INDIANA UNIVERSITY ACADEMIC PROGRAMS

- College of Arts and Sciences
  School of Journalism
- School of Business
  School of Continuing Studies
- School of Dentistry
- School of Education
  Division of General and Technical Studies
- Graduate School
- School of Health, Physical Education, and Recreation
- Herron School of Art
- School of Law—Bloomington
- School of Law—Indianapolis
- Graduate Library School
- School of Medicine
  - Division of Allied Health Sciences
    Division of Postgraduate and Continuing Education
- School of Music
- School of Nursing
- School of Optometry
- School of Physical Education
- School of Public and Environmental Affairs
- School of Social Work
- Summer Sessions
- University Division

Bulletins for the divisions of the University marked ( • ) above may be obtained from the Office of Records and 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.)

Write directly to the individual regional campus for its bulletin.

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1 Two bulletins are issued: graduate and undergraduate.
2 Brochures on the Independent Study Division, Bureau of Public Discussion, Labor Education and Research Center, and Real Estate Continuing Education Programs are available from this School [Owen Hall].
3 Information concerning programs of the Division of General and Technical Studies may be obtained from the Division office, 317 East Second Street, Bloomington, Indiana 47405.
While every effort is made to provide accurate and current information, Indiana University reserves the right to change without notice statements in the Bulletin series concerning rules, policies, fees, curricula, courses, or other matters.
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DAVID L. GALLAHUE, Ed.D., Assistant Dean for Research and Development
### Calendar, Bloomington Campus

The calendar as printed is subject to change. Check the Schedule of Classes for official calendar.

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\(^1\)9:30, 10:30, 11:30, and 12:30 classes do not meet.
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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, a staff member of the Indiana Higher Education Commission, 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 Ludwig

Professor Loft, Associate Professors Bowers, Brennan, Doty, Assistant Professors Crowe, Engs, Merolla, Piercy, Wayne; Lecturer Sharpless, Professional Staff in Hazard Control Dohlgren, Lukchuk, Paddock, Pantaleoni, Pfeifer, Rex, Ruark, Stone, Weber

This Department is concerned primarily with the professional preparation of workers 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. The Center for Safety Studies, a division of this Department, 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, business, and/or industries.

In addition, the Hazard Control Program has recently come under the aegis of this department. The Hazard Control Program provides educational support and services to the Navy Safety School located in the Poplar Research Center.

Department of Physical Education

Chairperson: Professor Aldrich

Professors Cooper, Counsilman, Cousins, Daugherty, Davies, Endwright, Leyhe, Miller, Ryser, Slater-Hammel, Strong, Updyke; Associate Professors Belisle, Billingsley, Bruce, Burris, Corso, Gallahue, Greer, Morris, Remley, Summers, Watson, Assistant Professors Andrews, Bell, Blubaugh, Bopp, Brown, Burns, Carlson, Fitch, Hamm, Hope, Johnson, Knight, McAuley, Mindheim, Mull, Newberg, Sherwin, Snygg, Wilkerson, Windell, Yeagley, Instructors Albohm, Coachys, Cummins, DalSasso, Doba, Hicks, Lawrence, Lucas, Mauro, Neel, Otolski, Pagani, Shands, Walters, Watts, Young; Lecturers Barry, Crews, Davis, Fox, Lewis, Noble, Schrader, Schulz

The undergraduate curriculum within the Department includes the elective physical education program and the professional preparation program.

The elective physical education program is open to major students and students in other departments and/or schools on the Bloomington campus. A wide variety of elective courses are offered in aquatics, dance, the martial arts, and sports. These courses are based on either two periods a week for 1 hr. of credit each semester or four periods per week for 8 weeks for 1 hr. of credit.

Professional and technical instruction for students in the major program is built around aquatics, athletics, conditioning, dance, gymnastics, the martial arts, and sports. Laboratory experiences are provided in coaching, officiating, and judging. Such experiences are also available in supervision, officiating, and organizational management in recreational sports.
Department of Recreation and Park Administration

Chairperson: Professor Deppe

Professors MacLean, Mobley, Rillo; Associate Professors Christie, Lawson, Martin, Meyers, Peterson; Assistant Professors Anderson, Austin, Ross, Wilson; Instructor Powell; Lecturers Beeler, Benson, Binkley, Keller, Sharpless, Wolfe

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. Five options are offered for M.S. students: Public Parks and Recreation, Outdoor Recreation, College Union Administration, Therapeutic Recreation, and General Option.

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, Jordan, Coordinators Dusing, Patterson, Ross

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.
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 $15 application fee (applicants who previously attended Indiana University are exempt from this fee.) Applicants are also requested to include a small photograph. Credentials submitted for admission become the property of the University and will not be returned to the applicant.

Students applying for entrance into doctoral programs, should submit credentials at least three months prior to the anticipated date of enrollment. Master's or doctoral applicants desiring consideration for assistantships, fellowships, or scholarships should be certain complete credentials have been filed before February 1 in order to receive consideration for the next academic year. NOTE: The deadline for all applications for admission to the master's degree with specialization in Athletic Training is 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 candidates 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. Only the aptitude portion of this examination 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.

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

Residence. Residence is defined as full-time pursuit of academic work. In meeting residence requirements students are expected to be on campus in daily contact with faculty and fellow graduate students during the specified time period. Twelve to fifteen hours of course work are normally considered a full-time schedule. Full-time graduate assistants, faculty assistants, and associate instructors are granted a full semester of residence credit when they carry a minimum of nine semester hours of course work.

A period of full-time residence is not required for students in master's or director's degree programs. However, master's students must take a minimum of 25-30 of the required 35-40 semester hours at Indiana University. Students in the Master of Public Health program must
take 30 hours at Indiana University. At least 35 of the 65 graduate semester hours required for the director's degree must be taken at Indiana University. These hours are in addition to any credits that may have been applied toward the residence requirements for a master's degree at Indiana University.

Doctoral students must enroll 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.

Doctoral 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 may 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.

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.

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1 For information concerning incomplete grades and withdrawals, refer to the Academic Regulations of this Bulletin.
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 chairman of the home institution verifying graduate status will be accepted in lieu of transcripts and letters of recommendation.

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

Teacher Certification. Graduate students wishing to teach in the Indiana Public Schools must meet the minimum state licensing requirements and obtain a Standard License. The Professional License will be awarded to those who have completed three years teaching experience in the area specified by the standard license, completed six semester hours of graduate level course work in that same area, and received a master's degree.

Master's Degree

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

The Master of Public Health with an emphasis in Community Health Education 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 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.

Applicants for the Master of Public Health degree must be admissible 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

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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.
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). Exception: 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.

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.

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, C511, C512, S557, S559, at least 5 hours from the following: S617, H617, S655, S456.

**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].

*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 [or MUS E555]

*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.


*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**

*Public Parks and Recreation:* T590, R500, R520, T594. Select 8 hours from: R530, R531, R532, R535, R540, R552, T593, R515, R550, R541, R510.

*Outdoor Recreation:* T590, R500, R520, R540. Select 8 hours from: R530, R542, R543, R550, R552, R515, R510, R541.
**College Union Administration:** T590, R500, R520, R580 (or R643.) Select 8 hours from: R515, R530, R532, R643, T593, T594. Also, select a minimum of two courses from each of the following areas: Education U544, U546, U548, C656, and Business: W501, Z502, Z503, A501.

**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.

**Program of Studies for the Master of Public Health Degree.** A minimum total of 40 semester hours of approved credit is required for the degree. Twenty-four hours must be completed in the major area. Required courses include the following: T590, C610, C511, C512, H517, C523, C591, C609 and C690 (2-8 hours.)

**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 Alchoholism, 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.

**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 the director’s degree.

All candidates for the director’s degree are required to complete the following courses which may be counted toward the 35 semester hours required in the major area: T590, T594, and either thesis or internship credit. In addition, the following courses are required in the area designated: Director of Health and Safety Education (H.S.Dir.) H510, S559, H642 (or

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1 For additional information see General Requirements for Advanced Degrees.
T699], Director of Physical Education [P.E. Dir.] P544, P545, P642, [or T699], Director of Recreation [Re. Dir.] R500, R520, R642, [or T699].

Enrollment in the thesis or internship is permitted, with approval of the chairperson, after satisfactory completion of 15 or more hours in residence toward the degree.

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 chairperson 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. One bound copy of the thesis is 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.

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.

Degree General Requirements. Procedures for admission, appointment of advisory committees, and related matters follow the same pattern for all degrees. See special procedures and requirements unique to the Ph.D. program in Human Performance in the section, "Doctoral Degree Special Requirements." [Also see "General Requirements for Advanced Degrees".]

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1 For additional information 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, write and evaluate the qualifying examinations, cooperate with the chairperson in the supervision of the writing of the dissertation, and evaluate the candidate's defense of the dissertation. 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.

Admission to Candidacy for the Doctoral Degree. Admission to candidacy for a doctoral degree requires the student to: (a) complete 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 before the final oral examination in defense of the dissertation 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 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 1" is elected by the student, the part of the qualifying examination dealing with research competency may be taken upon completion of TS90, TS91, and TS92. 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 exceeded before the thesis is completed, the candidate must enroll in Graduate Candidate (G900), a non-credit course. 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 G900 or thesis hours during the summer session.
To enroll in HPER T790, P799, or G900, 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 G900 or 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 present the study in acceptable, written form. The result should be a verifiable contribution to knowledge in the candidate's field. Completion of a dissertation normally requires at least one year of concentrated effort. The proposed dissertation problem is submitted to the chairperson of the candidate's 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 and a vita sheet. Two copies of the 500 word abstract, an additional title page, and a one-page announcement of the dissertation defense must also be submitted. After the final examination in defense of the dissertation has been passed and the dissertation has been approved, one unbound and two bound copies of the dissertation must be filed in the HPER Graduate Division Office. A bound copy must also be provided for the dissertation committee chairperson unless otherwise specified.

**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 the 500 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 HPGR 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. An announcement of the examination must be circulated to faculty of the School of HPGR 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. must be circulated to the University graduate faculty.

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.

Doctoral 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 and T591. 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 T591, T591, and T592, graduate courses take to fulfill option requirements cannot be counted toward the hours for the degree. A grade of B or better must be earned in each course 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 HPER 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 R577¹
Computer Science: C.Sc. C307 and C335¹ (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

¹ Equivalent courses may be acceptable but must receive prior approval from the Associate Dean for Graduate Study.
perspectives. Currently available specialties include biomechanics, exercise physiology, and sports psychology.

This degree is offered by the School of Health, Physical Education, and Recreation in conjunction with the Graduate School. 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, 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 20-30 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:

<table>
<thead>
<tr>
<th>Major Area</th>
<th>30 hours minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor</td>
<td>15 hours minimum</td>
</tr>
<tr>
<td>Supporting electives or second minor</td>
<td>15 hours minimum</td>
</tr>
<tr>
<td>Dissertation</td>
<td>20-30 hours</td>
</tr>
<tr>
<td>Electives</td>
<td>0-5 hours</td>
</tr>
<tr>
<td>Research Skills and Languages</td>
<td>not counted in total hours</td>
</tr>
<tr>
<td>Total</td>
<td>90 hours</td>
</tr>
</tbody>
</table>

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**

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 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: CSci 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
   c. Instructional Systems Technology: Educ R544, R574, Educ R555, R558
   d. Educational Statistics: [6 credit hours] Educ Y603, Y604
   e. Computer Science: CSci C335, C343 (Note: Prerequisite of C307 or C335 is necessary)

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1 Other courses may be approved to meet these requirements if adequate justification can be provided.
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 Continuing Education. 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; A- = 3.3; B+ = 3.0; B = 2.7; B- = 2.3; C+ = 2.0; C = 1.7; D+ = 1.3; D- = 1.0; 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.

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.

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.

**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 total of 45 hours required (40 hours All Grade).**

A. Humanities, Total 18-24 cr.

1. Oral and Written Expression, [18-22 All Grade]

   a. Oral Expression: minimum of 2 credits
      Speech S121 [2 cr.]

   b. Written Expression: minimum of 2 credits selected from:
      English L141-L1421 Introduction to Writing and the Study of Literature [1-1 cr.]
      English W131 English Composition [3 cr.]
      English W143 Expository Writing [1 cr.]
      May be repeated for credit
      English W198 English Composition [2 cr.]

   c. Sufficient electives to make 9 hours in Oral and Written Expression to be selected from:
      English L141-L142 Introduction to Writing and the Study of Literature [1-1 cr.]
      English W103 Introduction to Creative Writing [3 cr.]
      English W203 Creative Writing [3 cr.]
      English W231 Professional Writing Skills [3 cr.]
      English W301 Writing Fiction [3 cr.]
      English W350 Advanced Expository Writing [3 cr.]
      Journalism J111 Verbal Communication [3 cr.]
      Journalism J327 Writing for Publication [3 cr.]
      Speech S122 Interpersonal Communication [2 cr.]
      Speech S324 Persuasion [3 cr.]
      Business C204 Business Communications [Bus. Majors only] [3 cr.]

2. Remaining Humanities, 9-15 cr.
   [See an adviser for specified approved courses], 9-13 [All Grade]

   Distribution to be selected from two departments.

   Either Speech or English may be used as one of the departments, but the student must
   select some work outside those two departments to complete the distribution require-
   ment. Select courses from:

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

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1 English L141 and L142 are each 4 hour courses. Three [3] hours of each course will count as
literature and one [1] hour of each will count as composition.
B. **Life and Physical Sciences, Total 9-15 cr.**

[See an adviser for specific courses]

(9-12 All Grade)

1. **Life Sciences: minimum of 3 credits selected from:**
   - Anatomy and Physiology
   - Biology

2. **Physical Sciences and Mathematics: minimum of 3 credits selected from:**
   - Astronomy
   - Chemistry
   - Computer Science
   - Geology
   - Physical Geography
   - Mathematics
   - Physics

3. **Electives to complete 9 hour minimum.** The following are the only courses in HPER that will satisfy the Science requirement:
   - HPER H363 Personal Health [3 cr.]
   - HPER P397 Kinesiology [3 cr.]
   - HPER P409 Basic Physiology of Exercise [3 cr.]

C. **Social and Behavioral Sciences, Total 9-15 cr.**

[See an adviser for specific courses]

(9-12 All Grade)

Select from a minimum of 3 of the following departments: 9 hrs. minimum

- Anthropology
- Political Sciences
- Economics
- Psychology
- Non-Physical Geography
- Sociology
- History
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 17 cr.
Biol. L100 Man and the Biological World [5 cr.]
Eng. W131 Elementary Composition I [3 cr.]
Spc. S121 Public Speaking [2 cr.]
Soc. S100 Sociological Analysis of Society [3 cr.]
HPER H160 First Aid [2 cr.]
Elective [Humanities] [2 cr.]

Spring Semester, Total 15 cr.
Eng. W103 Introductory Creative Writing [3 cr.]
Spc. S229 Discussion and Group Methods [3 cr.]
Psy. P101 Introductory Psychology [3 cr.]
H.Ec. H258 Marriage and Family Interaction [3 cr.]
Pols. Y103 Introduction to American Politics [3 cr.]
Educ. M101 Field/Laboratory Experiences I [0 cr.]

Sophomore Year

Fall Semester, Total, 17 cr.
Eng. W231 Professional Writing Skills [3 cr.]
Anat. A215 Basic Human Anatomy [5 cr.]
H.Ec. H231 Human Nutrition [3 cr.]
Spc. S105 Modes of Communication [3 cr.]
Educ. P253 Educational Psychology for Secondary Teachers [3 cr.]

Spring Semester, Total, 16 cr.
Phs. P215 Basic Mammalian Physiology [5 cr.]
HPER H363 Personal Health [3 cr.]
HPER S350 Content and Materials in Safety Education [2 cr.]
Educ. M300 Introduction to Teaching in a Culturally Pluralistic Society [3 cr.]
Educ. M201 Field/Laboratory Experiences II [0 cr.]
Elective [Minor] [3 cr.]
Junior Year

**Fall Semester, Total 16 cr.**
- **Educ.** M313 Teaching in the Secondary School [3 cr.]
- **HPER** H464 Organization of Health Education [2 cr.]
- **H.Ec.** H458 Family and Consumer Law [3 cr.]
- **Micr.** M200 Microorganisms in Nature and Disease [3 cr.]
- **Micr.** M315 Microbiology and Laboratory [2 cr.]
- Elective [Minor] [3 cr.]

**Spring Semester, Total 15 cr.**
- **HPER** H465 Community Health Education [3 cr.]
- **Chem.** C100 Chemistry [3 cr.]
- **Soc.** S409 The Community [3 cr.]
- **Educ.** M301 Field/Laboratory Experiences III [0 cr.]
- **HPER** H460 Instructor's Course in First Aid [2 cr.]
- **HPER** H499 Research in Health and Safety [1 cr.]
- Elective [Minor] [3 cr.]

Senior Year

**Fall Semester, Total 15 cr.**
- **Educ.** M458 Methods of Teaching Health and Safety [3 cr.]
- **Biol.** L369 Heredity, Evolution, and Society [3 cr.]
- **HPER** H366 Health Problems in the Community [3 cr.]
- **Soc.** S316 Sociology of the Family [3 cr.]
- Elective [Minor] [3 cr.]

**Spring Semester, Total 16 cr.**
- **Educ.** M480 Student Teaching [9 cr.]
- **Educ.** M462 Methods of Teaching High School Reading [3 cr.]
- **Educ.** M340 Education and American Culture [3 cr.]
- **Bus.** X410 Business Career Planning and Placement [1 cr.]

Public Health Education Specialist
Health and Safety Major

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.
HPER H160 First Aid [2 cr.]
Eng. W131 Elementary Composition I [3 cr.]
Spcch. S121 Public Speaking [2 cr.]
Psy. P101 Introductory Psychology I [3 cr.]
Biol. L100 Man and the Biological World [5 cr.]
Elective [1-2 cr.]

Second Semester, Total 16 cr.
Eng. W103 Introductory Creative Writing [3 cr.]
Spcch. S122 Interpersonal Communication [2 cr.]
Psy. P102 Introductory Psychology II [3 cr.]
Soc. S101 Social Problems and Policies [3 cr.]
H.Ec. H258 Marriage and Family Interaction [3 cr.]
Elective [2 cr.]

Sophomore Year
First Semester, Total 16 cr.
Anat. A215 Basic Human Anatomy [5 cr.]
Eng. W231 Professional Writing Skills [3 cr.]
H. Ec. H231 Human Nutrition [3 cr.]
Soc. S210 Social Organization [3 cr.]
HPER S350 Content and Materials in Safety Education [2 cr.]

Second Semester, Total 17 cr.
Phsil. P215 Basic Mammalian Physiology [5 cr.]
Spcch. S229 Discussion and Group Methods [3 cr.]
HPER H363 Personal Health [3 cr.]
Geog. G315 Environmental Conservation [3 cr.]
Spcch. S105 Modes of Communication [3 cr.]

Junior Year
First Semester, Total 16 cr.
HPER H366 Health Problems in the Community [3 cr.]
Psy. P316 Psychology of Childhood and Adolescence [3 cr.]
Soc. S230 Society and the Individual [3 cr.]
Micro. M200 Microorganisms in Nature and Disease [3 cr.]
Micro. M315 Microbiology Laboratory [2 cr.]
HPER H464 Organization of Health Education [2 cr.]

Second Semester, Total 16-17 cr.
Soc. S316 Sociology of the Family [3 cr.]
Biol. L350 Environmental Biology [3 cr.]
Chem. C100 Chemistry [3 cr.]
Chem. C121 Elementary Chemistry Laboratory [2 cr.]
HPER H465 Community Health Education [3 cr.]
Elective [2-3 cr.]
Senior Year

First Semester, Total 16 cr.
H.Ec. H458 Family and Consumer Law (3 cr.)
Educ. R543 Preparation of Inexpensive Instructional Materials (3 cr.)
HPER S457 Industrial Safety Education (3 cr.)
HPER H460 Instructor's Course in First Aid (2 cr.)
Elective (5 cr.)

Second Semester, Total 12 cr.
Bus. X410 Business Career Planning and Placement (1 cr.)
HPER H499 Research in Health and Safety Education (3 cr.)
HPER C490 Field Experience in Public Health Education (8 cr.)

Elect at least 9 hours from:
Soc. S309 The Community (3 cr.)
Bus. Z300 Organizational Behavior and Leadership (3 cr.)
Biol. L369 Heredity, Evolution, and Society (3 cr.)
Bus. K201 The Computer in Business (3 cr.)
Pols. Y103 Introduction to American Politics (3 cr.)
Clas. C209 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.)
Specialist in Occupational Safety
Health and Safety Major

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 17 cr.
HPER H160 First Aid [2 cr.]
Eng. W131 Elementary Composition I [3 cr.]
Psy. P101 Introductory Psychology I [3 cr.]
Biol. L100 Man and the Biological World [5 cr.]
Spch. S121 Public Speaking [2 cr.]
Electives [Humanities] [2 cr.]

Second Semester, Total 16 cr.
Eng. W103 Introductory Creative Writing [3 cr.]
Econ. E103 Introduction to Microeconomics [3 cr.]
Soc. S100 Sociological Analysis of Society [3 cr.]
Spch. S122 Interpersonal Communication [2 cr.]
HPER S350 Content and Materials in Safety Education [2 cr.]
SPEA V170 Public and environmental Affairs [3 cr.]

Sophomore Year
First Semester, Total 16 cr.
Anat. A215 Basic Human Anatomy [5 cr.]
Eng. W231 Professional Writing Skills [3 cr.]
Soc. S210 Social Organization [3 cr.]
Elective [Humanities] [3 cr.]
Elective [Hazard Control] [2 cr.]

Second Semester, Total 16 cr.
Phsl. P215 Basic Mammalian Physiology [5 cr.]
HPER H363 Personal Health [3 cr.]
HPER S457 Industrial Safety Education [3 cr.]
Elective [SPEA] [3 cr.]
Elective [Hazard Control] [2 cr.]
Junior Year
First Semester, Total 16 cr.
Psy. P301 Psychology and Human Problems [3 cr.]
Chem. C100 Chemistry [3 cr.]
Chem. C121 Elementary Chemistry Laboratory I [2 cr.]
Bus. T300 Principles of Transportation [3 cr.]
HPER S351 Leadership Development in the Shooting Sports [2 cr.]
HPER H366 Health Problems in the Community [3 cr.]

Second Semester, Total 16 cr.
HPER H465 Community Health Education [3 cr.]
Biol. L350 Environmental Biology [3 cr.]
HPER H466 Instructor's Course in First Aid [2 cr.]
Geog. G315 Environmental Conservation [3 cr.]
Soc. S230 Society and The Individual [3 cr.]
Elective [Hazard Control] [2 cr.]

Senior Year
First Semester, Total 17 cr.
HPER S456 Traffic Safety Education for Teachers [4 cr.]
Educ. R543 Preparation of Inexpensive Instructional Materials [3 cr.]
Bus. K201 The Computer in Business [3 cr.]
Bus. Z300 Organizational Behavior and Leadership [3 cr.]
HPER H464 Organization of Health Education [2 cr.]
Elective [Hazard Control] [2 cr.]

Second Semester, Total 10-16 cr.
Bus. X410 Business Career Planning and Placement [1 cr.]
HPER H499 Research in Health and Safety Education [3 cr.]
HPER S490 Field Experience in Occupational Safety [2-8 cr.]
Electives [4 cr.]

Health and Safety Minor
The following courses are required to meet minor 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.]
Physical Education Major

Four-year program [must include minor or acceptable alternative] leading to a Standard Teaching Certificate and the degree Bachelor of Science in Physical Education.

Freshman Year
First Semester, Total 14-16 cr.
- HPER 121 Performance of Individual Sports or exemption (0-2 cr.)
- HPER P Performance and Teaching Elective (1 cr.)
- HPER P240 Foundations of Physical Education (2 cr.)
- Eng. Humanities Written Expression (3 cr.)
- Social & Behavioral Science (3 cr.)
- Electives (2 cr.)
- Physical Sciences or Mathematics (3)

Second Semester, Total 15-17 cr.
- HPER P121 Performance of Team Sports or exemption (0-2 cr.)
- HPER P Performance and Teaching Elective (1 cr.)
- Anat. A215 Basic Human Anatomy (5 cr.)
- Social or Behavioral Science (3 cr.)
- Humanities area (3 cr.)
- Speech Humanities Oral Expression (3 cr.)

Sophomore Year.
First Semester, Total 17 cr.
- HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
- HPER P222 Performance & Teaching of Gymnastics (2 cr.)
- Educ. H340 Education and American Culture (3 cr.)
- Physio. P215 Basic Mammalian Physiology (5 cr.)
- Elective (2 cr.)
- Humanities area (3 cr.)

Second Semester, Total 16 cr.
- Humanities area (3 cr.)
- HPER P Performance & Teaching Elective (1 cr.)
- Educ. P253 Educational Psychology for Sec. Teachers (3 cr.)
- Social & Behavioral Science (3 cr.)
- HPER Elective [Physical Ed.] (P, D, or A Prefix) (3 cr.)
- Educ. M300 Introduction to Education in a Culturally Pluralistic Society (3 cr.)
Junior Year
First Semester, Total 16 cr.
- HPER P221  Performance of Rhythm & Dance (2 cr.)
- HPER P397  Kinesiology (3 cr.)
- HPER P323  Teaching of Individual Sports (2 cr.)
- HPER P  Performance & Teaching Electives (1 cr.)
- Humanities area (3 cr.)
- Electives (2 cr.)
- Educ. M462  Methods of Teaching Reading (3 cr.)

Second Semester, Total 16 cr.
- HPER P325  Teaching of Team Sports (2 cr.)
- HPER P398  Adapted Physical Education (3 cr.)
- HPER P409  Physiology of Exercise (3 cr.)
- Electives (8 cr.)

Senior Year
First Semester, Total 15 cr.
- HPER P493  Tests and Measurements in Physical Education (3 cr.)
- HPER Elective (Prefix A, D, or P) (3 cr.)
- Electives (6 cr.)
- Educ. M313  Teaching in the Secondary Schools (3 cr.)

Second Semester, Total 15 cr.
- Educ. M456  Methods of Teaching Physical Education (3 cr.)
- Educ. M451  Student Teaching (9 cr.)
- HPER P497  Organizational and Curricular Structures of Physical Education K-12 (3 cr.)

Note: 1) Swimming proficiency required for graduation.
2) H160, First Aid or standard ARC First Aid Certificate required for graduation.
   In the State of Indiana teachers of swimming must hold a current WSI Certificate or its equivalent.
   Students seeking certification in middle schools or junior high schools must also complete
   Educ. P254 Educational Psychology for All Teachers.
Physical Education All Grade Major
Elementary Emphasis

Four-year program leading to a Standard 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 or exemption (0-2 cr.)
HPER P Performance and Teaching Elective (1 cr.)
HPER P240 Foundations of Physical Education (2 cr.)
Eng. Humanities Written Expression (3 cr.)
Social and Behavioral Science (3 cr.)
Electives (2 cr.)
Physical Sciences or Mathematics (3 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.)
Social or Behavioral Science (3 cr.)
Humanities area (3 cr.)
Spch. Humanities - Oral Expression (3 cr.)

Sophomore Year
First Semester, Total 15 cr.
HPER P221 Performance of Rhythm and Dance (2 cr.)
HPER P222 Performance and Teaching of Gymnastics (2 cr.)
Educ. H340 Education and American Culture (3 cr.)
Physio. P215 Basic Mammalian Physiology (5 cr.)
Humanities area (3 cr.)

Second Semester, Total 16 cr.
Humanities area (3 cr.)
HPER P Performance & Teaching Elective (1 cr.)
Educ. P254 Educational Psychology for All Teachers (3 cr.)
Social and Behavioral Science (3 cr.)
HPER P290 Movement Experiences for Preschool and Elementary School Children (2 cr.)
HPER P239 Stunts, Tumbling and Apparatus for Young Children (1 cr.)
Educ. M300 Introduction to Education in a Culturally Pluralistic Society (3 cr.)

Junior Year
First Semester, Total 16 cr.
HPER P390 Growth and Motor Performance of School Age Youth K-12 (2 cr.)
HPER P397 Kinesiology (3 cr.)
HPER P323 Teaching of Individual Sports (2 cr.)
HPER P Performance and Teaching Elective (1 cr.)
Humanities area (3 cr.)
HPER Electives (Physical Ed., P, D or A Prefix) (3 cr.)
HPER P395 Practicum in Preschool and Elementary School Physical Educ. (2 cr.)

Second Semester, Total 17 cr.
HPER P325 Teaching of Team Sports (2 cr.)
HPER P398 Adapted Physical Education (3 cr.)
HPER P409 Physiology of Exercise (3 cr.)
HPER P490 Motor Development of Preschool and Elementary School Children (3 cr.)
Elementary Physical Education Elective (3 cr.)
Educ. M462 Methods of Teaching Reading (3 cr.)

A student desiring to pursue an area other than Elementary Physical Education within the All Grade major may select from the following areas: Aquatics, Adapted, Coaching, Dance, Gymnastics. This endorsement qualifies the holder to teach Physical Education K-12.
Senior Year

First Semester, Total 16 cr.
HPER P493 Tests and Measurements in Physical Education [3 cr.]
Elective [Physical Educ.] [Prefix A, D, or P] [3 cr.]
HPER P494 Tools of Learning for Elementary School Children [3 cr.]
Elementary Physical Education Dance Elective [1 cr.]
Educ. M313 Teaching in the Secondary Schools [3 cr.]
Electives [3 cr.]

Second Semester, Total 15 cr.
Educ. M456 Methods of Teaching Physical Education [3 cr.]
Educ. M451 Student Teaching [9 cr.]
HPER P497 Organizational and Curricular Structures of Physical Education K-12 [3 cr.]

Note: 1) Swimming proficiency required for graduation.
2) H160, First Aid or Standard ARC First Aid Certificate required for graduation.
In the State of Indiana teachers of swimming must hold a current WSI certificate or its equivalent.
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 (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 1Performance 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 Expression (3 cr.)
Anth. A103 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 P397 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 P398 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.)
HPER P Performance and Teaching Elective (1 cr.)
Educ. M462 Methods of Teaching Reading (3 cr.)
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 P Performance and Teaching Elective [1 cr.]
Educ. M313 Teaching in the Secondary Schools [3 cr.]
Elective [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.]

In the State of Indiana teachers of swimming must hold a current WSI certificate or its equivalent.
Note: 1) Swimming proficiency required for graduation.
2) H160, First Aid or Standard ARC First Aid Certificate required for graduation.
Physical Education Minor

Required courses for the minor include:

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

In addition the student must satisfactorily complete 3 credit hours to be selected from the following:

Combinations of the "Performance and Teaching of" courses,
Combinations of the "Coaching of" courses,
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.]

First Aid certificate required.

Teachers of swimming in the State of Indiana must hold a valid 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\(^2\) [1 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\(^3\) [4 cr.]
  - Chem. C100 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.]
- HPER A383 Scientific Foundations of Athletic Training [3 cr.]
- HPER A481 Practicum in Athletic Training [2 cr.]
- Home Ed H231 Human Nutrition [2 cr.]
- HPER P409 Basic Physiology of Exercise [3 cr.]
  - Chem. C100 or C101 Chemistry\(^3\) [3 cr.
  - Phys. P101 Physics in the Modern World\(^3\) [4 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.
Procedure for Admission of Students to the Undergraduate Athletic Training Program Emphasis

1. A student who desires entrance into the athletic training program emphasis and believes that he/she has met the entrance requirements, (see University Division of 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.

Coaching Endorsement

HPER A480 Care and Prevention of Athletic Injuries [1 cr.]
HPER P450 Principles of Psychology of Coaching [3 cr.]
HPER P397 Kinesiology [3 cr.]
HPER P409 Physiology of Exercise [3 cr.]
Select 5 credit hours from the following—including a minimum of one coaching class
HPER A484 Interscholastic Athletic Programs [2 cr.]
HPER A483 Principles of Sports Officiating [1 cr.]
HPER A361 Coaching of Football [1 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 P424 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.

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.]
For. P341 Traffic Regulation and Control I [3 cr.]
Recreation Major

Emphasis: Public Recreation and Parks

Four-year program leading to the degree Bachelor of Science in Recreation.¹

Freshman Year

First Semester, Total 16 cr.
English requirement (3 cr.)
Speech S121 Public Speaking (2 cr.)
Psy. P101 Psychology I (3 cr.)
Soc. S100 Sociological Analysis of Soc. (3 cr.)
Program Area Elective² (3 cr.)
Elective (2 cr.)

Second Semester, Total 16 cr.
Life and Physical Science elective³ [5-6 cr.]
Psy. P102 Psychology II (3 cr.)
HPER R160 Man, His Leisure and Recreation (3 cr.)
Soc. S101 Social Problems and Policies (3 cr.)
Soc. S230 Social Psychology (3 cr.)
Elective (1-2 cr.)

Sophomore Year

First Semester, Total 15 cr.
Econ. E103 Introduction to Microeconomics (3 cr.)
Pol. Sci. Y103 Introduction to American Politics
Hist. H105 American History (3 cr.)
Humanities elective from Art History, English L101, Music M174, Theatre T240 (3 cr.)
Program Area Elective² (3 cr.)
Elective (3 cr.)

Second Semester, Total 16 cr.
HPER R265 Introduction to Public Parks and Recreation (2 cr.)
HPER R272 Recreation Leadership and Programming (3 cr.)
HPER R266 Management of Facilities I (3 cr.)
Humanities elective from Art History, English L101, Music M174, Theatre T240 (3 cr.)
Elective (5 cr.)

¹By selecting appropriate courses the student may also qualify for a Provisional Teaching Certificate in Recreation.
²6 credit hours to be taken from two or more of the following recreation activity areas: Performing Arts, Arts and Crafts, Games and Sports, Outdoor Recreation.
³Elected from Biology L100, Geology G103, and G104 or Geography G315.
### Junior Year

**First Semester, Total 15 cr.**
- Pol. Sci Y308  Urban Politics (3 cr.)
- Bus. L201  Legal Environment of Business (3 cr.)
- HPER R267  Management of Facilities II (3 cr.)
- HPER R367  Social Recreation (3 cr.)
- Elective (3 cr.)

**Second Semester, Total 15 cr.**
- Educ. R363  Professional Field Experience (15 cr.)
- HPER R364  Post Field Work Seminar (3 cr.)

### Senior Year

**First Semester, Total 16 cr.**
- HPER R461  Program Administration (2 cr.)
- HPER R466  Principles of Administration (3 cr.)
- HPER R468  Planning and Park Design (2 cr.)
- Bus. A201  Management Accounting (3 cr.)
- Speech S223  Business and Professional Speaking (3 cr.)
- Electives (3 cr.)

**Second Semester, Total 15 cr.**
- HPER R271  Dynamics of Outdoor Recreation (3 cr.)
- Electives (12 cr.)
Recreation Major
Emphasis: Outdoor Recreation

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

Freshman Year
First Semester, Total 16 cr.
English requirement [3 cr.]
Speech S121 Public Speaking [2 cr.]
Psyc. P101 Psychology I [3 cr.]
Soc. S100 Sociological Analysis of Society [3 cr.]
Program Area Elective1 [3 cr.]
Elective (2 cr.)

Second Semester, Total 16 cr.
Biol. L100 Man and Biological World [5 cr.]
Psyc. P102 Psychology II [3 cr.]
HPER R160 Man, His Leisure and Recreation [3 cr.]
Program Area Elective1 [3 cr.]
Elective (2 cr.)

Sophomore Year
First Semester, Total 15 cr.
Life and Physical Sciences elective [5 cr.]
Program Area Elective1 [3 cr.]
Electives [7 cr.]

Second Semester, Total 15 cr.
HPER R271 Dynamics of Outdoor Recreation [3 cr.]
HPER R272 Recreation Leadership and Programming [3 cr.]
Humanities elective2 [3 cr.]
Electives [6 cr.]

Summer I
HPER R279 Bradford Woods—Camping and Outdoor Leadership [3 cr.]

Junior Year
First Semester, Total 14 cr.
Life and Physical Sciences elective2 [5 cr.]
HPER R372 Interpretive Resources and Techniques [3 cr.]
Humanities elective3 [3 cr.]
Electives [3 cr.]

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

Senior Year
First Semester, Total 15 cr.
HPER R461 Program Administration [2 cr.]
HPER R466 Principles of Administration [3 cr.]
Speech S223 Business and Professional Speaking [3 cr.]
Electives [7 cr.]

Second Semester, Total 15 cr.
Program Area Elective1 [3 cr.]
Sociology elective [3 cr.]
Electives [9 cr.]

12 credit hours to be selected from two or more of the following program areas: Performing Arts, Arts and Crafts, Games and Sports, Outdoor Recreation.

2Ten (10) credit hours to be selected from Astronomy, Biology, Botany, Plant Sciences, Geology, Geography.

3A minimum of six (6) credit hours to be selected from Art History, Art or Music or Theater Appreciation, Literature L101, L102, C255, Speech S229, Philosophy.
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.
English requirement [3 cr.]
Speech S121 Public Speaking [2 cr.]
Psy. P101 Psychology I [3 cr.]
Soc. S100 Sociological Analysis of Society [3 cr.]
Program Area Elective1 [3 cr.]
Elective [2 cr.]

Second Semester, Total 16 cr.
Biol. L100 Man and Biological World [5 cr.]
Psy. P102 Psychology II [3 cr.]
HPER R160 Man, His Leisure and Recreation [3 cr.]
Program Area Elective1 [3 cr.]
Elective [2 cr.]

Sophomore Year
First Semester, Total 15 cr.
Educ. F400 or M135 [3 cr.]
Sociology elective [3 cr.]
Program area1 [3 cr.]
Music, Theater or Art Appreciation [3 cr.]
Electives [3 cr.]

Second Semester, Total 15 cr.
HPER R272 Recreation Leadership and Programming [3 cr.]
Sociology elective [3 cr.]
Program area1 [3 cr.]
Speech S229 Discussion and Group Methods [3 cr.]
Elective [3 cr.]
Summer Intensive at Bradford Woods
HPER R279 Camping and Outdoor Leadership [3 cr.]

Junior Year, First Semester, Total 15 cr.
Psy. P316 Psychology of Childhood and Adolescence [3 cr.]
HPER R367 Social Recreation [3 cr.]
Sociology elective [3 cr.]
Life and Physical Sciences elective2 [2-3 cr.]
Electives [3-4 cr.]

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

Senior Year
First Semester, Total 15 cr.
HPER R461 Program Administration [2 cr.]
HPER R466 Principles of Administration [3 cr.]
Psy. P325 Psychology of Learning [3 cr.]
Sociology elective [3 cr.]
Electives [4 cr.]

Second Semester, Total 15 cr.
Psy. P420 Sociology Psychology [3 cr.]
Folklore, Philosophy or Religion course [3 cr.]
Sociology elective [3 cr.]
Elective [6 cr.]

112 credit hours to be selected from two or more of the following program areas: Performing Arts, Arts and Crafts, Games and Sports, Outdoor Recreation.
2To be selected from Plant Science B214, Geography G315, or an Astronomy course.
Recreation Major
Emphasis: Therapeutic Recreation

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

Freshman Year
First Semester, Total 16 cr.
English requirement [3 cr.]
Speech 121 Public Speaking [2 cr.]
Psy. P101 Psychology I [3 cr.]
Soc. S100 Sociological Analysis of Society [3 cr.]
Program Area Elective\(^1\) [3 cr.]
Elective [2 cr.]

Second Semester, Total 16 cr.
Life and Physical Sciences elective\(^2\) [5 cr.]
Psy. P102 Psychology II [3 cr.]
HPER R160 Man, His Leisure and Recreation [3 cr.]
Program Area Elective\(^1\) [3 cr.]
Elective [2 cr.]

Sophomore Year
First Semester, Total 14 cr.
Anat. A215 Basic Human Anatomy [5 cr.]
Psy. P324 Abnormal Psychology [3 cr.]
Humanities elective\(^3\) [3 cr.]
Electives [3 cr.]

Second Semester, Total 16 cr.
HPER R277 Introduction to Therapeutic Recreation [3 cr.]
HPER R272 Recreation Leadership and Programming [3 cr.]
Psychology elective [3 cr.]
Phsl. P215 Basic Mammal Physiology [5 cr.]
Program Area Elective\(^1\) [2 cr.]

Junior Year
First Semester, Total 16 cr.
HPER R367 Social Recreation [3 cr.]
HPER R378 Techniques of Therapeutic Recreation [2 cr.]
HPER P397 Kinesiology [3 cr.]
Clas. C209 Medical Terminology [2 cr.]
Psychology elective [3 cr.]
General Education elective\(^4\) [3 cr.]

\(^1\)12 credit hours from three or more of the following recreation activity areas: Performing Arts, Arts and Crafts, Games and Sports, Outdoor Recreation.
\(^2\)A minimum of five [5] semester hours to be selected from Chemistry C101 or C105, Human Biology P130, or Biology L100.
\(^3\)Select from Art, Theater, Music Appreciation, Art History, Literature L101, L102, C255, Philosophy, Religion or Folklore.
Second Semester, Total 15 cr.
Educ. M363 Professional Field Work (Clinical Experience [15 cr.])

Senior Year
First Semester, Total 15 cr.
HPER R461 Program Administration [2 cr.]
HPER R466 Principles of Administration [3 cr.]
Sociology elective [3 cr.]
Program Area Elective 1 [2 cr.]
Select from Educ. R423, Speech S223, S229 [3 cr.]
Elective [2 cr.]

Second Semester, Total 16 cr.
Humanities elective 1 [3 cr.]
Program Area Elective 1 [2 cr.]
General Education electives [6 cr.]
Electives [5 cr.]

Recreation Minor

The following core courses are required in sequence:
HPER R160 Man, His Leisure and Recreation [3 cr.]
HPER R272 Recreation Leadership and Programming [3 cr.]
HPER R466 Principles of Administration [3 cr.]

and one of the following:
HPER R271 Dynamics of Outdoor Recreation [3 cr.]
HPER R265 Introduction to Public Parks and Recreation [2 cr.]
HPER R277 Introduction to Therapeutic Recreation [2 cr.]

Four hours selected from:
HPER E100-E400 Elective Physical Education Courses
HPER H160 First Aid [2 cr.]
HPER P290 Movement Experiences for Pre-School and Elementary School Children [2 cr.]
HPER S351 Leadership Development in Shooting Sports [2 cr.]

Four to five hours selected from:
HPER R367 Social Recreation [3 cr.]
Fine Arts studio courses, theater production or applied music courses

Four hours selected from:
HPER R275 Camp Counselor's Training Course [2 cr.]
HPER R279 Camping and Outdoor Leadership [3 cr.]
Mil. G201 Leadership in Special Environments [2 cr.]

12 credit hours from three or more of the following recreation activity areas: Performing Arts, Arts and Crafts, Games and Sports, Outdoor Recreation.

1A minimum of five [5] semester hours to be selected from Chemistry C101 or C105, Human Biology P130, or Biology L100.

2Select from Art, Theater, Music Appreciation, Art History, Literature L101, L102, C255, Philosophy, Religion or Folklore.

3Select nine (9) credit hours from HPER P398, H363, H364, Special Education, Allied Health, Psychopathology M303, Clinical Lectures, Human Growth and Development, or Pathology.
Courses in the School of Health, Physical Education and Recreation, 1979-80

The courses below represent the total offerings of the School of Health, Physical Education, and Recreation. Not all courses are offered every semester. The number of credit hours given for a course is indicated in parentheses following the course title. The abbreviation "P" refers to the course prerequisites. Courses numbered 500 and above are for graduate students only.

Health Education

(See also Safety Education)

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.

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

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

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

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

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

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. Admission by invitation only.

H499 Research in Health and Safety Education (cr. arr.) Undergraduate research. Under supervision of a faculty adviser in the department.

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.

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.
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.

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: HP510 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.

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.

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.

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. 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.

H617 Seminar in Health Education (cr. arr.) 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.

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.

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

H741 Advanced Readings in Health Education and Safety Education (cr. arr.) Guided readings for broadening information and understanding of field or specialty.

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 ½ 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 ½ 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 ½ 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 ½ cr.) P: HPER P121 or permission of instructor. Fundamental procedures in conditioning and training for cross country, track, and field. Gives basic understanding of each event's coaching strategy and coaching psychology. Home meet organization and management.

A365 Coaching of Wrestling (1 ½ 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 ½ 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.

1 Required of freshmen with emphasis in athletic training.
A367 Coaching of Swimming and Diving (1.5 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 (1.5 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 (1.5 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 (1.5 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.) 2 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.) 3 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.) 4 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.) 1 Advanced preparation in techniques of teaching such sports and activities as swimming, wrestling, football, baseball, track and field, minor athletic games, gymnastics floor apparatus, and rhythms.

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.

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1 Required of athletic training students and open also to HPER 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, safety, facilities, and other phases of administration.
A584 Administration of Athletic Training (3 cr.) Designed to provide classroom and practi-
cal experience in developing pre-athletic physical examinations, the athletic training
responsibilities as viewed by the administrator of athletic programs, certification exam-
ination 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 related 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 as-
signments 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 prin-
ciples existing within the modern dance form.
D312 Theory and Practice of Dance Technique II (2 cr.) P: HPER D311. Further investiga-
tion of the theories and philosophies of technical training introduced in D311. Their
efficient application to teaching and performing.
D331. Dance and the Allied Arts I (3 cr.) Historical development of dance and the related
arts; primitive through medieval.
D332 Dance and the Allied Arts II (3 cr.) P: HPER D331, consent of instructor. Historical development of dance and related art forms; renaissance through contemporary.

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

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

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

D442 Dance Production II (3 cr.) P: HPER D441. Basic theories of color, 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.

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

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

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

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

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

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

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

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

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

P232 Performance and Teaching of Racquetball, Squash, Handball (1 cr.) Instruction and analysis of skills, techniques, and strategies of racquetball, squash, and handball. Development of skills in unit planning, error analysis, and modified game forms.
P233 Performance and Teaching of Softball (1 cr.) Instruction and analysis of skills, techniques, and strategies in softball. Development of skills in unit planning, drills, and modified game forms.

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

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

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

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

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

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

P323 Teaching of Individual Sports (2 cr.) P: HPER 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 P123 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: WSL Development and administration of aquatic programs in elementary and secondary schools.

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

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

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

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

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

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

P398 Adapted Physical Education I (3 cr.) P: Anatomy A215 and HPER P397. Study of conditions which require physical education programs to be adapted to special needs of individuals, including analysis of normal and faulty postures. Principles and practices in application of exercises and activities for specific handicapped conditions.
P399 Practicum in Adapted Physical Education (1-2 cr.) P: HPER P398. A practical learning experience in adapted physical education with handicapped children. Course may be repeated.

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

P409 Basic Physiology of Exercise (3 cr.) P: PHSL P215 or the equivalent and Anatomy A215. A survey of human physiology parameters as related to physical exercise and work and the development of physiological fitness factors. Physiological foundations will be considered.

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


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

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

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.

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.

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.

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.

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.

The following undergraduate courses [M231 through W325] are to be taken only by students who began the professional preparation programs prior to August, 1978:

M231 Teaching of Judo and Wrestling (1 cr.) Teaching of and participation in activities not included in other skill courses in curriculum. Emphasis on teaching aspect of the activity.

M232 Teaching of Volleyball and Soccer (1 cr.) Teaching of and participation in activities not included in other skill courses in the curriculum. Emphasis on teaching aspects of the activities.
W224 Folk, Square, and Social Dance (1 cr.) P: HPER W100. Folk and Square Dance. Methods and materials of folk dance instruction in upper elementary grades and high school; special attention to terminology, fundamental skills, selection, presentation of dances.

W322 Individual Sports II (1 cr.) P: HPER W121. Includes badminton, bowling, tennis, and golf. A prerequisite for W323.

W323 Teaching of Individual Sports (1 cr.) P: HPER W322. Prepares undergraduate majors to teach badminton, bowling, tennis. Lectures and discussions: basic principles, teaching methods, history, terminology, rules, selection and care of equipment. Projects: reporting on skill analysis of service class students, practice teaching of one service class, preparing unit lesson plans for one sport. A prerequisite of W423.


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, psychological implications, participants, development, and sport program 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.
P546 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.

P547 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.

P548 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.

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

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

E555 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.

P556 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.

P576 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 emphases at each level; problems of selection, guidance, placement, facilities, retention of personnel, methods and policies in higher education, pertinent issues and trends.

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

P638 Biomechanics of Human Performance (3 cr.) P: 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.
Physical Education

Elective Program

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 foxtrot 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.

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 (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.
EI35 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.

EI37 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.

EI39 Handball (1 cr.) Instruction in basic skills for beginning players. Includes both four-wall singles and doubles games.

EI41 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.

EI42 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.

EI47 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.

EI49 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.

K150 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.

EI51 Self-Defense (1 cr.) Instruction in techniques for practical self-defense skills and situations. No uniform required.

EI53 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.

EI55 Modern Dance (1 cr.) Beginning instruction in modern dance technique, stressing knowledge and application of movement principles essential to dance training.

EI59 Racquetball (1 cr.) Instruction in basic skills for beginning players. Includes both four-wall singles and doubles games.

EI61 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.

EI63 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.

EI65 Soccer (1 cr.) Instruction in fundamental techniques, rules, basic team tactics, and strategies. Emphasis on competitive game scrimmages and fundamental drills.

EI67 Squash Racquets (1 cr.) Instruction in basic skills and game rules. Emphasis on both four-wall singles and doubles games.

EI68 Swimming—Non-Swimmers (1 cr.) Beginning instruction in self-rescue remedial swimming skills, and several basic strokes. For the student with no swimming skills.

EI79 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.

EI81 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.

EI83 Trap and Skeet (1 cr.) Instruction in firearm safety and shotgun marksmanship. Emphasis on skill development in safe and efficient use of shotguns. Games of skeet and trap are included. Students encouraged to shoot for NRA qualifications. Fee charged.

EI85 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.

EI87 Weight Training (1 cr.) Instruction in basic principles and techniques of conditioning through use of free weights. Emphasis on personalized conditioning programs.
E189 Wrestling (1 cr.) Instruction in basic moves of takedown, escape rides, reversal, and pinning combinations. Class instruction appropriate for beginning and intermediate level wrestlers.

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

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

E233 Fitness and Jogging 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: E355 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.

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.

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

Recreation and Park Administration

R160 Man. His Leisure and Recreation (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 Leadership and Programming (3 cr.) P: R160. Development of face to face leadership, enthusiasm and creative leadership methods and techniques that can be applied to all recreational settings through the use of creative recreational activities.

R275 Camp Counselor's Training Course (2 cr.) Role of counselors in relation to objectives, organization, guidance, leadership skills, program resources in organized camps.

R277 Introduction to Therapeutic Recreation (2 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.

R364 Post Field Work Seminar (3 cr.) P: Educ M363. Seminar following professional field work for students to review and evaluate experiences and strive to establish personal guidelines and programs to complete their professional preparation.

R367 Social Recreation (3 cr.) Planning, conducting, and evaluating activities and programs for various types of social events.

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 (2 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.

R461 Program Administration (2 cr.) P: R160, R272, Educ. M363 Fundamental principles and techniques of program development, seasonal, year round, specialty areas and total agency program planning.

R466 Principles of Administration (3 cr.) P: R160, R272, Educ. M363. Introduction to the basic principles of administration covering such aspects as goals and objectives, policies, departmental organization, budgets, personnel, office management, and evaluation, especially as related to subadministrative and supervisory positions.

R468 Planning and Park Design (2 cr.) P: R160, R272. Introduction to policies, problems, and procedures in the preparation of recreation surveys, comprehensive master plans, and park design with emphasis upon planning procedures and content.

R479 Problems in Therapeutic Recreation (3 cr.) P: R160, R272. Working through the problems confronting the therapeutic recreator in the transition period between traditional medical practice and comprehensive health care for all people.

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 for recreation, 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 (cr. arr.)  For doctoral students or permission of instructor.

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.

Safety Education

(See also Health 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.

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

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

S456 Traffic Safety Education for Teachers (4 cr.)  Materials and methods for high school classroom and practice driving instruction. Psychophysical limitations of drivers, driving procedures, 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.

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 prepared.

S557 Public Health Accident Control (3 cr.)  P: a safety course and HPER CS11. 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.

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

1 May be taken for graduate credit.
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.

Technical Courses

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. Application of these techniques in measurement and research. Analysis of covariance.

T693 Experimental Analysis and Design (3 cr.) P: T592 with a grade of B or better. Procedures and principles of experimental research; design, application of statistical techniques, analysis and interpretation of results, assumptions basic to techniques.

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 M56 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 8 cr.)
Faculty of the School of Health, Physical Education, and Recreation, 1979-80

EMERITUS

BOOKWALTER, KARL W., Professor Emeritus of Physical Education
BROGNEAUX, JOHN P., Assistant Professor of Emeritus Physical Education, and Assistant Professor Emeritus of Education (School 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
EPPLEY, GARRETT G., Professor Emeritus of Recreation and Park Administration
FISHER, GORDON R., Track Coach Emeritus, and Associate Professor Emeritus of Physical Education
FOX, JANE, Associate Professor Emeritus of Physical Education
HESTER, MRS. CLARA L., Professor Emeritus of Physical Education
MUNRO, EDNA F., Professor Emeritus of Physical Education
RASH, J. KEOGH, Professor Emeritus of Health and Safety Education
TULLY, ROBERT W., Professor Emeritus of Recreation
WAKEFIELD, MARKHAM C., Associate Professor Emeritus of Physical Education

FACULTY

ALBOHM, MARJORIE JEAN, M.S. (Indiana State University, 1973), Athletic Trainer and Instructor Part-time of Physical Education
A. ALDRICH, ANITA, Ed.D. (Pennsylvania State University, 1957), Chairperson, and Professor of Physical Education, Professor of Education
ANDERSON, STEPHEN C., Ph.D. (University of Maryland, 1976), Assistant Professor in 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), Assistant Professor of Recreation
BARRY, PATRICK W., B.S. (University of Wisconsin, 1965), Women’s Swimming Coach and Lecturer in Physical Education
BAYLESS, KATHRYN, M.S. (Indiana University, 1974), Assistant Director of Recreational Sports
BEELER, CHERYL S., M.S. (Florida State University, 1977), Visiting Lecturer in Recreation and Park Administration

BELISLE, JAMES J., P.E.D. (Indiana University, 1960), Associate Dean for Administration and Undergraduate Studies of the School of Health, Physical Education, and Recreation, and Associate Professor of Physical Education
BELL, SAM, B.S. (University of Oregon, 1957), Head Track Coach, and Assistant Professor of Physical Education
BENSON, RAYMOND G., M.S. (Indiana University, 1961), Lecturer in Recreation and Park Administration
BILLINGSLY, HOBART S., M.S. (University of Washington, 1953), Assistant Swimming Coach and Associate Professor of Physical Education
BINKLEY, ANNE L., M.S. (Florida State University, 1976), Visiting Lecturer in Recreation and Park Administration
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 in Physical Education
BOWERS, HAROLD N., H.S.D. (Indiana University, 1972), Director, Hazard Control Programs, and Associate Professor of Health and Safety 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, 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), Assistant Professor of Physical Education

BURRUS, SANDRA K., PH.D. (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 (School of Education)

CHRISTIE, ROBERT M., Ph.D. (Southern Illinois University, 1972), Director of Bradford Woods, and Associate Professor of Recreation

COACHYS, RICHARD M., M.B.A. (Indiana University, 1971), Assistant Football Coach and Instructor in Physical Education

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

COUSINS, GEORGE F., P.E.D. (Indiana University, 1951), Professor of Physical Education

CREEWS, JAMES S., B.S. (Indiana University, 1976), Assistant Basketball Coach and Lecturer in Physical Education

CROWE, JAMES W., H.S.D., (Indiana University, 1970), Assistant Professor of Health and Safety Education

CUMMINS, MARGARET ADALINE, M.S. (Smith College, 1968), Women's Intercollegiate Golf Coach, and Instructor in Physical Education

DAL SASSO, CHRIS C., P.E.D. (Indiana University, 1957), Assistant Administrator, Department of Athletics, and Instructor in Physical Education

DAUGHERTY, JOHN B., Ph.D. (New York University, 1950), Professor of Physical Education

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

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

DOTY, JOHN M., Ph.D. (University of Michigan, 1972), Associate Professor of Environmental Health Science, Director of Public Health Academic Programs, and Associate Professor Part-Time of Health and Safety Education

DUSING, MARK J., B.S. (Indiana University, 1977), Coordinator of Intramural Sports

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

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

FITCH, ROBERT E., P.E.D. (Indiana University, 1954), Golf Coach, and Manager of the Golf Course, and Assistant Professor of Physical Education

FOX, LUCINDA GANT, M.S. (Northern Illinois University, 1973), Lecturer in Physical Education

GALLAHUE, DAVID L., Ed.D. (Temple University, 1970), Assistant Dean for Research and Development of the School of Health, Physical Education, and Recreation, and Associate Professor of Physical Education
GREER, H. SCOTT, Ed.D. (Columbia University, 1969), Head Tennis Coach, and Associate Professor of Physical Education

HAMM, GWENDOLYN ANN, M.S. (Indiana University, 1972), Assistant Professor in Physical Education

HICKS, ROBERT B., M.A. (George Peabody College for Teachers, 1954), Coordinator of Facilities, and Instructor in Physical Education

HOPE, S. MARGARET, M.S. (Indiana University, 1957), Assistant Professor of Physical Education

JOHNSON, NORMA JEAN, Ph.D. (University of Iowa, 1968), Assistant Professor of Physical Education

JORDAN, GREGORY T., M.S. (Indiana University, 1977), Assistant Director of Club and Informal Sports

KELLER, M. JEAN, M.S. (Florida State University, 1977), Visiting Lecturer in Recreation and Park Administration

KNIGHT, ROBERT N., B.S. (Ohio State University, 1962), Head Basketball Coach, and Assistant Professor of Physical Education

LAWRENCE, ROBERT E., M.S. (Indiana University, 1968), Head Baseball Coach, and Instructor in Physical Education

LAWSON, RICHARD W., Re.D. (Indiana University, 1970), Associate Professor of Recreation

LEWIS, BRIAN, B.A. (Ohio State University, 1967), Assistant Athletic Trainer and Part-time Lecturer in Physical Education

LEYHE, NAOMI L., P.E.D. (Indiana University, 1955), Professor of Physical Education

LOFT, BERNARD I., H.S.D. (Indiana University, 1957), Director of the Center for Safety and Traffic Education and Professor of Health and Safety Education

LUCAS, JOHN M., B.M. (Indiana University, 1963), Instructor in Physical Education

LUDWIG, DONALD J., H.S.D. (Indiana University, 1953), Chairperson, and 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 in Recreation and Park Administration

MAURO, HAROLD, JR., M.S. (Indiana University, 1970), Assistant Football Coach and Instructor in Physical Education

McAULEY, JANET E., P.E.D. (Indiana University, 1973), Assistant Professor of Physical Education

MEROLA, 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., M.A. (University of Iowa, 1960), 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

MULL, RICHARD F., M.S. (West Virginia University, 1968), Director of Recreational Sports, and Assistant Professor of Physical Education

NEEL, WALLACE B., M.Ed. (Ohio University, 1966), Assistant Football Coach, and Instructor in Physical Education

NEWBERG, SAM, H.S.D. (Indiana University, 1952), Assistant Professor of Physical Education

NOBLE, LINDA J., B.S. (Indiana University, 1969), Physical Physical Therapist and Lecturer in Physical Education

OTOSKI, ROBERT S., M.S. (Indiana University, 1965), Assistant Football Coach, and Instructor in Physical Education

PAGANI, THOMAS J., B.S. (California Polytechnical Institute, 1962), Assistant Track Coach, and Instructor in Physical Education

PATTERSON, MALCOLM D., M.S. (Indiana University, 1977), Coordinator of Lifetime Sports

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

PIERCY, ROBERT J., Ed.D. (Indiana University, 1974), Assistant Professor Part-time of
Health and Safety Education and Assistant Director, Hazard Control Program

POWELL, LOU G., M.S. (Florida State University, 1975), Visiting Instructor in Recreation and Park Administration

REMLEY, MAY L., Ph.D. (University of Southern California, 1970), Associate Professor of Physical Education

RILO, THOMAS J., Ph.D. (Southern Illinois University, 1964), Professor of Recreation

ROSS, CRAIG M., M.S. (Memphis State University, 1975), Coordinator of Intramural Sports

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

RYSER, OTTO E., Ph.D. (Indiana University, 1953), Professor of Physical Education

SCHRADER, JOHN W., B.S. (Purdue University, 1971), Assistant Trainer for Men's Intercollegiate Athletics, and Lecturer Part-time in Physical Education

SCHULZ, DIANE, M.S. (Western Illinois University, 1975), Women's Intercollegiate Gymnastics Coach, and Lecturer Part-time in Physical Education

SHANDS, RAY C., B.S. (Tulsa University, 1966), Assistant Football Coach, and Instructor in Physical Education

SHARPLESS, DANIEL R., Re.Dir. (Indiana University, 1970), Lecturer of Quantitative Business Analysis, Associate Director of Leisure Research Institute, and Lecturer of Health and Safety Education

SHERWIN, HILDA A., M.Ed. (Women's College of the University of North Carolina, 1953), Assistant Professor of Physical Education

SLATER-HAMMEL, ARTHUR T., Ph.D. (University of Iowa, 1947), Professor of Physical Education

SNYGG, FRAN, M.F.A. (New York University School of Arts, 1971), Assistant Professor in Physical Education

STRONG, CLINTON H., Ph.D. (University of Iowa, 1961), Coordinator of Continuing Education, and Professor of Physical Education

SUMMERS, DEAN, P.E.D. (Indiana University, 1956), 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

WALTERS, TRENT, M.S. (Indiana University, 1970), Assistant Football Coach, and Instructor in Physical Education

WATSON, LOUIS C., M.S. (Indiana University, 1952), Special Assistant to the Director of Athletics, and Associate Professor of Physical Education

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

WAYNE, JOSEPH E., III, Ed.D. (Indiana University, 1971), Assistant Professor of Health and Safety Education

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

WILSON, BILL R., M.S. (Indiana University, 1957), Assistant Professor of Recreation

WINDALL, E. JANE, P.E.D. (Indiana University, 1971), Visiting Assistant Professor in Physical Education

WOLFE, WAYNE A., M.S. (Indiana University, 1974), Instructional Developer in Recreation and Park Administration

YEAGLEY, JERAD L., M.Ed. (University of Pittsburgh, 1963), Soccer Coach, and Assistant Professor of Physical Education

YOUNG, ROBERT F., M.S. (Indiana University, 1971), Head Athletic Trainer, and Instructor in Physical Education
Indiana University

Founded in 1820, only four years after Indiana achieved statehood, Indiana University is one of the oldest state universities west of the Alleghenies. It has consistently met its original commitment of providing a statewide system of public higher education. Among the first American universities to admit women on an equal standing with men, I.U. also provides its services without regard to race, creed, or color.

Indiana University is ranked tenth in the nation with an enrollment totaling over 70,000 on its eight state campuses and including students from all fifty states and many foreign countries. With a faculty exceeding 3,200, its more than 100 departments offer some 5,000 courses of instruction.

The major division of Indiana University are the Bloomington campus (the largest and oldest), Indiana University—Purdue University at Indianapolis (IUPUI), and six other strategically located campuses at population centers over the state.

The Bloomington Campus

College of Arts and Sciences (includes the 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
Graduate Library School
University [Freshman] Division

Indiana University—Purdue University at Indianapolis

Indiana University Medical Center
Indiana University School of Medicine
Indiana University School of Medicine—Division of Allied Health Sciences
Indiana University School of Dentistry
Indiana University School of Nursing
Indiana University School of Law—Indianapolis
Indiana University School of Social Work
Indiana University School of Business
Indiana University School of Education
Indiana University School of Public and Environmental Affairs
Indiana University School of Continuing Studies—IUPUI Division
Herrick School of Art
IUPUI School of Liberal Arts
IUPUI School of Science
IUPUI School of Engineering and Technology
IUPUI School of Physical Education
IUPUI University Division

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)

The regional campuses grant degrees in the arts and sciences, education, business, and medical technology. Through the Division of General and Technical Studies, associate degrees and certificates are awarded in a number of paraprofessional areas.

Additional University facilities include Bradford Woods, the biological station at Crooked Lake, the Geologic Field Station in Montana, the Lake Monroe biology site, the Goethe Link Observatory and Morgan-Monroe Observatory of Goethe Link, the Angel Mounds historical site near Evansville, and Camp Brosius at Elkhart Lake, Wisconsin.

The Indiana University library system contains more than 11,000,000 items. Included in this system are the University Library, the Lilly Library, with its valuable collections of rare books and manuscripts, libraries at each of the regional campuses, school and departmental libraries, and collections at housing units in the Halls of Residence.

ADMISSION TO THE UNIVERSITY
Freshmen are expected to have graduated from high school and to have completed four units (years) of English and nine or more units in some combination of foreign language, mathematics, science, and social studies. Students for Arts and Sciences, Nursing, and Allied Health Sciences should have two or more units each of one foreign language, mathematics, and science. Students for Business and for Arts and Sciences curricula involving mathematics should have two years of algebra plus trigonometry.

In-state freshmen are expected to rank in the top half of their class and to have made scores above average for high school seniors on the College Board Scholastic Aptitude Test (SAT) or the American College Test (ACT). The Admissions Committee is authorized to make exceptions and consider unusual skills and qualifications. Adult applicants receive particular consideration.

Out-of-state freshmen are expected to rank in the top third of their class and to have test scores in the top third of high school seniors on the SAT or ACT.

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 course work on the eight campuses.

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

1. Inform your academic adviser of your decision as soon as possible. Degree requirements may vary from one campus to another but if your adviser knows of your plan, your academic program can be designed to meet the requirements of the campus you will eventually attend.

2. Contact the department chairperson (or the designated adviser) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, transfers in fine arts must submit portfolios of their work. Music transfer students must be auditioned.

3. As the date of transfer approaches, check with your campus Registrar to get information on Registration dates and procedures on the other campus. If there is a pre-registration 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 course work required for your program.

Transfer applicants who are residents of Indiana are expected to have cumulative grade indexes of C or higher.

Out-of-state transfer applicants are expected to have a C+ average or higher.

Applications may be filed after completion of the junior year in high school. Transfer applicants may apply during the school year preceding proposed entry. Closing dates for applications are December 1 for second semester, April 15 for summer sessions, and July 1 for first semester. An application fee of $15 is required for each applicant. All questions concerning admission should be directed to the Office of Records and Admissions, Student Services Building, Bloomington, Indiana 47405.

University Division. All students entering Indiana University directly from high school and all students transferring to the University during their freshman year enter the University Division. The chief purpose of the University Division is to guide freshmen toward their educational goals. Each freshman is assigned to a faculty counselor (usually in his/her major department), who advises the student in program-planning and assists with any academic questions or problems.

All new freshmen should participate in the preregistration program held in July, and all freshmen will be expected to participate in the fall orientation program on campus, which acquaints them with organizations and services of the University and instructs them in study techniques.

Nondiscrimination Policy. Indiana University complies with all Federal regulations prohibiting discrimination on the basis of race, religion, national origin, sex, age, or handicap in matters pertaining to admission, employment, and access to programs. The University has an Affirmative Action Program and an Affirmative Action Office on each campus to ensure compliance with these regulations. Persons with questions regarding discrimination should contact the Affirmative Action Office on their campus.

Credit by Examination. Students who have a strong background in a particular area may take special examinations for advanced placement and thus bypass introductory courses. Students who have superior preparation, or who through independent study are eligible for these examinations, are encouraged to accelerate their programs in this manner. The credit thus earned may be applied to meet normal degree requirements. There are also exemption examinations in some areas, such as music and foreign languages. Questions concerning such examinations and consequent credit should be directed to the department in which the work is given.

ACADEMIC REGULATIONS

Degree Requirements. Students are responsible for understanding all requirements for graduation and for completing them by the time they expect to graduate. Total hours required for the baccalaureate degree are 122 to 124, determined by the individual school. A minimum cumulative grade-point average of 2.0 (on a 4.0 basis) is necessary. Class standing is based on credit hours completed: freshman, fewer than 27; sophomore, 27-55; junior, 56-85; senior, 86 or more.

Employment. Undergraduate or graduate students who are employed on a full-time basis may not carry more than six hours of college credit per semester.

Semester Load. A student is not permitted to enroll in fewer than 12 or more than 18 hours except with special permission from the Dean of his school. The individual school sets the
policy concerning the required grade-point average before the student may receive permission to carry more than 18 hours.

**Grades.** The official grade system of the University is 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 = 1; D− = 0.7; and F = 0. Inclusion of elective physical education courses in the cumulative grade computation is determined by the specific school.

**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, his mark in the course shall be W if he is passing at the time of withdrawal and WF if he 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 his 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 Office of Records and Admissions 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 will be allowed to remove the Incomplete by taking the examination only if he has the approval of the Committee on Absence and the instructor.

The student may not register in a course in which he 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 fails to earn a C average. He remains on probation as long as he earns less than a C average in a given semester or has 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 [1] makes less than a 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.

Opportunities for Superior Students. The honors program, offered by some schools of the University, allows the student of superior ability and achievement to follow a course of independent study and research. Special sections for accelerated work are offered in some courses, and, by special examination, one may establish advanced standing or gain exemption from certain required courses. Further information on specific honors programs may be obtained by consulting the department head or the dean of the school.

Students satisfying the requirements of a department honors program are granted degrees indicating that they have participated in the "Honors Program of Independent Study and Research." The University also recognizes high cumulative grade averages by awarding degrees with various designations of "Distinction" or "Honors."

The Students Responsibility. All schools and colleges establish certain academic requirements which must be met before a degree is granted. These regulations concern such things as curriculum and courses, majors and minors, and campus residence. Advisers, director, and deans will always help a student meet these requirements, but the student himself is responsible for fulfilling them. At the end of his course of study, the faculty and the Board of Trustees vote upon the conferring of the degree. If requirements have not been satisfied, the degree will be withheld pending adequate fulfillment. For this reason, it is important for each student to acquaint himself with all regulations and remain currently informed throughout his college career.

Confidentiality of Student Records. Indiana University, in compliance with the General Education Provisions Act, Section 438, titled Family Educational Rights and Privacy Act, provides that all student records are confidential and available only to that student and to the student's parents, if the student is under twenty-one and dependent as defined by IRS standards. The student may review his record upon request and may ask for deletions or corrections of the record in a hearing process described in detail in the Statement of Student Rights and Responsibilities. References, recommendations, and other similar documents may carry a voluntary waiver relinquishing the student's right to review this specific material. The student may also release the record to others by signing a written release available in the offices which maintain records. Further details regarding the provisions of the Privacy Act, and a list of offices where student records are kept may be found in the Statement of Student Rights and Responsibilities, distributed at Fall registration or available in the office of the Dean of Students.

FEES

Fees are paid at the time of registration each semester and are subject to change by action of the trustees.

Fee Courtesy. Fees for a full-time (100% F.T.E.) employee enrolled in 1-6 credit hours in a semester or summer session will be assessed at one half the resident credit-hour rate at the campus where the employee enrolls, for the actual number of hours taken. Fees for credit hours in excess of six (6) in a semester or summer sessions will be assessed at full resident rate on that campus. The spouse of a full-time (100% F.T.E.) employee will be entitled to a fee courtesy consisting of a credit of one half of the resident undergraduate fee rate at the campus where the spouse enrolls for each credit hour up to a maximum of three credit hours per
semester or summer session. This credit will be applied against the full fees of the student at the appropriate resident or nonresident rate.

Veteran Benefits. Students who are eligible for veteran benefits may enroll under the following scale of benefits:

<table>
<thead>
<tr>
<th>Undergraduates</th>
<th>Benefits</th>
<th>Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 hours or more</td>
<td>full benefits</td>
<td>12 hours or more</td>
</tr>
<tr>
<td>9 through 11 hours</td>
<td>¾ benefits</td>
<td>9 through 11 hours</td>
</tr>
<tr>
<td>6 through 8 hours</td>
<td>½ benefits</td>
<td>6 through 8 hours</td>
</tr>
<tr>
<td>fewer than 6 hours</td>
<td>tuition only</td>
<td>fewer than 6 hours</td>
</tr>
</tbody>
</table>

For further information, consult the Veteran Affairs Office.

Basic Costs. Expenses for an undergraduate attending Indiana University at Bloomington for an academic year, including in-state semester fees, housing (room and board), and books and supplies, total approximately $2,250. Expenditures for clothing, travel, entertainment, and personal items are not included in this estimate.

First and Second Semesters, 1979/80

FEES ARE SUBJECT TO CHANGE BY ACTION OF THE TRUSTEES

<table>
<thead>
<tr>
<th>Undergraduate¹</th>
<th>Indiana Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auditing (no credit)</td>
<td>$31 per credit hour</td>
<td>$76 per credit hour</td>
</tr>
<tr>
<td>Special Fees (in addition to basic fees)</td>
<td>$40 per credit hour</td>
<td>$96 per credit hour</td>
</tr>
<tr>
<td>Student Teaching</td>
<td>$5 per hour</td>
<td>$35 per semester</td>
</tr>
<tr>
<td>Late enrollment or re-enrollment¹</td>
<td>$25</td>
<td>$10</td>
</tr>
<tr>
<td>Late program change</td>
<td>$5 to $13</td>
<td>$15</td>
</tr>
<tr>
<td>Special Exam</td>
<td>$4 for 4 or more hours</td>
<td>$2 for 3 or less hours</td>
</tr>
<tr>
<td>HPOR courses: Billiards, bowling, golf, and horsemanship</td>
<td>Payment made to Billiard Parlor, Bowling Alley, Golf Course, or Academy for use of facilities</td>
<td></td>
</tr>
</tbody>
</table>

Student Activity fee

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 $5 per credit hour for undergraduate transfer students during the first regular semester following their matriculation at Indiana University.

Transcripts

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 $5 per credit hour for undergraduate transfer students for the first regular semester following their matriculation at Indiana University.

Students activities fees:

Rentals:

<table>
<thead>
<tr>
<th>Locker HPOR building</th>
<th>$5 per semester,</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$4 for summer sessions</td>
</tr>
</tbody>
</table>

¹ Includes Continuing Studies credit courses.
Independent Study (Correspondence)
Undergraduate courses (residents and nonresidents) $23 per credit hour
High school level courses $25 per course

Summer Sessions Fee Schedule, 1980

<table>
<thead>
<tr>
<th></th>
<th>Indiana Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$31 per credit hour</td>
<td>$76 per credit hour</td>
</tr>
<tr>
<td>Graduate</td>
<td>$40 per credit hour</td>
<td>$96 per credit hour</td>
</tr>
<tr>
<td>Special Fees (in addition to basic fees)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student teaching</td>
<td>$50</td>
<td></td>
</tr>
<tr>
<td>Special examination</td>
<td>$5 to $13</td>
<td></td>
</tr>
<tr>
<td>Bowling, golf, horsemanship</td>
<td>[payment made to bowling alley, golf course, or academy for use of facilities]</td>
<td></td>
</tr>
<tr>
<td>Transcripts (after first)</td>
<td>$2.75</td>
<td></td>
</tr>
<tr>
<td>Student Activity fee</td>
<td>$2 for 4 or more hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1 for 3 or less hours</td>
<td></td>
</tr>
</tbody>
</table>

Fee Refund Schedule, 1979-80

<table>
<thead>
<tr>
<th></th>
<th>Refund for Withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>First and Second Semester</td>
<td></td>
</tr>
<tr>
<td>First week, or through Class Change day 100%</td>
<td></td>
</tr>
<tr>
<td>Second and third weeks 50% or all except $50, whichever is larger</td>
<td></td>
</tr>
<tr>
<td>Thereafter none</td>
<td></td>
</tr>
<tr>
<td>Summer Sessions</td>
<td></td>
</tr>
<tr>
<td>Intensive Sessions (courses 13-15 class days in duration)</td>
<td></td>
</tr>
<tr>
<td>Withdrawal before second class meeting 100%</td>
<td></td>
</tr>
<tr>
<td>Withdrawal before third class meeting 50% or all except $50, whichever is larger</td>
<td></td>
</tr>
<tr>
<td>Thereafter none</td>
<td></td>
</tr>
<tr>
<td>First and Second Sessions (courses 6 to 14 weeks in duration)</td>
<td></td>
</tr>
<tr>
<td>First week, or through Class Change Day 100%</td>
<td></td>
</tr>
<tr>
<td>Second Week 50% or all except $50, whichever is larger</td>
<td></td>
</tr>
<tr>
<td>Thereafter none</td>
<td></td>
</tr>
</tbody>
</table>

Fee Refund Procedure

Students may obtain fee refunds by applying to the Bloomington Office of Records and Admissions, Room 100, Student Services Building, when they withdraw from classes.

Rules Determining Resident and Nonresident Student Status for Indiana University Fee Purposes

These Rules establish the policy under which students shall be classified as residents or nonresidents upon all campuses of Indiana University for University fee purposes. Nonresident students shall pay a nonresident fee in addition to fees paid by a resident student.

These Rules shall take effect February 1, 1974, provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by this Rule, if he

1 Includes Continuing Studies credit courses.
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 or guardians of 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.
Housing

Bloomington Campus. The Halls of Residence system at Indiana University, recognized as outstanding among universities throughout the country, includes housing units for graduate, married, and single students. Rates range from $1,340 to $1,640 an academic year for single housing and from $81 to $219.50 a month for family housing apartments or trailers. When requesting housing in the University Halls of Residence, the student must enclose a $5 (non-refundable) application fee with the application. The Halls of Residence Office is located at 801 North Jordan, Indiana University, Bloomington, Indiana 47405.

Overseas Study Programs

Credit earned in overseas study programs sponsored by Indiana University, or participated in by Indiana University on a consortium basis, are considered Indiana University credit and are not transfer credit. Consequently, University scholarships and loans are applicable to fees for these programs. Credit usually satisfies Indiana University degree requirements and meets the senior residence requirement. Programs are not restricted to language majors. Indiana University's programs include academic year programs at Bologna, Hamburg, Jerusalem, Lima, Madrid, Strasbourg, and Sao Paulo; summer programs in Mexico City and Dijon; the Committee on Institutional Cooperation summer honors program in Mexico City; summer programs in Edinburgh and Bermuda, operated by the Division of Continuing Education, the American University Field Staff Centers in Southeast Asia; teacher training programs in Rennes, Nice, and Seville; the Council on International Educational Exchange Russian language program in Leningrad. The Department of Recreation and Park Administration, in cooperation with the Overseas Study Program and American Universities International Program in Leisure Sciences, sponsors a spring semester study program at the University of Edinburgh, Edinburgh, Scotland. This fully accredited program is available for recreation and park majors only. For further information consult the University Overseas Study Programs Office, Student Services Building 303, Bloomington campus, or international program coordinators on each I.U. campus.

STUDENT SERVICES

For location and telephone numbers of specific offices consult the Indiana University Telephone Directory.

Scholarships and Financial Aids. This office offers information and assistance to undergraduate students seeking scholarships and other types of financial aid, and to graduate students interested in loans and part-time employment. Information concerning all other types of financial aid for graduate students should be obtained through the student's school or department.

Employment. The Student Employment Section of the Office of Scholarships and Financial Aids lists openings for part-time jobs in the Halls of Residence, campus offices, libraries, Bookstore, Indiana Memorial Union, and fraternity and sorority houses.

Student Health Service. Available to all regularly enrolled students on the Bloomington campus, the Health Service provides evaluation of the physical examinations required of new students, outpatient medical care, a psychiatric clinic for evaluation and short-term therapy, an environmental health and preventive medicine program, and assistance in the administration of the student group hospital insurance plan. For students enrolled in 7 or more credit hours, a prepaid fee of $15 per semester entitles a student to most of these services. Those enrolled in less than 6 hours may pay $30 per semester. Those who do not prepay at the beginning of the semester [before Drop and Add day] may pay for services as provided according to a schedule of charges available at registration and throughout the year at the Student Health Center. The Health Center building has a 18-bed inpatient facility. Except for emergencies, students are seen only during clinic hours [8:00 until 11:30 a.m. Monday
through Saturday and 1:00 until 4:30 p.m. Monday through Friday] by appointment and presentation of a current I.D. card.

Clinical Services. The Reading and Study Skills Center trains students in improving reading speed and comprehension. Students with speech and hearing defects are eligible for therapy at the Speech and Hearing Center. The Psychological Clinic of the Department of Psychology and the Student Health Psychiatric Service help students with personal problems or with special problems in choosing careers. Vocational information is kept up to date in the Occupational Library in the Counseling and Psychological Services Center, which also provides individualized testing services and consultation services to individuals and groups within the University community. Students also have access to the Optometry Clinic.

Placement Services. Information about employment in specific career fields is available from any of these locations: placement offices, deans' offices, and/or department chairman. The University maintains job placement bureaus which serve students free of charge. The Bureau of Educational Placement registers qualified students for teaching and associated positions. The Business Placement Office of the School of Business arranges interviews with recruiters from business and industry for students of all schools and divisions and for University alumni. It also publishes a list of positions open in business and industry. The Government Placement Office in the College of Arts and Sciences, Kirkwood Hall 114, helps students find employment with local, state, and federal agencies, including civil and foreign agencies. In addition to these formal services, each of the departments in the School of Health, Physical Education, and Recreation works actively in placing graduates of the School.

Indiana Memorial Union. Centrally located on the Bloomington campus, the Union offers numerous services to students, faculty and staff, and visitors. The Commons and the Kiva serve short-order meals and snacks, the Cafeteria provides breakfast, luncheon, and dinner on a self-service basis, and for more leisurely dining, the Tudor Room serves luncheon and dinner. Other facilities in the Union include barber and beauty shops, a newsstand and post office, meeting rooms, and four large lounges. Guest rooms for visitors are available in the Union's Biddle Continuation Center.

The Indiana University Bookstore, also located in the Union, carries required and supplementary textbooks, and used books, and supplies, as well as tradebooks and University souvenirs. It also maintains a check-cashing service for students and faculty. A branch of the Bookstore is located in Gresham Hall of Foster Quadrangle.

Wrubel Computing Center. The WCC provides large high-speed computing equipment and computing expertise to support faculty and student research and for programming exercises assigned in computer science and other courses.

ACTIVITIES

Students are encouraged to attend and participate in extracurricular programs and activities.

In addition to recreational programs of the Halls of Residence and activities of fraternities, sororities, and independent groups, a program of indoor sports and diversion is maintained by the Indiana Memorial Union. Bowling, ping-pong, billiards, cards, chess, and television are offered. The well-equipped Craft Shops offer free of charge or at nominal cost instruction in skills like pot-throwing, jewelry-making, macramé, and block-printing. The Union Board, a group of student program-planning committees, sponsors art exhibits, a film series, pop concerts, free University classes, and lectures.

Beechwood Heights, the University’s 33-acre recreational area on Lake Lemon, eight miles east of Bloomington, provides facilities for swimming, sailing, and picnicking. Large state forest preserves and state parks are also within easy driving distance of the campus.

Homecoming, the Little 500 bicycle race and weekend, and the Christmas Madrigal Dinners are among the well-known yearly events at Indiana University.
Indiana University is a member of the Big Ten Conference and participates in football, baseball, basketball, golf, tennis, cross-country, track, swimming, wrestling, gymnastics, and soccer. The 52,354-seat Memorial Stadium, complete with artificial turf, and the new 16,666-seat Assembly Hall are supplemented by several sports fields, tennis and squash courts, swimming pools, golf courses, and other facilities.

Within the School of Health, Physical Education, and Recreation, the Division of Recreational Sports supplies a broad spectrum of sports programming. The total effort provides for varying degrees of competitive activity, and it is available to help satisfy the leisure time needs and interests of the University community.

One phase of recreational sports which is very popular is the Informal Sports program. Here participants are able to utilize campus sports facilities on a casual and self-directed basis according to their own schedule and at their convenience.

Structured programs in Intramural Sports provide for participation in highly organized tournaments leading to all-campus championships, as well as casual competition with a minimum emphasis placed on winning. This is accomplished through four (4) program areas: women's intramurals, men's intramurals, co-intramurals, and special events. Men's and women's intramural sports provide for a variety of team, dual, individual, and meet experience with twenty-three (23) sports for men and nineteen (19) sports for women. For those wishing to participate in mixed competition, a co-intramural sports program offers ten (10) tournaments. Special events are uncommon sports contests designed for enjoyment resulting from expressed student interests.

Another phase of recreational sports receiving much interest is the Club Sport program. There are twenty-six (26) different club sports on campus that organize because of a common interest in competitive activity. Each club functions independently with a Sports Club Federation serving as a coordinating agency.

There are also numerous opportunities for students to gain leadership experience as volunteers or employees within the Recreational Sports program. Individuals may become involved as: officials, unit managers, facility supervisors, life guards, club leaders, as well as a member of the Intramural Governing Boards, Informal Sport Council, and Student Recreational Sports Association.

Following is a list of sports that are offered through the different programs available in Recreational Sports: Aikido, Archery, Badminton, Basketball, Billiards, Bowling, Cageball, Canoe/Kayak, Cross Country, Fencing, Flag Football, Frisbee, Golf, Handball, Inertube, Water Polo, Ice Hockey, Jogging, Judo, Karate, Kendo, Kickball, Lacrosse, Racquetball, Rifle and Pistol, Rugby, Scuba, Soccer, Softball, Swimming, Synchronized Swimming, Table Tennis, Tae Kwon Do, Team Volleyball, Track and Field, Trap and Skeet, Volleyball, Water Polo, Weight-lifting, and Wrestling.

The great concert artists, ballet companies, Broadway plays, and musical shows appear at the Indiana University Auditorium. The School of Music presents more than 900 student and faculty concerts, recitals, operas, and ballets annually. The University Theatre and the Indiana Theatre Company offer a full season of plays, in addition to summer stock at Brown County Playhouse in nearby Nashville, Indiana.

There are approximately 125 student organizations on campus other than fraternities, sororities, and residence hall groups. These include political, international, departmental, and athletic clubs. The Volunteer Students Bureau serves the community in projects like public school tutoring, Headstart, and Crisis Biology recycling.

Students are urged to take part in the activities of student government, from the level of their living units on to the all-campus governing body.

Mortar Board for seniors and Blue Key for juniors and seniors are national activity honoraries on campus which recognized students for outstanding grades, services, and leadership. Scholastic honoraries for freshmen are Alpha Lambda Delta and Phi Eta Sigma. (See bulletins of specific schools about other scholastic honoraries.)

For those interested in aspects of publication, positions are open on the Indiana Daily Student, the campus newspaper, Arbatus, the yearbook, and several creative writing magazines.
The YMCA sponsors religious, social, and service activities on campus and in the community. All Bloomington churches welcome students to their congregations, and many have special programs for them. Beck Chapel, near the center of campus, is open at all times and serves all faiths.

In the School of Health, Physical Education, and Recreation, a number of clubs are sponsored by the different departments as well as by the School. The Department of Health and Safety Education sponsors the Nu Chapter of Eta Sigma Gamma (national honorary fraternity). The Department of Physical Education sponsors the Dance Theater (for men and women interested in concert performances), and the Beta Psi Chapter of Delta Psi Kappa (national honorary physical education fraternity). The Department of Recreation and Park Administration sponsors the Undergraduate Recreation Society and the Graduate Recreation Society.
OFFICERS

President    Robert Goodrich
President-Elect Hugh Vickers
Vice-Presidents:
Health and Safety  Joy Kirchner
Physical Education  Dee Compton
Recreation and Parks  Brett McGinnis
Secretary-Treasurer  Sam Newberg

BOARD OF DIRECTORS

Bert Rollins    Art Habegger    Eric Taylor
Bob Hoffman    William Locke    Howard Mandel
James Arvin    Don Crask    Ruth Hidore
To: Undergraduate advisors, School of HPER

From: James J. Belisle, Associate Dean for Administration and Undergraduate Studies

Subject: Professional Education course substitutions

We have learned that students on the old teacher certification pattern may substitute the following courses in the area of Professional Education:

<table>
<thead>
<tr>
<th>Old program</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC P200</td>
<td>EDUC H340, Education and American Culture</td>
</tr>
<tr>
<td>EDUC P280</td>
<td>EDUC P253, Educational Psychology for Secondary Teachers</td>
</tr>
<tr>
<td>EDUC S485</td>
<td>EDUC M300, Intro. to Educ. in a Culturally Pluralistic Society or EDUC M313, Teaching in the Secondary Schools</td>
</tr>
</tbody>
</table>

This information should be helpful as you counsel students for the Fall semester.