Modern Dance I (2 cr.)
HPER D331 Dance and Allied Arts I (3 cr.)
Educ. H340 Education and American Culture (3 cr.)
Humanities Art Appreciation (3 cr.)
Phsl. P215 Basic Mammalian Physiology (5 cr.)

Second Semester, Total 17 cr.
HPER D212 Advanced Modern Dance II (2 cr.)
HPER D332 Dance and Allied Arts II (3 cr.)
HPER D351 Teaching of Modern Dance (1 cr.)
HPER P290 Movement Experiences for Preschool and Elementary School Children (2 cr.)
Educ. P254 Educational Psychology for All Teachers (3 cr.)
Theater T120 Fundamentals of Acting (3 cr.)
Educ. M300 Introduction to Education in a Culturally Pluralistic Society (3 cr.)

Junior Year

First Semester, Total 15 cr.
HPER F397 Kinesiology (3 cr.)
HPER P222 Performance & Teaching of Gymnastics (2 cr.)
HPER D311 Theory and Practice of Dance Technique I (2 cr.)
HPER D221 Modern Dance Comp. I (2 cr.)
HPER D441 Dance Production I (3 cr.)
HPER D201 Modern Dance Workshop (1 cr.)
HPER P323 Teaching of Individual Sports (2 cr.)

Second Semester, Total 17 cr.
HPER F398 Adapted Physical Education (3 cr.)
HPER D312 Theory and Practice of Dance Technique II (2 cr.)
HPER D222 Modern Dance Composition II (2 cr.)
HPER D442 Dance Production II (3 cr.)
HPER D252 Rhythmic Form & Analysis (2 cr.)
HPER D201 Modern Dance Workshop (1 cr.)
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<tr>
<td>Educ.</td>
<td>M462 Methods of Teaching Reading (3 cr.)</td>
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**Senior Year**

**First Semester, Total 15 cr.**
- HPER D461 Basic Methods of Dance Notation (1 cr.)
- HPER D353 Music Resources for Dance (2 cr.)
- HPER P325 Teaching of Team Sports (2 cr.)
- HPER P409 Performance and Teaching Elective (1 cr.)
- Educ. M313 Teaching in the Secondary Schools (3 cr.)
- HPER P409 Physiology of Exercise (3 cr.)
- Humanities area (3 cr.)

**Second Semester, Total 17 cr.**
- HPER D462 Dance Summary (1 cr.)
- HPER D200 Dance in Elementary Education (1 cr.)
- Educ. M451 Student Teaching (9 cr.)
- Educ. M456 Methods of Teaching P.E. (3 cr.)
- HPER P497 Organization and Curricular Structure of Physical Educ. K-12 (3 cr.)

**Sports Science Major**

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.

**Freshman Year**

**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 Calculus* (3 cr.)
- 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.)
- PSYC P101 Introductory Psychology (3 cr.)
- SPCH S121 Public Speaking (2 cr.)
- Elective (Recommend MATH M120 or CHEM C126)

**Sophomore Year**

**First Semester, Total 15 cr.**
- HPER P221 Performance of Rhythm and Dance (2 cr.)
- HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
- ANAT A215 Basic Human Anatomy (5 cr.)
- ENG W231 Professional Writing Skills (3 cr.)
- SOC S100 Sociological Analysis of Society (3 cr.)

*A more advanced course may be selected, commensurate with the student's competency.*
Second Semester, Total 16 cr.
HPER P323 Teaching of Individual Sports [2 cr.]
OR
HPER P325 Teaching of Team Sports [2 cr.]
ANTH A105 Human Origins and Prehistory [3 cr.]
PHSL P215 Basic Mammalian Physiology [5 cr.]
BUS K201 The Computer in Business [3 cr.]
JOUR J327 Writing for Publication [3 cr.]

Junior Year

First Semester, Total 17 cr.
HPER P396 Historical and Philosophical Foundations of Physical Education [3 cr.]
HPER P397 Kinesiology [3 cr.]
HPER P452 Motor Learning [3 cr.]
HPER P493 Tests and Measurements in Physical Education [3 cr.]
HPER Electives1 [2 cr.]
Sports Science Elective2 [3 cr.]

Second Semester, Total 15 cr.
HPER P398 Adapted Physical Education [3 cr.]
HPER P409 Basic Physiology of Exercise [3 cr.]
HPER P450 Principles and Psychology of Coaching [3 cr.]
PSYC K300 Statistical Techniques [3 cr.]
Sports Science Elective2 [3 cr.]

Senior Year

First Semester, Total 13 cr.
HPER P448 Internship in Sports Science or Elective [3 cr.]
HPER P499 Research in Physical Education and Athletics [3 cr.]
Elective [3 cr.]
Sports Science Elective2 [4 cr.]

Second Semester, Total 15 cr.
HPER P446 Sports Science Seminar [3 cr.]
HPER P492 Laboratory Assisting or Field Experience in Sports Science [3 cr.]
Elective [3 cr.]
Sports Science Electives2 [6 cr.]

1Students must elect a minimum of two [2] credit hours from the following Physical Education courses: E121, E133, E275, A480, P232.
2Sports Science Electives: 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.]
CSCI C251 Foundations of Digital Computing [3 cr.]
CSCI 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 1 [5 cr.]
Physical Education Minor

Required courses for the minor include:

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<tr>
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<tbody>
<tr>
<td>HPER P240</td>
<td>Foundations of Physical Education [2 cr.]</td>
</tr>
<tr>
<td>HPER P390</td>
<td>Growth and Motor Performance of School Age Youth K-12 [P: HPER P240] [2 cr.]</td>
</tr>
<tr>
<td>HPER P497</td>
<td>Organizational and Curricular Structures of Physical Education K-12 [3 cr.]</td>
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<td>HPER P397</td>
<td>Kinesiology [P: Anat. A215] [3 cr.]</td>
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<td>HPER P409</td>
<td>Basic Physiology of Exercise [P: Phsl. P215] [3 cr.]</td>
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<tr>
<td>HPER P221</td>
<td>Performance of Rhythm and Dance [2 cr.]</td>
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<tr>
<td>HPER P222</td>
<td>Performance and Teaching of Gymnastics [2 cr.]</td>
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<tr>
<td>HPER P323</td>
<td>Teaching of Individual Sports [P: HPER P121 or satisfactory proficiency test] [2 cr.]</td>
</tr>
<tr>
<td>HPER P325</td>
<td>Teaching of Team Sports [P: HPER P122 or satisfactory proficiency test] [2 cr.]</td>
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<tr>
<td>MATH M216</td>
<td>Analytic Geometry and Calculus 2 [5 cr.]</td>
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<tr>
<td>PHYS P202</td>
<td>General Physics 2 [5 cr.]</td>
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<tr>
<td>PHYS P320</td>
<td>Introduction to Biophysics [3 cr.]</td>
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<tr>
<td>PHYS P331</td>
<td>Organ Systems of Mammals [3 cr.]</td>
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<tr>
<td>PHYS P416</td>
<td>Comparative Animal Physiology [3 cr.]</td>
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<td>PHYS P417</td>
<td>Neurobiology [3 cr.]</td>
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<tr>
<td>PSYC P201</td>
<td>Psychology and Human Behavior [3 cr.]</td>
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<tr>
<td>PSYC P211</td>
<td>Methods of Experimental Psychology [3 cr.]</td>
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<tr>
<td>PSYC P326</td>
<td>Physiological Psychology [3 cr.]</td>
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<tr>
<td>PSYC P329</td>
<td>Sensation and Perception [3 cr.]</td>
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<tr>
<td>PSYC P336</td>
<td>Psychological Tests and Individual Differences [3 cr.]</td>
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<tr>
<td>PSYC P400</td>
<td>Psychological Measurement and Scaling [2 cr.]</td>
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<tr>
<td>PSYC P405</td>
<td>Elementary Mathematical Psychology [3 cr.]</td>
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<tr>
<td>PSYC P424</td>
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<td>PSYC P426</td>
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<td>PSYC P427</td>
<td>Laboratory in Psychological Measurement [2 cr.]</td>
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<td>PSYC P465</td>
<td>Psychophysics of Hearing [3 cr.]</td>
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Psychosocial Area

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<tr>
<td>ANTH A303</td>
<td>Evolution and Prehistory [3 cr.]</td>
</tr>
<tr>
<td>ANTH B200</td>
<td>Bioanthropology and B301 Lab [3-2 cr.]</td>
</tr>
<tr>
<td>ANTH B480</td>
<td>Human Growth and Development [3 cr.]</td>
</tr>
<tr>
<td>CSCI C251</td>
<td>Foundations of Computer Science [3 cr.]</td>
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<tr>
<td>CSCI C301</td>
<td>Fortran Programming [1 cr.]</td>
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<tr>
<td>HPSC X200</td>
<td>Introduction to Scientific Reasoning [3 cr.]</td>
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<tr>
<td>PHIL P105</td>
<td>Thinking and Reasoning [3 cr.]</td>
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<tr>
<td>PHIL P205</td>
<td>Reasoning and Knowledge [3 cr.]</td>
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<tr>
<td>PSYC P316</td>
<td>Psychology of Childhood and Adolescence [3 cr.]</td>
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<td>PSYC P325</td>
<td>Psychology of Learning [3 cr.]</td>
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<td>PSYC P327</td>
<td>Psychology of Motivation [3 cr.]</td>
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<tr>
<td>PSYC P335</td>
<td>Cognitive Psychology [3 cr.]</td>
</tr>
<tr>
<td>PSYC P336</td>
<td>Psychological Tests and Individual Differences [3 cr.]</td>
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<tr>
<td>PSYC P400</td>
<td>Psychological Measurement and Scaling [3 cr.]</td>
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<td>PSYC P405</td>
<td>Elementary Mathematical Psychology [3 cr.]</td>
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<td>PSYC P427</td>
<td>Laboratory in Psychological Measurement [2 cr.]</td>
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<td>PSYC P435</td>
<td>Laboratory in Human Learning [3 cr.]</td>
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<tr>
<td>SOC S101</td>
<td>Social Problems and Policies [3 cr.]</td>
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<tr>
<td>SOC S210</td>
<td>Social Organization [3 cr.]</td>
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<tr>
<td>SOC S215</td>
<td>Social Change [3 cr.]</td>
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<tr>
<td>SOC S230</td>
<td>Society and the Individual [3 cr.]</td>
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<tr>
<td>SOC S415</td>
<td>Sociology of Science [3 cr.]</td>
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<tr>
<td>SOC S431</td>
<td>Topics in Social Psychology [3 cr.]</td>
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<tr>
<td>SOC S431</td>
<td>Methods of Sociological Research [3 cr.]</td>
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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 Field Hockey (1 cr.)
- P229 Performance and Teaching of Flag Football (1 cr.)
- P230 Performance and Teaching of Golf (1 cr.)
- P231 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.)
- P321 Teaching of Folk and Square Dance (2 cr.)
- A361 Coaching of Football (1 ½ cr.)
- A362 Coaching of Basketball (1 ½ cr.)
- A363 Coaching of Baseball (1 ½ cr.)
- A364 Coaching of Track and Field (1 ½ cr.)
- A365 Coaching of Wrestling (1 ½ cr.)
- A366 Coaching of Gymnastics (1 ½ cr.)
- A367 Coaching of Swimming and Diving (1 ½ cr.)
- A368 Coaching of Tennis (1 ½ cr.)
- A369 Coaching of Golf (1 ½ cr.)
- A370 Coaching of Soccer (1 ½ cr.)
- A371 Coaching of Volleyball (1 ½ cr.)
- D351 Teaching of Modern Dance (1 cr.)

Teachers 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, for those 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 (3 cr.) P: Anatomy A215
- HPER P409 Physiology of Exercise (3 cr.) P: Physiology P215

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 ½ cr.)
- HPER A362 Coaching of Basketball (1 ½ cr.)
- HPER A363 Coaching of Baseball (1 ½ cr.)
- HPER A364 Coaching of Track and Field (1 ½ cr.)
- HPER A365 Coaching of Wrestling (1 ½ cr.)
- HPER A366 Coaching of Gymnastics (1 ½ cr.)
- HPER A367 Coaching of Swimming and Diving (1 ½ cr.)
- HPER A368 Coaching of Tennis (1 ½ cr.)
- HPER A369 Coaching of Golf (1 ½ cr.)
- HPER A370 Coaching of Soccer (1 ½ cr.)
- HPER A371 Coaching of Volleyball (1 ½ cr.)
- HPER P434 Gymnastics: Judging and Composition (2 cr.)
HPER  P422  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\(^1\) 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. 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 A361** Coaching of Football\(^2\) (1 ½ cr.)
- **HPER A362** Coaching of Basketball\(^2\) (1 ½ cr.)
- **HPER A363** Coaching of Baseball\(^2\) (½ cr.)
- **HPER A364** Coaching of Track and Field\(^2\) (1 ½ cr.)
- **HPER A365** Coaching of Wrestling\(^2\) (1 ½ cr.)
- **HPER A366** Coaching of Gymnastics\(^2\) (1 ½ cr.)
- **HPER A367** Coaching of Swimming/Diving\(^2\) (1 ½ cr.)
- **HPER A368** Coaching of Tennis\(^2\) (1 ½ cr.)
- **HPER A369** Coaching of Golf\(^2\) (1 ½ cr.)
- **HPER A370** Coaching of Soccer\(^2\) (1 ½ cr.)
- **HPER A371** Coaching of Volleyball\(^2\) (1 ½ 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\(^3\) (3 cr.)
- **Chem. C101 or C101 Chemistry\(^3\) (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.)

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\(^1\)Training curriculum has been approved by the National Athletic Trainer’s Association.

\(^2\)Students must elect six credits from the coaching courses listed.

\(^3\)Strongly recommended.
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. C101 or C101 Chemistry* (3 cr.)

Procedure for Admission of Students to the Undergraduate Athletic Training Program Emphasis
1. A student who desires entrance requirements, [see University Division or HPER School Bulletins], or is in the process of doing so, should obtain an application form from the School of HPER 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 the student will be notified by July 1 as to whether he/she is accepted into the program.

Recreation Major

Emphasis: Public Recreation and Parks
Four-year program leading to the degree Bachelor of Science in Recreation.

Freshman Year

First Semester, Total 15 cr.
Eng. W131 Elementary Composition (3 cr.)
Speech S121 Public Speaking (2 cr.)
Psy. P101 Psychology I (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Elective (4 cr.)

Second Semester, Total 16 cr.
Biol. L100 Man and the Biological World (5 cr.)
Psy. P102 Psychology II (3 cr.)

*Strongly recommended.
Sociology elective (3 cr.)
HPER R160 Recreation and Leisure (3 cr.)
Program area elective 1 (2 cr.)

Sophomore Year

First Semester, Total 16 cr.
Econ. E103 Introduction to Microeconomics (3 cr.)
Pol. Sc. Y103 Introduction to American Politics (3 cr.)
HPER R265 Introduction to Public Parks and Recreation (2 cr.)
HPER R266 Management of Facilities I (3 cr.)
Program area elective 1 (3 cr.)
Science elective (2 cr.)

Second Semester, Total 15 cr.
HPER R267 Management of Facilities II (3 cr.)
HPER R271 Dynamics of Outdoor Recreation (3 cr.)
HPER R272 Recreation Activities and Leadership Methods (3 cr.)
Humanities elective 2 (3 cr.)
Program area elective 1 (3 cr.)

Junior Year

First Semester, Total 16 cr.
Pol. Sc. Y308 Urban Politics (3 cr.)
Bus. L201 Business Law (3 cr.)
HPER R367 Leisure Program Development (3 cr.)
HPER H160 First Aid (2 cr.)
Humanities elective 2 (3 cr.)
Science elective (2 cr.)

Second Semester, Total 15 cr.
Educ. M363 Professional Field Experience [Intern] (15 cr.)

Senior Year

First Semester, Total 16 cr.
HPER R337 Computer Application in Parks and Recreation (3 cr.)
HPER R466 Management of Leisure Services (3 cr.)
HPER R490 Senior Seminar (2 cr.)
HPER R468 Planning Park and Recreation Facilities (3 cr.)
Elective (5 cr.)

Second Semester, Total 15 cr.
Speech S223 Business and Professional Speaking (3 cr.)
Bus. A201 Management Accounting (3 cr.)
Program area elective 1 (4 cr.)
Elective (5 cr.)

1Twelve credit hours to be selected from a minimum of three of the following program areas: Performing Arts, Arts and Crafts, Sports, Outdoor Recreation.
2Selected from Art, Music, or Theater Appreciation, Literature L101, L102, C255, Religion R160, R170, R180, Folklore F101.
Recreation Major

**Emphasis: Outdoor Recreation**

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

**Freshman Year**

**First Semester, Total 15 cr.**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
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<td>Speech</td>
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<td>Psy.</td>
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<tr>
<td>Soc.</td>
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**Second Semester, Total 16 cr.**

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<tr>
<td>Psy.</td>
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<td>3 cr.</td>
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<tr>
<td>Sociology</td>
<td>Elective</td>
<td>3 cr.</td>
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<td>HPER</td>
<td>R160 Recreation and Leisure</td>
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**Sophomore Year**

**First Semester, Total 15 cr.**

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<tr>
<td>Program</td>
<td>Area Elective 2</td>
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<td>Electives</td>
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**Second Semester, Total 14 cr.**

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<td>HPER</td>
<td>R271 Dynamics of Outdoor Recreation</td>
<td>3 cr.</td>
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<tr>
<td>HPER</td>
<td>R272 Recreation Activities and Leadership Methods</td>
<td>3 cr.</td>
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<tr>
<td>Humanities</td>
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<td>Science</td>
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**Intensive I, Total 3 cr.**

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<tr>
<td>HPER</td>
<td>R279 Camping and Outdoor Recreation Leadership</td>
<td>3 cr.</td>
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**Junior Year**

**First Semester, Total 16 cr.**

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<td>HPER</td>
<td>R372 Interpretive Resources and Techniques</td>
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<td>Biol.</td>
<td>Z265 Field Biology</td>
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<td>Biol.</td>
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<td>H160 First Aid</td>
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**Second Semester, Total 15 cr.**

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<td>Educ.</td>
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<td>15 cr.</td>
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12 credit hours to be selected from a minimum of three of the following program areas: Performing Arts, Arts and Crafts, Sports, Outdoor Recreation.

2Selected from Art, Music, or Theater Appreciation, Literature L101, L102, C255, Religion R160, R170, R180, Folklore F101.
Senior Year

**First Semester, Total 15 cr.**

HPER R466 Management of Leisure Services (3 cr.)
HPER R490 Senior Seminar (2 cr.)
HPER R338 Resource Management (3 cr.)
Program area elective\(^1\) (4 cr.)
Elective (3 cr.)

**Second Semester, Total 15 cr.**

Educ. R423 Utilization of Audio-Visual Materials (3 cr.)
Science elective (3 cr.)
Elective (9 cr.)

**Recreation Major**

**Emphasis: Recreation Leadership and Programming**

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

**Freshman Year**

**First Semester, Total 16 cr.**

Eng. W131 Elementary Composition (3 cr.)
Speech S121 Public Speaking (2 cr.)
Psy. P101 Psychology I (3 cr.)
Soc. S100 Sociological Analysis of Society (3 cr.)
Humanities elective\(^2\) (3 cr.)
Elective (2 cr.)

**Second Semester, Total 15 cr.**

Bio. L100 Man and the Biological World (5 cr.)
Pcy. P102 Psychology II (3 cr.)
HPER R160 Recreation and Leisure (3 cr.)
Program area elective\(^1\) (2 cr.)
Elective (2 cr.)

**Sophomore Year**

**First Semester, Total 16 cr.**

HPER R266 Management of Facilities I (3 cr.)
HPER R275 Dynamics of Camp Leadership (2 cr.)
Humanities elective\(^2\) (3 cr.)
Sociology elective (3 cr.)
Program area elective\(^1\) (2 cr.)
Elective (3 cr.)

**Second Semester, Total 15 cr.**

HPER R272 Recreation Activities and Leadership Methods (3 cr.)
HPER R277 Introduction to Therapeutic Recreation (3 cr.)
HPER P390 Movement Experiences of Pre-School and Elementary Children (2 cr.)
Hm.Ec. H258 Man and Family Interaction (3 cr.)
Program area elective\(^1\) (1 cr.)

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\(^1\)12 credit hours to be selected from a minimum of three of the following program areas: Performing Arts, Arts and Crafts, Sports, Outdoor Recreation

\(^2\)Select from Art, Music, or Theater Appreciation, Literature L101, L102, C255, Religion R160, R170, R180, Folklore F101.
Junior Year

First Semester, Total 16 cr.
HPER R367  Leisure Program Development [3 cr.]
HPER R372  Interpretive Resources and Techniques [3 cr.]
Psy. F316  Psychology of Child and Adolescence [3 cr.]
HPER P390  Growth and Motor Performance of School Age Youth [2 cr.]
HPER H160  First Aid [2 cr.]
Hm.Ec. H345  Parent-Child Relationships [3 cr.]

Second Semester, Total 15 cr.
Educ. M363  Professional Field Experience [Intern] [15 cr.]

Senior Year

First Semester, Total 15 cr.
HPER R466  Management of Leisure Services [3 cr.]
HPER R490  Senior Seminar [2 cr.]
HPER R338  Resource Management [3 cr.]
Bus. A201  Management Accounting [3 cr.]
Program area elective¹ [4 cr.]

Second Semester, Total 16 cr.
HPER R331  Leisure Education [3 cr.]
Sociology elective [3 cr.]
Science elective [4 cr.]
Elective [3 cr.]

Recreation Major

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

Freshman Year

First Semester, Total 16 cr.
Eng. W131  Elementary Composition [3 cr.]
Speech S121  Public Speaking [2 cr.]
Psy. S101  Psychology I [3 cr.]
Soc. S101  Sociological Analysis of Society [3 cr.]
Humanities elective² [3 cr.]
HPER H160  First Aid [2 cr.]

Second Semester, Total 16 cr.
HPER R160  Recreation and Leisure [3 cr.]
Psy. P102  Psychology II [3 cr.]
Biol. L100  Man and the Biological World
OR
Chem. C101  Elementary Chemistry and C121
OR
Chem. C105  Principles of Chemistry and C125 [5 cr.]
Program area elective¹ [3 cr.]
Elective [2 cr.]

¹12 credit hours to be selected from a minimum of three of the following program areas:
Performing Arts, Arts and Crafts, Sports, Outdoor Recreation.
²Selected from Art, Music, or Theater Appreciation, Literature L101, L102, C255, Religion
R160, R170, R180, Folklore F101.
Sophomore Year

First Semester, Total 16 cr.
Anat. A215 Basic Human Anatomy [5 cr.]
Humanities elective2 [3 cr.]
Speech S29 Discussion and Group Dynamics
OR
Speech S223 Business and Professional Speaking
OR
Program area elective1 [2 cr.]
Restricted elective3 [3 cr.]

Second Semester, Total 16 cr.
HPER R277 Introduction to Therapeutic Recreation [3 cr.]
HPER R272 Recreation Activities and Leadership Methods [3 cr.]
Physio P215 Basic Mammal Physiology [5 cr.]
Program area elective1 [2 cr.]
Restricted elective3 [3 cr.]

Junior Year

First Semester, Total 15 cr.
HPER P397 Kinesiology [3 cr.]
HPER R367 Leisure Program Development [3 cr.]
HPER R378 Techniques of Therapeutic Recreation [3 cr.]
Psy. P324 Abnormal Psychology [3 cr.]
Clas. C209 Medical Terminology [2 cr.]
Program area elective1 [1 cr.]

Second Semester, Total 15 cr.
Educ. M363 Professional Field Experience (Intern) [15 cr.]

Senior Year

First Semester, Total 15 cr.
HPER R466 Management of Leisure Services [3 cr.]
HPER R490 Senior Seminar [2 cr.]
HPER R479 Problems in Therapeutic Recreation [3 cr.]
Psychology elective [3 cr.]
Program area elective1 [4 cr.]

Second Semester, Total 15 cr.
Sociology elective [3 cr.]
Psychology elective [3 cr.]
Restricted elective3 [3 cr.]
Elective [6 cr.]

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.]

12 credit hours to be selected from a minimum of three of the following program areas:
Performing Arts, Arts and Crafts, Sports, Outdoor Recreation.
2Selected from Art, Music, or Theater Appreciation, Literature L101, L102, C255, Religion R160, R170, R180, Folklore F101.
2. **HPER R272**  Recreation Activities and Leadership Methods [3 cr.]
   
   Plus one of the following:
   
   **HPER R265**  Introduction to Public Parks and Recreation [2 cr.]
   
   OR
   
   **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 also offered. The Ph.D. in Human Performance is a research degree with emphases available in Biomechanics, Exercise Physiology, or Sports Psychology. The director's degree is an intermediate degree between the master's and the doctorate.

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.] Doctoral 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 also February 1. This is a highly selective program to which less than twenty applicants are admitted annually.

Graduate Record Examination. Director's and doctoral degree applicants must submit Graduate Record Examination scores in order to be considered for admission. Master's degree applicants having a grade-point average below 2.4 are also required to submit GRE scores before being considered for admission. All foreign applicants regardless of degree being sought, must submit both the GRE and TOEFL scores. Only the aptitude portion of the GRE is required. 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 five years after successful completion of the qualifying examinations.

Advisor. 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 distribution of the transferred credit is determined by the student's Advisory Committee at the time of the formal course prescription meeting.

**Correspondence Courses.** Credit earned in correspondence courses may not be counted toward any advanced degree. Such credit, however, may be used in making up entrance deficiencies.

**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 below C- are not counted toward completion of the requirements for a graduate degree. 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.

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1 For information concerning incomplete grades and withdrawals, refer to the Academic Regulations of this bulletin.
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. There is no assurance that courses taken while on special status will be credited toward a degree if the student subsequently decides to pursue a degree program.

Transient Students. A student in good standing in any recognized graduate school who plans to return to his/her former university, may also be admitted as a special non-degree student. 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 recommendations.

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.1 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 that same area, 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.

Master’s Degree2

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 is currently in Community Health Education and is intended to prepare the health and safety education specialist to serve as a member of the staff of a health department, a voluntary health agency, a professional association, public health service, an international health program such as the Peace Corps or the World Health Organization, or in the capacity of coordinator of a school-community health and safety education program.

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 2.6 [on a 4 point scale]. Conditional admission may be granted to those whose

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

2 For additional information see “General Requirements for Advanced Degrees,” and the HPER Graduate Student Handbook: General Information and Master’s Degree Programs.
undergraduate grade-point average is 2.4 to 2.6. Admission may be granted to applicants whose grade-point averages fall below these minimums if strong Graduate Record Examination scores have been earned.

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.

A candidate for the Master of Public Health degree must be admitted to the Graduate Division of the School of Health, Physical Education, and Recreation and hold a baccalaureate degree with the major in Health and Safety Education or the equivalent, including Biology [9 semester hours], Sociology and/or Anthropology [6 semester hours], Psychology [6 semester hours], Health and Safety Education [12 semester hours]. Applicants who have had two years of approved experience in teaching or some aspect of public health service, will be given preference for admission.

**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, 20 of which must be in the major field [Health and Safety, Physical Education, or Recreation]. [Exceptions: [1] Students admitted to the Athletic Training option are required to complete 27 hours in the area of concentration. Elective hours must be selected from a pool of approved courses. [2] Students admitted to Public Health Education are required to earn 40 semester hours of approved credit.

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.

**Health and Safety Options**
- **Health and Safety:** T590, H510, H516, S559, C591 (or T595).
- **Safety Management:** T590, C591, C512, S557, S559, at least 5 hours from the following: S617, H617, S655, S456, C523, H640, C511, H641, H642, H643, H617.
- **Public Health Education:** T590, C610, C511, C512, H517, C523, C591, C609 and C690 [2-8 hrs.]

**Physical Education Options**
- **Adapted:** T590, P546, P556, P643 [by permission of Instructor], P646, P647, P550.
- **Administration:** T590, P544, T594, T593, P545, Educ A508 (or A608).
- **Athletic Training:** T590, A581, A582, A584, A585, A586, P409 (or P576), A643, (two semesters, totaling 6 credits.)
- **Coaching:** T590, A583, P639, T593, P630, P538, P530.
- **Dance:** T590, T591 (if P493 not taken as undergraduate), P533, P647 [Dance Composition and Production], P647 [Dance and Related Arts], P640, P534.
Elementary: T590, P527 [or P537], P535, P548, P545, P546 (if P398 was not taken as undergraduate), P536 [or P543].

General: T590, P545 [or P544], P547 [or T591 or T595], P538, P530, P548, P546.

Recreational Sports Administration: T590, P540, T594, T593, P643, P539, B531.

Research: T590, T591, P640 [or T599], one course in the Programming of Digital Computers. The remaining 6-8 hours may be selected in the research area of the student’s choice to fulfill the 20 hour major requirement.

Secondary: T590, P537, P546, P545, P538, P548, P540, T595.

Recreation and Park Administration Options


College Union Administration: T590, R500, R520, R580 [or R643] Select 8 hours from: R515, R530, R532, R463, T593, T594. Also, select a minimum of two courses from each of the following areas: Education U544, U546, U548, C565, and Business: (any appropriate courses approved by adviser).

Therapeutic: T590, R520, R500, R560, R561, R562, R563, and R642. Also, select 8-12 hours from related courses in Parks and Recreation, Allied Health, Business, Forensic Studies, Adapted Physical Education, Counseling and Guidance, Special Education, and Psychology.

General: T590, R500, R520, T593. Elect at least one course from each of the following areas: Public Parks and Recreation, Outdoor Recreation, Independent Study, Seminar and Practicum, Therapeutic Recreation.

Recreational Sports Management: T590, R500, R520, P540. Select 8 hours from the following: R515, T593, T594, R463. Also select one course from: R531, R532, R539; one course from: P630, P639, P409; and three courses selected from the School of Business with adviser’s approval.

Health Coordinator Certificate. The following pattern of courses and two years of practical experience qualify one for the certificate of supervision in health education and for special recommendation as health coordinator: H510, H514, H516, H517, and/or H617 (Workshop on problems of Alcoholism, Alcohol Education, and Drug Misuse), C523, C610, H618, S559, T590, T593, and C591 (or T595).

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.

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1 For additional information see “General Requirements for Advanced Degrees," and the HPER Graduate Student Handbook: Director’s Degree Programs.
**Admission.** To be considered for admission, applicants must possess a minimum undergraduate grade point average of 2.6, a graduate grade-point average of at least 3.5, 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 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 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.) HS10, SS59, HS642, or T699, Director of Physical Education (P.E. Dir.) PS44, PS45, PS42, or T699, Director of Recreation (Rec. 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 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 for taking the qualifying examinations, the student must be within one course of finishing course requirements and receive the recommendation of his/her 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 concerned with the delivery of leisure or health related services.

The Ph.D. in Human Performance is a degree specifically designed to prepare candidates for research careers in either academic or non-academic settings. Currently available specialties include biomechanics, exercise physiology, and sports psychology.

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, a small photograph, and GRE scores (aptitude portion) must be submitted.

An applicant who is denied admission may request reconsideration if significant new evidence can be presented concerning his/her 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 writing and evaluating qualifying examinations, cooperating with the chairperson in the 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 course work, (b) successfully complete one of the language/research skill options, and (c) satisfactorily pass the qualifying examinations. The student must have been admitted to candidacy at least six months (8 months for the Ph.D.) before the final oral examination can be conducted.

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

1 For additional information see “General Requirements for Advanced Degrees,” and the HPER Graduate Student Handbook: Doctoral Degree Programs.
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 fall and spring 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. If “option I” is elected by the student, the part of the qualifying examination dealing with research competency may be taken upon completion of T590, T591, and T592. The qualifying examinations may be taken when the student is within one course of completing his/her 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.

**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 thesis credits is reached before the thesis is completed, the candidate must continue to enroll in T790 or P799. 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.

To enroll in HPER T790 or P799, the student must secure a registration card from the HPER Graduate Division. This card should be filled out completely with the course to be taken listed clearly. The card should be sent to the Office of Records and Admissions, Student Services Building, Room 200, within two weeks after a semester has begun if enrolling in-absentia. The fee check, made payable to Indiana University, should accompany the registration card. A receipt for the fee will be returned to the student to indicate that the student has been registered in the course for that semester. Arrangements can be made with the student’s graduate division and the Office of Records and Admissions to preregister in thesis for a maximum of two forthcoming semesters.

**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, collect, analyze, and interpret meaningful data by appropriate research methods, 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 statement of research procedures to be used. If the topic and outline are approved by the chairperson, they are then presented to the candidate’s committee for approval. After approval by the committee the research is conducted under the direction of the chairperson. 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 five 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
3. One signed and one unsigned 350 word abstract (in addition to those included in each copy of the dissertation)
4. An additional title page
5. Signed microfilm contract
6. Signed “Permission to Publish Graduate Thesis in Microform” contract (if desired)
7. Completed “Survey of Earned Doctorate”

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”

A completed “Permission to Publish Graduate Thesis in Microform” contract and an additional bound copy of the dissertation should be submitted by Ph.D. candidates to the Graduate Division, HPER 121. 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 the candidate is recommended for the degree, he 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 by the Graduate School to the University graduate faculty.

Doctoral Seminar. It is recommended that all doctoral students register for the Doctoral Research Seminar (H617, P647, or R667) for at least one semester. Doctoral candidates are expected to present dissertation proposals in this seminar before final consideration is given by the dissertation committee.
Experience. A minimum of two years of approved practical experience is normally required before the doctorate will be conferred. Experience gained as a graduate assistant or lecturer can be counted toward this requirement according to established formulae.

Doctral Degree Special Requirements

H.S.D., P.E.D., and Re.D. Degrees. All candidates for doctorates in Health and Safety, Physical Education, or Recreation must take T590, T591 and T592. Neither these courses nor those required for the language/research tool options will count toward the 30-hour major, but they will count toward total hours.

Each candidate, in addition to a major field of study, 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. A minimum of 15 graduate credits [either minor courses or electives] must be taken outside of the areas of Health, Physical Education, and Recreation. Fifteen semester hours will be granted for the dissertation.

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 T590, 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. Satisfactory completion of HPER T590, T591, T592. Satisfactory completion of the Research Competency Examination

Option II. HP ER T590, T591, T592, and T693 or T691. T693 or T691 is taken in lieu of the Research Competency Examination. [When T693 or T691 is used in this manner, it cannot be counted in the hours for the major, minor, or total hours.]

Option III. HPER T590, T591, T592, and one research skill from the following:
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.
Instructional Systems Technology: Educ. R543, R544, and R574, or R577
Computer Science: C.Sc. C307 and C335 [Note: Prerequisite of C201 is necessary]

Ph.D. In Human Performance

The Ph.D. in Human Performance is a research degree especially designed to prepare graduates for careers in fields devoted to the study of human physical activity from a variety of perspectives. Currently available specialties include biomechanics, exercise physiology, sports psychology, and leisure behavior.

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1 Equivalent courses may be acceptable but must receive prior approval from the Associate Dean for Graduate Study.
2 For additional information see Graduate School Bulletin.
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 understanding of the field, a working knowledge of research techniques that may be applied to problems in his area of interest, preparation in depth in the human performance area, and an understanding of a cognate field.

**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. However, it should be recognized 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 course work taken in the areas of biomechanics, exercise physiology, growth and development patterns, motor learning, motor skill performance, and sports psychology. Courses taken for Ph.D. credit must be approved by the Graduate School and listed in the Graduate School Bulletin.

The pattern of distribution of the total number of minor hours is flexible. However, provision must be made for at least one minor (12-15 hours) in a department outside the School of Health, Physical Education, and Recreation.

Example of a typical program is illustrated below:

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).

A list of the courses acceptable for credit in the Human Performance major area can be found in the Graduate School Bulletin under the section devoted to the School of Health, Physical Education, and Recreation.

**Language and Research Skill Requirement**¹ A candidate for the Ph.D. degree in Human Performance must select one of the following language/research skill options.

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 from the Graduate School to substitute another language for this requirement. Foreign students will not be permitted to use their native languages in

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¹ Other courses may be approved to meet these requirements if adequate justification can be provided.
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
   c. Instructional Systems Technology: Educ. R544, R574, R555, R558
   e. Computer Science: C Sci C343, C355 [Note: Prerequisite of C307 or C335 is necessary.]

3. **Research Skill Option.** Appropriate research skill courses described below for a total of at least 9 hours credit.¹

   a. Electronic Techniques: Physics P302, P421, P431
   b. Mathematics: M360, M463, M467, M303, M311, M371, M313
   d. Educational Statistics: (6 credit hours) Educ Y603 and Y604
   e. Computer Science: C Sci C335, C343 [Note: Prerequisite of C307 or C335 is necessary]

¹Other courses may be approved to meet these requirements if adequate justification can be provided.
Courses in the School of Health, Physical Education, and Recreation, 1982-84

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.

Hazard Control

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 profession 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 the Occupational Safety and Health construction standards and interpretations as they apply to 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 safety 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.

Health and Safety Education

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.

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.

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.

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.

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, car procurement, scheduling, public relations, maintenance, pedestrian protection, skill exercises, road training. Students teach beginners. Chauffer’s license required.

S457 Industrial Safety Education (3 cr.) Basic principles of accident prevention as applicable to business and industry. Class discussions, case study method, visitations to local industrial plants. Human engineering aspects of accident and loss prevention.
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 only to juniors, seniors, and graduate students that will be completing certification in the field of driver education.

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.

C490  Field Experience in Public Health Education (2-8 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.

H490  Critical Issues 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. Admissions by invitation only.

H499  Research in Health and Safety Education (cr. arr.)  Undergraduate research done in the field of health and safety under a faculty adviser in the department.

H510  Organization and Administration of the School Health Program (3 cr.)  Public health laws relating to schools, cooperation and coordination of community agencies, environmental factors, school health services, health instruction, evaluation of program.

C511  Epidemiology (3 cr.)  A nonmedical introduction to epidemiological approach in public health. Consideration of selected communicable and noncommunicable diseases of special concern in public health practice with emphasis on role of education in disease control.

C512  Environmental Health Science (3 cr.)  Principles of environmental health and public health sanitation; elements of microbiology and communicable disease control, water supply, sewage treatment and stream pollution control, food and drug control standards, insect and rodent control, miscellaneous environmental hazards such as air pollution, radiological health, industrial hygiene, solid waste disposal.

H513  Problems in Content and Method in Health Education (2 cr.)  For experienced health educators. Information, with experimental and other forms of research, on content of instruction at various levels. Suitability of method as determined by need, interest, and comprehension ability.

H514  Health and Safety Education in the Elementary School (3 cr.)  New teaching approaches to health instruction for elementary teachers. Emphasis on first-aid, health fairs, school museums, health methodology, system analysis, and health content.

H516  Health Education Curriculum (3 cr.)  Organization and development of school health education curriculum and consideration of courses of study, discrimination between curriculum and course of study; techniques for course of study construction. Laboratory work.

H517  School and Community Health Workshop (3 cr.)  Interrelations and interactions of school and community health programs are considered. Presentations by outstanding authorities from throughout Indiana and other states regarding critical health topics.

1May be taken for graduate credit
Planned for teachers, nurses, physicians, public health personnel, and voluntary health personnel.

**H519 Problems and Issues in Health (3 cr.)** Health aspects and health education implications of current problems and issues, including smoking, alcohol and drugs, venereal disease, and other critical health problems. Lectures by leading authorities in cooperation with state voluntary and official health agencies.

**C523 Community Health Organization and Administration (3 cr.)** Organizational structure and functions of public health program; considers official health agencies, nonofficial health agencies, professional associations, sponsored agencies, civic and service clubs; how health agencies meet public needs.

**S557 Public Health Accident Control (3 cr.)** P: a safety course and HPER C511. Designed with emphasis on epidemiology of accidents and accidents as a national problem; combination of such forces as the host, agent, and environment studied as contributing factors in accident causation; programs of voluntary and official community health and safety agencies analyzed to determine how they can effectively serve in conservation of human resources.

**S559 Administration and Supervision of Safety Education (3 cr.)** Basic principles of safety education with emphasis on administrative and supervisory practices. Organization of specific accident prevention and injury control methods applicable to elementary and secondary school pupils. Human factors analyzed in accident causation related to the school and community, including hazard control technology in school management.

**C591 Public Health Statistics (3 cr.)** Designed to acquaint the public health educator with collection, organization, and interpretation of data pertinent to public health and vital statistics; includes introduction to statistical methods, population data, mortality and morbidity rates, ratios and life tables.

**C609 Public Health Education (3 cr.)** P: HPER H510 and C523. Stresses group communications such as skillful writing, effective speech, use of various communications media; applies principles and procedures of group and intergroup dynamics to work of voluntary and official health agencies in the health education of the public.

**C610 Coordinating the Health Program in the School and Community (3 cr.)** Functions of health coordinators in coordination of healthful living, health service, and health instruction; school and community health programs; relationship of health agencies; use of school health committees and community councils.

**H617 Seminar in Health Education (1-3 Cr.)** Problems in the field of health and safety education.

**H617 Seminar in Health Education [Alcoholism, Alcohol Education, and Drug Misuse] (3 cr.)** Workshop planned especially for teachers, social workers, nurses, physicians, law enforcement personnel, and clergymen; program includes lectures and discussion of physiology of alcohol, sociological, medical, and psychiatric aspects; theological and legal problems; drug use and misuse; educational principles related to teaching and counseling in these problem areas.

**H617 Seminar in Health Education [Medical Self-Help and Disaster Preparedness] Instructor's Course (3 cr.)** Up-dates teachers, administrators, and other school personnel in the new concepts of emergency care and family survival. Reviews medical self-help and the Personal and Family Survival courses as offered by Civil Defense. Offers American Red Cross Instructor's Training Material and gives Standard First-Aid and Personal Safety Instructor certification to those qualifying.

**S617 Seminar in Safety Education (1-3 cr.)** Selected topics in safety education.

**H618 School Health Surveys (3 cr.)** Techniques and standards in making surveys of healthful school living policies, health service, health instruction. Survey of a school health program.

**H640 Independent Study and Research (cr. arr.)** Independent research conducted under guidance of a graduate faculty member.

**H641 Readings in Health Education and Safety Education (cr. arr.)** Guided readings for broadening information and understanding of the profession. Restricted to advanced master's and director's candidates.

**H642 Internships in Health Education and Safety 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.
H643 Practicum in Health Education and Safety Education (cr. arr.) Practical field experience under supervision and seminar discussions. Grading for this course should be Pass-Fail basis.

S655 Problems in Driver Education and Highway Safety (3 cr.) Administrative problems in high school driver education and highway safety program, advanced driving skills, road testing, traffic surveys, evaluation of research studies, need for additional research, review of adult driver education needs.

C690 Field Experience in Public Health (2-8 cr.) Practical experience in public health education through assignment to a public health department, voluntary health agency, or equivalent agency in field of health and safety education. Project report required.

H740 Advanced Research in Health Education and Safety Education (cr. arr.) Independent research by directorate or doctoral candidate.

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 relationships 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 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 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 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 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 psychology. Home meet organization and management.

A365 Coaching of Wrestling (1 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, escapes, reversals, pinning combinations, and counter maneuvers for each, interpreting and insuring proper use of amateur wrestling rules.

A366 Coaching of Gymnastics (1 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.

1Required of freshmen with emphasis in athletic training.

2Open only to students with emphasis in athletic training.
A367 Coaching of Swimming and Diving (1½ cr.) P: WSI Certificate or permission of instructor. Theory and methods of coaching swimming and diving covering technical, administrative, and organizational aspects involved in 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 involved in the process. Emphasis placed on fundamentals, tactics, conditioning, and conduct of practice sessions.

A369 Coaching of Golf (1½ cr.) P: HPER P230 or permission of instructor. Theory and methods of coaching golf covering technical, administrative, and organizational aspects involved in the process. Emphasis on skill analysis, error identification and correction, special golf shots, and strategies for playing the course.

A370 Coaching of Soccer (1½ cr.) P: HPER P122/Soccer or permission of instructor. Theory and methods of coaching soccer covering technical, administrative, and organizational aspects involved in the process. Emphasis on execution of advanced skills and team offense and defense patterns, conditioning the player, and organizing practice sessions.

A371 Coaching of Volleyball (1½ cr.) P: HPER P122/Volleyball or permission of instructor. Theory and methods of coaching volleyball covering technical, administrative, and organizational aspects involved in 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 sports 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.

1 Required of athletic training students and open also to HPRE students above freshman level with permission of the instructor.

2 Open only to students with emphasis in athletic training.

3 Required of freshmen with emphasis in athletic training.
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 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 graduate 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 Training (1 cr.) A presentation of basic rhythm theory using 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, as well as 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.

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 mediums. 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 (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, costuming, 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.

P322 Teaching of Individual Sports (2 cr.) P: HPER P121 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.

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: PHSI 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.

P527 Growth and Physical Performance of the Pre-School and Elementary School Child (3 cr.) P: Psychology P316 or equivalent to Psychology of Childhood and Adolescence or its equivalent. A study of the physical development and characteristic reactions of children, pre-school and elementary, in relation to movement and performance. Identification of the special needs of children as related to performance skills. Integration of human performance with physical activity in learning environments.

P530 Advanced Theories of High Level Performance (3 cr.) A study of experimental and empirical theories of high level performance, including means of acquiring physiological endurance. Presentation of fluid mechanics.

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.) Games, rhythms, self-testing activities appropriate to physiological, psychological, and emotional development. Organization of the program, scheduling of classes, allocation of facilities and equipment. For specialists in physical education, classroom teachers, elementary school administrators.

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.) P: HPER P535 or equivalent. Study of effects of experiences in complex movement patterns on growth and development of junior high school student.

P538 Mechanical Analysis of Human Performance (3 cr.) P: HPER P397. Analysis and measurement of human performance; theories of performance; examination of mechanical principles; individual studies.

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

P540 Recreational Sport Programming and Administration (3 cr.) The study of informal sports, intramural sports, extramural sports and club sports relevant to their historical development, philosophical foundations, administrative considerations, institutional designs, program techniques and methods, personnel training and management, sport facility development management, public and human relations, legal concerns, psychosocial implications, participants, development, and sport programming observations.

P543 Supervision in Physical Education (3 cr.) Principles, problems, relationships, procedures in supervision of physical education.

P544 Administration of Physical Education (3 cr.) Principles, problems, procedures for administering a city physical education program from viewpoint of city director or school administrator.

P545 The Physical Education Curriculum (3 cr.) Principles, problems, procedures in development of physical education curriculum; developing a course of study in physical education for a chosen situation.
PS46 Movement Performance of the Exceptional Child (3 cr.) Movement performance of the exceptional child appraised; consideration given to study of characteristics of physically and mentally handicapped children and their limitations in movement performance and adaptations in physical activities. Means of assessing performance of handicapped children is included.

PS47 Measurement and Evaluation in Physical Education (3 cr.) Theory of measurement in health and physical education, selection and administration of appropriate tests, interpretation of results by statistical procedures. Project required to apply theory involved.

PS48 The Nature and Basis of Motor Skill (3 cr.) Factors that make for successful motor performance; review of available psychological data as applied to problems of motor performance.

PS49 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.

PS50 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.

ES55 Methods in Three Arts: Art, Dance, Music (K-12) (3 cr.) A creative approach to teaching art, dance, and music. Includes theory and experience in presenting the three arts through team teaching, with lectures and laboratory opportunities.

PS56 Problems in Adapted Physical Education (3 cr.) P: PS46 or its equivalent. A study of problems as they relate to philosophy, procedures, and practices in Adapted Physical Education.

PS76 Advanced Physiology of Exercise (3 cr.) P: Phsl. PS75. 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 relationship 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 emphasizes 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: PS38 or equivalent. Analysis of selected research in biomechanics, use of cinematographic and other techniques for study of human performance, individual studies.

P639 Psychological Aspects of Sports (3 cr.) Study of psychological factors affecting sports competition; principles of motor learning and performance applied to participation in sports activities, special projects.

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. Restricted to advanced master’s and director’s candidates.

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 Pass-Fail basis.
P646 Rehabilitation of 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.

P740 Research in Physical Education (cr. arr.)

P741 Readings in Human Performance (2-5 cr.) Advanced readings in one or more of the areas in physical education including biomechanics, physiology of exercise, and sports psychology, 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.

P799 Ph.D. Thesis (25-30 hrs.)

Physical Education

Elective Program

E102 Aerobic Dance (1 cr.) Course is a total fitness class which emphasizes cardiorespiratory conditioning, flexibility, muscular endurance, and coordination through rhythmical 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 AAHPER. 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 fad dances.

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 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, take-off, 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 epee.

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 I (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.

E153 Lacrosse (1 cr.) Instruction in basic skills of throwing, catching, cradling, stack 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 firearms 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.

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 take downs, escape, 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 flocks, 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 II (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 all 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-hole 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 gaits 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.

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 including management and public relations, organizing and sponsoring horse shows, and physical and psychological behavior of horses. Must be taken concurrently with E443, Stable Management I.

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.
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.

R265 Introduction to Public Parks and Recreation (2 cr.) P: R160. Role of public agencies in parks and recreation with an orientation as to local, county, regional, state, and federal agencies’ responsibilities for parks and recreation.

R266 Management of Park and Recreation Facilities (3 cr.) Introduction to the principles and practices of operating park and recreation systems with an emphasis on management of playgrounds, golf courses, swimming pools, and sports centers.

R267 Management of Park and Recreation Facilities II (3 cr.) P: R266. Principles and practices of managing community centers, artificial ice rinks, marinas, and beaches, and other related facilities.

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.) 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.) 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.

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.

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 S-F grades given.

R466 Management of Leisure Services (3 cr.) P: Educ. M363. 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.) 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: Educ. M363. 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: Educ. M363. A culmination 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.

R510 Focus: Recreation in Special Settings (1-3 cr.) Course content will focus on different current problem settings (i.e., inner city, rural recreation, community organization, industrial recreation).

R515 Special Concerns in Parks and Recreation (cr. arr.) Short term seminar for graduate students in recreation utilizing outstanding authorities in parks and recreation as visiting lecturers.

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.

R530 Surveys and Comprehensive Planning (3 cr.) Analysis and development of recreation surveys and comprehensive plans at federal, state, regional, and community levels. Emphasis on planning elements and techniques, data sources, standards, interpretation, and preparation of survey and planning reports. Opportunity for practical application of techniques.

R531 Design and Development of Park and Recreation Areas (2 cr.) P: R530 or permission of instructor. Park and recreation area layout, design, and guidelines for facility development. Landscape analysis, program applications, site inspections, and preparation of park and recreation area development plans.

R532 Operation and Maintenance of Park and Recreation Facilities (3 cr.) Management, operation, and maintenance of park and recreation areas and facilities.

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.

R540 Outdoor Recreation (3 cr.) Survey of the dynamics of outdoor recreation in American life. Programs, trends, resources, elements of demand, administration, research, planning, and interpretation. Intensive examination of selected public policy issues in outdoor recreation through small group seminars and individual study.

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 Education (3 cr.) History, theory, and philosophy of outdoor education. Examination of school and community programs for various age levels. Opportunity to observe and participate in outdoor education experiences.
R543 Programming in Outdoor Education (3 cr.) Study of camping and outdoor education programs of schools and voluntary agencies. Primary emphasis on program content and method.

R550 Natural Resource Management (2 cr.) Principles and practices of natural resources management applicable to parks and recreation. An opportunity for students to develop an understanding of and appreciation for man's dependence on his natural surroundings, and to recognize the critical role the natural environment plays in satisfying the leisure requirements of man.

R552 Recreation Resource Economics (3 cr.) An introduction to economic and institutional factors which affect the acquisition, planning, development, allocation, and management of resources for recreation purposes. Designed for recreation students with a limited background in economic studies.

R560 Professional Development for Therapeutic Recreation (3 cr.) Contemporary principles and understandings for the delivery of therapeutic recreation service for 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 recreation 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.

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

R600 Psychological and Sociological Aspects of Leisure (3 cr.) Depth investigation of leisure as it relates to individual and group living in present and predicted communities. Seminar experience for post-master's students. Prerequisite R500 or consent of instructor.

R602 Current Issues in Recreation (cr. arr.) Seminar on current issues in parks and recreation. For advanced graduate students only.

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 permission of instructor.

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.

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.
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 Business Procedures for the Administrator of Health, Physical Education, and Recreation (3 cr.) - P: Administration Course (HPER) or permission of instructor. Techniques in budgeting, office management, auditing, management of funds, accounting, records and reports, purchasing, and other business procedures pertinent to administrators.

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 (5 cr.)

T691 Correlational Techniques (3 cr.) - P: HPER T592. An introduction to linear regression and correlation, other measures of relationship, and multiple regression and correlation.

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 (4-8 cr.)

T790 Doctor's Thesis in Health, Physical Education, or 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, 1981-82

Emeritus
BOOKWALTER, KARL W., Professor Emeritus of Physical 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
DANE, C. WESLEY, Assistant Professor Emeritus of Health and Safety Education
DAUGHERTY, JOHN B., Professor Emeritus of Physical Education
EPPLEY, GARRETT G., Professor Emeritus of Recreation and Park Administration

Faculty
ALBOHM, MARJORIE JEAN, M.S. (Indiana State University, 1973), Athletic Trainer, and Instructor Part-time of Physical Education
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
ANDRES, ERNEST H., JR., M.S. in P.Ed. (Indiana University, 1952), Assistant Professor of Physical Education
AUSTIN, DAVID R., Ph.D. (University of Illinois, 1973), Associate Professor of Recreation

BAER, CHARLES I., 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

FOX, JANE, Associate Professor Emeritus of Physical Education
HESTER, MRS. 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
MUNRO, EDNA F., 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

BARHAM, THOMAS E., M.S. (Indiana University, 1980), Coordinator of Outdoor Education Programs, and Lecturer Part-time in Recreation and Park Administration
BAYLESS, KATHRYN, M.S. (Indiana University, 1974), Assistant Director of Club and Informal Sports
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
BILLINGSLYE, 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
BRENNAN, WILLIAM T., H.S.D. (Indiana University, 1970), Associate Professor of Health and Safety Education, and Associate Professor Part-Time of Education

BROWN, DONALD J., Re. Dir. (Indiana University, 1976), Assistant Director of Bradford Woods, and Lecturer Part-time in Recreation and Park Administration

BROWN, JAMES R., Ed.D. (Indiana University, 1973), Head Gymnastics Coach, and 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

BURRELL, SANDRA K., Ph.D. (The University of Michigan, 1974), Associate Professor of Physical Education

CARLSON, RONALD P., P.E.D. (Indiana University, 1971), Assistant Professor of Physical Education, and Assistant Professor of Education

CARTER, MARCIA JEAN, Re.D. (Indiana University, 1976), Director of Special Populations (Bradford Woods), and Assistant Professor of Recreation Part-time

CATO, BERTHA M., Re.D. (Indiana University, 1981), Special Assistant to the Dean for Recruitment and Minority Affairs, and Assistant Professor of Recreation and Park Administration

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), Chairperson of Physical Education, and Professor of Physical Education

COATES, JEFFREY L., M.S. (University of South Carolina, 1981), Assistant Director of Lifetime Sports

COOPER, JOHN M., Ed.D. (University of Missouri, 1946), Professor of Physical Education

CORRADO, RONALD H., M.Ed. (Miami University, 1963), Assistant Football Coach, and Instructor of Physical Education

CORSO, LEE R., M.S. (Florida State University, 1958), Head Football Coach, and Associate Professor of Physical Education

COUNSILMAN, JAMES E., Ph.D., (University of Iowa, 1951), Swimming Coach, and Professor of Physical Education

COWINS, 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

DAVIES, EVELYN A., Ed.D. (Teachers College, Columbia University, 1950), Professor of Physical Education

DAVIS, JENE F., M.A. (Ohio State University, 1971), Lecturer in Physical Education

DEPPE, THEODORE R., Re.D. (Indiana University, 1953), Chairperson of Recreation and Park Administration, and Professor of Recreation

DOBA, WILLIAM A., M.S. (Western Michigan University, 1970), Assistant Football Coach, and Instructor of Physical Education

ENDWRIGHT, JOHN R., M.S. (Indiana University, 1947), Professor of Physical Education

ENG, RUTH L. C., Ed.D (University of Tennessee, 1973), Associate Professor of Health and Safety Education

ESCHILSEN, LEE A., B.S. (Bowling Green State University, 1980), Interim Coordinator Informal/Club Sports

FINCH, HELEN A., M.S. (Pennsylvania State University, 1977), Visiting Lecturer and Project Coordinator of Recreation and Park Administration

FITZ, 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 Associate Professor of Physical Education

GARL, 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

GREER, H. SCOTT, Ed.D. (Columbia University, 1969). Associate Professor of Physical Education

HAMM, GWENDOLYN ANN, M.S. (Indiana University, 1972). Associate Professor of Physical Education

HAVEN, BETTY H., P.E.D. (Indiana University, 1977). Assistant Professor Part-time of Physical Education

HENSEN, PHILLIP 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). Coordinator of Facilities, 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

JASTREMSKI, 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 Assistant 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

LEWIS, BRIAN, M.S. (Indiana University, 1974). Assistant Athletic Trainer, and Part-time 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

MacLEAN, JANET R., Re.D. (Indiana University, 1959). Director, Center on Aging and Aged, and Professor of Recreation

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

McMINN, WILLIAM PATRICK, M.S. (Southern Illinois University, 1978). Interim Coordinator of Team Sports

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). Associate Professor of Recreation

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). Associate 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

PETEerson, JAMES A., M.S. (Indiana University, 1951). Professor of Recreation, and Specialist in Parks and Recreation, Indiana-Purdue Universities

PIERCY, ROBERT T., 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

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). Assistant Director, Intramural Team Sports, and Assistant Professor Part-time of Recreation

ROSS, JOHN M., M.S. (Indiana University, 1963). Director of Planning and Resource Development, and Assistant Professor of Recreation

RUSSELL, RUTH V., M.S. (Pennsylvania State University, 1973). Visiting 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, 1975). 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 of Quantitative Business Analysis, and Associate Director of Leisure Research Institute

SHEMEN, CLARENCE, B.S. (University of Houston, 1977). Associate 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

SHUCK, JAMES L., M.S. (Indiana University, 1978). Assistant Football Coach, and Instructor of 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

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

WATTTS, MORRIS W., M.S. (Kansas State College, 1964). Assistant Football Coach, and Instructor of Physical Education

WAYNE, JOSEPH E., III, Ed.D. (Indiana University, 1977). Assistant Professor of Health and Safety Education

WILKERSON, JAMES E., Ph.D. (University of Oregon, 1970). Associate Professor of Physical Education

WRIGHT, JOBY, B.S. (Indiana University, 1980). Assistant Basketball Coach Part-time, and Lecturer Part-time in Physical Education

YEEGLE, 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 fifty 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 Counseling Center, 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 for Student Services.

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. I.U. 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 state 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.

Fees

Credit hour fees listed here were approved at the June 1981 meeting of the Trustees of Indiana University. Credit hour and special fees are subject to change by action of the Trustees.

<table>
<thead>
<tr>
<th>BLOOMINGTON CAMPUS</th>
<th>Indiana resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate(^1)</td>
<td>$38.50/credit hour</td>
<td>$104/credit hour</td>
</tr>
<tr>
<td>Graduate(^1)</td>
<td>$50/credit hour</td>
<td>$131.50/credit hour</td>
</tr>
<tr>
<td>Professional:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>School of Law</td>
<td>$50/credit hour</td>
<td>$131.50/credit hour</td>
</tr>
<tr>
<td>School of Optometry</td>
<td>$50/credit hour</td>
<td>$131.50/credit hour</td>
</tr>
<tr>
<td>Medical [combined degree]</td>
<td>$50/credit hour</td>
<td>$131.50/credit hour</td>
</tr>
<tr>
<td>Medical [flat fee]</td>
<td>$1250/semester</td>
<td>$3000/semester</td>
</tr>
</tbody>
</table>

\(^1\) Includes Continuing Studies credit courses.
<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thesis enrollment</td>
<td>$50/semester</td>
</tr>
<tr>
<td>Auditing (no credit)</td>
<td>$131.50/semester</td>
</tr>
<tr>
<td><strong>Special fees (in addition to basic fees)</strong></td>
<td></td>
</tr>
<tr>
<td>Application for admission</td>
<td>$10 per hour</td>
</tr>
<tr>
<td>United States</td>
<td>$20</td>
</tr>
<tr>
<td>Foreign</td>
<td>$30</td>
</tr>
<tr>
<td>Student Activity Fee²</td>
<td>$4 or $8.25 per semester</td>
</tr>
<tr>
<td></td>
<td>$2 or $4 per summer session</td>
</tr>
<tr>
<td>Applied music (majors)³</td>
<td>$70 per semester</td>
</tr>
<tr>
<td>Applied music (nonmajors)³</td>
<td>$70 per course</td>
</tr>
<tr>
<td>Education early experience¹</td>
<td>$17 per course</td>
</tr>
<tr>
<td>Education placement service</td>
<td>$6</td>
</tr>
<tr>
<td>Business placement service</td>
<td>$20</td>
</tr>
<tr>
<td>Education practicum⁵</td>
<td>$34 per course</td>
</tr>
<tr>
<td>Education student teaching⁶</td>
<td>$60 per course</td>
</tr>
<tr>
<td>Late enrollment or re-enrollment⁷</td>
<td>$30 to $60</td>
</tr>
<tr>
<td>Late program change</td>
<td>$15 to $60</td>
</tr>
</tbody>
</table>

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 $250 per applied music course.

⁴ Students enrolled in any of the following Education courses will be assessed a $17 fee per course:

- Elementary Licenses
  - Early Childhood: P249, E339, E335, E336, E337
  - Kindergarten/Primary: P249, E339, E342, E341, N343
  - Elementary: P251, E339, E325, E341, E343

- Junior High/Middle School: P252, M312, M461
- Secondary: P253, M313 or M130, M462
- All Grades: P254, M313, M462, or M130 or M336
- Special Education: E339, K380, E343

- Special Endorsements:
  - Kindergarten: E336
  - Junior/Middle: M461
  - Bilingual/bicultural: L441
  - Ethnic/cultural: T410
  - Coaching: HPER 450
  - 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 $34 fee per course per semester. The practicum fee of $34 is also assessed for the following courses: G547, G647, K495X, P310, P311, P410, P411, P518, P519, P591, P592, P595, P596, P691, P692, P694, P699, R473, X425.

⁶ Students enrolled in Education courses M423, M424, M425, M451, M480, M482, M486, and/or M363 will be assessed $60 per course per semester.

⁷ At Bloomington, a $30 late fee will be in effect upon conclusion of fieldhouse registration through the end of the third week of classes. Late registrations after the third week of classes will be assessed a late fee according to the following graduated schedule: Week in which the registration is processed:
  - Week 4—$40
  - Week 5—$50
  - Week 6—$60.
Special exam
Laboratory *
Recital fee [Music] *
Health Service fee [optional] *
HPER courses: Billiards, bowling, golf, and horsemanship

Microscope fee [Medical Science courses only]
Deposits [to cover loss or damage]:
Band
Singing Hoosiers
Chemistry [for G343, C344, S343, and S344 courses only]
Lockers [Ballantine, Law, Music, and Woodburn buildings]

Rentals:
Lockers HPER building
Locker, Business School
Music instrument [for nonmusic majors]
Practice room [limit to 1 hour per day]
[above practice room rental not charged if applied music fee is paid]

Independent Study [Correspondence]
Undergraduate courses [residents and nonresidents]
High school level courses

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

INDIANAPOLIS CAMPUS
Undergraduate
Graduate and professional
Medical [flat fee]
Dentistry [flat fee]
Thesis enrollment
Auditing [no credit]

$34.50/credit hour
$50/credit hour
$1250/semester
$900/semester
$50/semester
$10/credit hour

$30 per semester
$10
$25
$5 deposit, $1 to $1.50 rent deducted per semester

$6 per semester
$5 for combined summer sessions
$4 per semester
$30 per semester
$15 per semester

$32.50 per credit hour
$29 per half unit course

$85/credit hour
$131.50/credit hour
$3000/semester
$2250/semester
$131.50/semester

* Students, except at IUPUI, who are enrolled in the following laboratory courses will be assessed a laboratory fee of $12 per course per semester:
  Biology: L100, L105, Q201, B205, M315, Z316, B369, & Z450
  Chemistry: C121, C122, C125, C126, C343, & C344
  Physics: T100, P101, P201, P202, P221, & P222

* Recital fee in music for one-page program is $15, for two-page program $25. The fee for recording the recital is an additional $20.

* Students enrolled in 7 or more credit hours per semester will be assessed $19. Students enrolled in 6 or less credit hours per semester will be assessed $38.
Special fees (in addition to basic fees)

Application for admission
  United States $20
  Foreign $30
Laboratory $5/contact hour
Nursing clinical $5/credit hour
Late program change $15
Activity $2.50/semester
Late enrollment or re-enrollment\textsuperscript{11}
  First week-third week of classes $15
Deferred fee service charge $5

Fee Refund Schedule

<table>
<thead>
<tr>
<th>Fall and Spring Semesters</th>
<th>Refund for Withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>First week or through Drop/Add</td>
<td>100%</td>
</tr>
<tr>
<td>During 2nd week of classes</td>
<td>75%</td>
</tr>
<tr>
<td>During 3rd week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>During 4th week of classes</td>
<td>25%</td>
</tr>
<tr>
<td>During 5th week of classes and thereafter</td>
<td>Nothing</td>
</tr>
</tbody>
</table>

Summer Sessions - 6 weeks

<table>
<thead>
<tr>
<th></th>
<th>Refund for Withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>First week or through Drop/Add</td>
<td>100%</td>
</tr>
<tr>
<td>During 2nd week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>During 3rd week of classes and thereafter</td>
<td>Nothing</td>
</tr>
</tbody>
</table>

PROCEDURE

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

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.

\textsuperscript{11} 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.
Fee Reductions and Financial Aid

Scholarships and Financial Aid. Students can find information about loans and part-time employment through the Office of Scholarships and 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. Fees for a full-time [100% F.T.E.] appointed employee of Indiana University enrolled in 1 to 6 credit hours per semester or summer session are assessed at one half the resident credit hour rate at the campus where the employee enrolls. Fees for credit hours beyond 6 in a semester or summer session are at the full resident rate.

The spouse of a full-time [100% F.T.E.] appointed employee of Indiana University is entitled to a fee credit of one half the resident undergraduate fee rate for each credit hour up to a maximum of 3 credit hours per semester or summer session. This fee credit will be deducted from the full fees of the student assessed at the appropriate resident or nonresident rate.

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

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Fall &amp; Spring Semesters</th>
<th>IUPUI Summer I</th>
<th>IUPUI Summer II</th>
<th>Bloomington Summer II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>full</td>
<td>12 or more</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>¼</td>
<td>9-11</td>
<td>3</td>
<td>3</td>
<td>4-5</td>
</tr>
<tr>
<td>½</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>
<tr>
<td>Graduate Benefits</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>full</td>
<td>9 or more</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>¼</td>
<td>7-8</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>½</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, transfer 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 unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.

(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 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.
ALUMNI ASSOCIATION OF THE
SCHOOL OF HEALTH, PHYSICAL EDUCATION,
AND RECREATION

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