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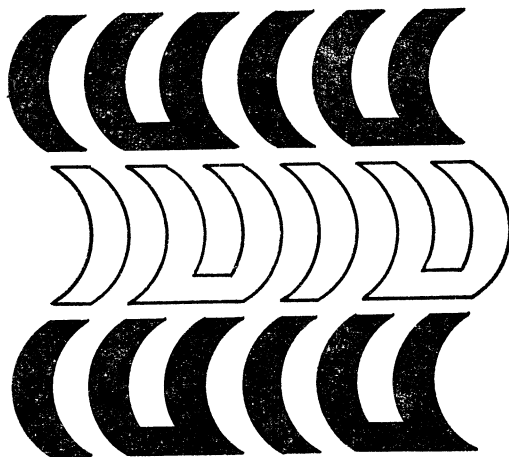
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INDIANA UNIVERSITY

Bulletins for the following academic divisions of the University may be obtained from the Office of Records and Admissions, Bryan Hall, Indiana University, Bloomington, Indiana 47401, unless specified otherwise.

COLLEGE OF ARTS AND SCIENCES
DIVISION OF OPTOMETRY
SCHOOL OF BUSINESS
SCHOOL OF DENTISTRY
SCHOOL OF EDUCATION*
DIVISION OF GENERAL AND TECHNICAL STUDIES
GRADUATE SCHOOL
SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION
NORMAL COLLEGE OF THE AMERICAN GYMNASTIC UNION
SCHOOL OF LAW
GRADUATE LIBRARY SCHOOL
SCHOOL OF MEDICINE
DIVISION OF ALLIED HEALTH SCIENCES
SCHOOL OF MUSIC
SCHOOL OF NURSING
DIVISION OF REGIONAL CAMPUSES†
GRADUATE SCHOOL OF SOCIAL SERVICE
SUMMER SESSIONS
DIVISION OF UNIVERSITY EXTENSION‡

* Two *Bulletins* are issued: graduate and undergraduate.
† Write to this Division (Owen Hall) for a *Bulletin*, specifying the particular regional campus.
‡ Brochures on the Correspondence Study Bureau, Bureau of Public Discussion, Labor Education and Research Center, and Audio-Visual Center are available from this Division (Owen Hall).



**BULLETIN OF THE SCHOOL OF HEALTH,
PHYSICAL EDUCATION, AND RECREATION**

**INDIANA
UNIVERSITY**

ADMINISTRATIVE OFFICERS

Of the University

ELVIS J. STAHR, B.C.L., LL.D., President of the University
HERMAN B. WELLS, A.M., LL.D., Chancellor of the University; President of the Indiana University Foundation
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DON SCHERER, Registrar and Director of the Office of Records and Admissions

Of the School of Health, Physical Education, and Recreation

ARTHUR S. DANIELS, Ed.D., Dean of the School of Health, Physical Education, and Recreation (Deceased, June, 1966)
JOHN R. ENDWRIGHT, M.S. in P.Ed., Acting Dean of the School of Health, Physical Education, and Recreation
J. W. ORWIG, B.S., Director of Athletics

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

Second-class postage paid at Bloomington, Indiana. Published thirty times a year (five times each in November, January; four times in December; twice each in October, March, April, May, June, July, September; monthly in February, August) by Indiana University from the University Office, Bloomington, Indiana 47401.

Vol. LXIV, No. 24 Bloomington, Indiana November 15, 1966

Calendars

Bloomington Campus

1966-67

1967-68

First Semester

New student meetings—		
Junior Division.....	Sept. 12, M.....	Sept. 10, Sun, 7:30 p.m.
Transfer and graduate.....	Sept. 12, M.....	Sept. 11, M, 9 a.m.
Counseling.....	Sept. 12, 13; M, T.....	Sept. 11, 12; M, T
Registration.....	Sept. 14, 15; W, Th.....	Sept. 13, 14; W, Th
Classes begin.....	Sept. 16, F, 7:30 a.m.....	Sept. 15, F, 7:30 a.m.
Mid-term reports due.....	Nov. 11, F, 5 p.m.....	Nov. 8, W, 5 p.m.
Thanksgiving recess begins (after last class).....	Nov. 23, W.....	Nov. 21, T
Classes resume.....	Nov. 28, M, 7:30 a.m.....	Nov. 27, M, 7:30 a.m.
Christmas recess begins (after last class).....	Dec. 21, W.....	Dec. 20, W
Classes resume.....	Jan. 4, W, 7:30 a.m.....	Jan. 3, W, 7:30 a.m.
Advance registration (for second semester).....	Jan. 4-18.....	Jan. 3-17
Classes end.....	Jan. 18, W.....	Jan. 17, W
Exams begin.....	Jan. 20, F, 7:45 a.m.....	Jan. 19, F, 7:45 a.m.
Exams end.....	Jan. 27, F, 5:15 p.m.....	Jan. 26, F, 5:15 p.m.

Second Semester

New student meetings.....	Jan. 31, T.....	Jan. 30, T
Counseling.....	Feb. 1, 2; W, Th.....	Jan. 31, Feb. 1; W, Th
Registration.....	Feb. 3, 4; F, S.....	Feb. 2, 3; F, S
Classes begin.....	Feb. 6, M, 7:30 a.m.....	Feb. 5, M, 7:30 a.m.
Mid-term reports due.....	Mar. 24, F, 5 p.m.....	Mar. 29, F, 5 p.m.
Spring recess begins (after last class).....	Mar. 24, F.....	Apr. 5, F
Classes resume.....	Apr. 3, M, 7:30 a.m.....	Apr. 13, M, 7:30 a.m.
Founders' Day*.....	May 3, W.....	May 1, W
Advance registration (for first semester).....	May 15-27.....	May 13-25
Classes end.....	May 27, S, 12:15 p.m.....	May 25, S, 12:15 p.m.
Exams begin.....	May 29, M, 7:45 a.m.....	May 27, M, 7:45 a.m.
Memorial Day holiday.....	May 30, T.....	May 30, Th
Exams end.....	June 6, T, 5:15 p.m.....	June 4, T, 5:15 p.m.
Commencement.....	June 12, M, 10 a.m.....	June 10, M, 10 a.m.

Summer Sessions

Intersession

Counseling and registration.....	June 6, T.....	June 4, T
Classes begin.....	June 7, W, 7:30 a.m.....	June 5, W, 7:30 a.m.
Classes end.....	June 21, W.....	June 19, W

Regular Session

New student meetings and counseling.....	June 20, T.....	June 18, T
Registration.....	June 21, W.....	June 19, W
Classes begin.....	June 22, Th, 7:30 a.m.....	June 20, Th
Monday classes meet.....	June 24, S.....	June 22, S
Independence Day holiday.....	July 4, T.....	July 4, Th
Tuesday classes meet.....	July 8, S.....	July 6, S
Wednesday classes meet.....	July 22, S.....	
Thursday classes meet.....	Aug. 5, S.....	Aug. 3, S
Classes end.....	Aug. 10, Th.....	Aug. 9, F

Postsession

Counseling.....	Aug. 9, W.....	Aug. 8, Th
Registration.....	Aug. 10, Th.....	Aug. 9, F
Classes begin.....	Aug. 11, F.....	Aug. 10, S
Classes end.....	Aug. 26, S.....	Aug. 24, S

* 9:30, 10:30, 11:30, and 12:30 classes do not meet.

Table of Contents

	Page
INDIANA UNIVERSITY GENERAL STATEMENT	3
Admission	3
Inter-Campus and Intra-University Transfers	4
Fees	4
Housing	5
Academic Regulations	5
Junior Division	5
Scholastic Information	6
Student Services	7
Student Activities	8
School of Health, Physical Education, and Recreation	9
DEPARTMENTS IN THE SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION	10
GRADUATE DIVISION	12
General Requirements for Advanced Degrees	12
Master of Science Degree Special Requirements	13
Certificate of Supervision	14
Athletic Training	14
Health Coordinator Certificate	14
Director's Degree Special Requirements	14
Doctorate Degree Special Requirements	15
UNDERGRADUATE DIVISION	18
Special Requirements and Restrictions	18
SUGGESTED CURRICULA	19
Physical Education Major for Women	19
Physical Education Major for Men	20
Health and Safety Major Men and Women	21
Recreation Major	22
Dance Major	23
Athletic Training Major	24
COURSES IN THE SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION 1967-68	25
Athletics	25
Health Education	26
Physical Education for Men	27
Physical Education	27
Recreation	29
Safety Education	30
Technical Courses	30
Physical Education for Women	31
Education Courses	32
RESERVE OFFICERS' TRAINING CORPS (ROTC)	33
Department of Military Science	33
Department of Aerospace Studies	34
FACULTY OF THE SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION, 1966-67	36

Indiana University General Statement

Indiana University. Created in 1820 by an Act of the General Assembly, Indiana University has grown until it is now ranked the twelfth largest university in the nation in terms of full-time enrollment. The University is composed of ten academic schools and divisions, with a faculty exceeding 2,500. To meet the needs of approximately 41,000 full- and part-time students, the University offers 5,000 courses of instruction in more than 100 departments. Its graduate divisions offer 36 advanced degrees in 62 areas.

Students from all 50 states and from many foreign nations are enrolled on its main, Medical Center, and regional campuses. Indiana University is in year-round operation, with two regular semesters and a three-session summer program which is one of the largest in the nation.

Campuses. The main campus of the University at Bloomington comprises 2,000 acres of woodland traversed by the meandering stream known to generations of students as the Jordan River. Most major academic buildings are confined to the area between Third and Tenth Streets and Indiana and Jordan Avenues, while residence halls, fraternity and sorority houses, and University service divisions border this area. Buildings for the most part are constructed of native limestone, enhancing the natural beauty of the campus.

The 80-acre Medical Center Campus, located less than one mile from downtown Indianapolis, encompasses the Schools of Medicine, Nursing, and Dentistry, and the Division of Allied Health Sciences. On this campus are numerous academic and administrative buildings, clinical and research laboratories, residence halls, and the Union Buildings. The Medical Center has extensive hospital facilities, providing students with practical experience in patient care and health education.

Also located in Indianapolis are the University's Indianapolis Division of the School of Law, Graduate School of Social Service, and Normal College of the American Gymnastic Union.

Regional campuses and centers, most of them in new buildings and expanded settings, are located in East Chicago, Fort Wayne, Gary, Indianapolis, Jeffersonville, Kokomo, Richmond, South Bend, and Vincennes.

Additional University facilities include Bradford Woods, Crooked Lake, the Geological Field Station in Montana, the Monroe County Reservoir biology site, the Goethe Link Observatory, and Camp Brosius at Elkhart Lake, Wisconsin.

ADMISSION

An Indiana resident who (1) graduates from a commissioned (or accredited) high school, (2) ranks in the top half of his class, (3) makes scores above average for a high school senior on the College Board Scholastic Aptitude Test (SAT) or the American College Test (ACT), and (4) completes application procedures at the appointed time may expect admission to Indiana University. All divisions enrolling freshmen use the same procedures and standards. The Admissions Committee is authorized to make exceptions to the above standards and invites students to submit evidence of unusual skills or abilities.

Preparatory courses should include four years of English (one-half unit each of speech and journalism may be included) and nine or more units in mathematics, science, foreign language, and social studies. Students seeking admission to the College of Arts and Sciences or School of Nursing should include two or more years each of mathematics, science, and foreign language.

Out-of-state freshmen will be selected from applicants whose rank and test scores are in the top fourth of high school seniors.

Transfer applicants from Indiana whose grades at all colleges attended average at least C (2.0 on a 4.0 system), whose records of conduct are clear, and whose applications have been completed at the appointed time may expect admission.

Out-of-state transfer students will be admitted from applicants with an average of B or better.

Applications may be filed after completion of the junior year in high school. Early admission will be granted to superior students who have completed the required tests and are taking the necessary senior subjects. Transfer applicants may apply during the school year preceding proposed entry. Closing dates for applications are January 5 for second semester, May 15 for summer sessions, and July 15 for September. An application fee of \$10 is required of each applicant who is new to the University. All questions concerning admission should be directed to the Office of Admissions, Bryan Hall, Indiana University, Bloomington, Indiana 47401.

INTER-CAMPUS AND INTRA-UNIVERSITY TRANSFERS

Students who have been regularly admitted to Indiana University, who have attended at one campus or in one degree-granting division, and who have maintained at least a 2.0 accumulative grade-point average may ordinarily transfer to another campus or another degree-granting division by complying with established procedures. For this purpose compliance with prescribed filing dates given above is essential.

FEES

Indiana University does not charge resident students a tuition fee for the cost of instruction. Fees charged nonresidents cover in part the cost of instruction. A portion of fees is allocated for cultural and recreational uses and for health services.

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

Fee Courtesy. Faculty and staff members and their wives receive 50 per cent reduction in basic fees; there is no reduction in special fees, rentals, or deposits.

Basic Costs. Expenses for attending Indiana University at Bloomington for an academic year, including in-state semester fees, housing (room and board), and books and supplies total approximately \$1,280. Expenditures for clothing, travel, entertainment, and personal items are not included in this estimate.

Schedule of Fees, 1967-68

	Rates per Credit Hour	
	In-State	Out-of-State
Junior Division	\$11	\$32
School of Health, Physical Education, and Recreation	11	32
Regional Campuses		
Undergraduate	15	23
Graduate	18	26
Summer Sessions		
Undergraduate	11	32
Graduate	11	32
Correspondence Study		
High School Work	\$18 per course	
Residents and Nonresidents	13 a credit hour	

Special Fees (in addition to basic fees)		
Adult Education Courses	Fees as announced by each campus	
Student Teaching	\$50 a semester	
Special Examination	5	
Credit by Examination	10	
Late enrollment or re-enrollment	25	
Other incidental special fees include laboratory, rentals, breakage, deposits, etc.		
Fee Refund Schedule		
Summer Session		
First Week (until class change day)	100%	
Second Week	50%	
Thereafter	0	

HOUSING

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. All freshman women, except those exempted by the Dean of Students on the basis of employment or local residence with relatives, are required to live in either the University Halls of Residence or in officially approved private dormitories. Other housing accommodations are available in private homes, approved by the University, and in fraternity and sorority houses.

Rates in the Halls of Residence range from \$680 to \$980 an academic year for single housing and from \$50 to \$155 a month for married housing apartments or trailers. Less expensive accommodations for single students are provided in cooperative and residence scholarship housing units. Fraternity and sorority housing runs slightly higher than Halls of Residence. When requesting housing accommodations in the University Halls of Residence, a \$25 deposit must be forwarded with the application. The Off-Campus Housing Office maintains a list of private rooms. Housing offices are located at 801 North Jordan, Bloomington, Indiana 47401.

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 five hours of college credit per semester.

JUNIOR DIVISION

All students entering Indiana University directly from high school and all students transferring to the University during their freshman year enter the Junior Division. The chief purpose of the Junior Division is to guide the freshman student toward his educational goal.

Counseling. Each freshman is assigned a faculty counselor (usually in his major department), who advises him in his program planning and assists him with any academic questions or problems.

Orientation and Registration. All new freshmen should participate in the pre-registration program held from mid-July through early August, 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.

SCHOLASTIC INFORMATION

Grades. The official grade system of the University is as follows: A=4 credit points; B=3; C=2; D=1; and F=0. Inclusion of the required physical education courses in cumulative grade computation is determined by the specific school.

Withdrawals. A grade of W is given automatically to the undergraduate student who withdraws during the first three weeks of a regular semester and during the first two weeks of a summer session on the date of his withdrawal. Thereafter, it is given only when the student withdraws with the approval of his dean, based on urgent reasons relating to health or equivalent distress, and if the student is passing on the date of withdrawal. If the student is failing on the date of withdrawal, the grade recorded on that date shall be WF (withdrawn, failing).

Incompletes. If a student is not in attendance during the last several weeks of a semester, the instructor may report a grade of I (indicating the work is satisfactory at the end of the semester but has not been completed) if he has reason to believe the absence was beyond the student's control; if not, he shall record a grade of F. A grade of Incomplete must be removed within one calendar year of the date of its recording, or the dean of the school in which the student is enrolled will authorize the grade to be changed to F. A grade of Incomplete may be removed if the student completes the work within the time limit or if the dean authorizes the change of the Incomplete to W. A student may not register in a course in which he has a grade of Incomplete.

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. Excessive absence will be reported to the Dean of Students.

A student who misses a final examination and who has a passing grade up to that time is given temporarily a grade of Incomplete if the instructor has reason to believe the absence was beyond the student's control. The Committee on Absence of 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 Committee on Admissions and Probation, 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 departmental 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."

STUDENT SERVICES

Scholarships and Financial Aids. Information concerning scholarships and loans available to undergraduate students may be obtained from the Director of Scholarships and Financial Aids, Room 205, Maxwell Hall, Indiana University, Bloomington, Indiana 47401. Graduate students may obtain information on scholarships and fellowships through the Office of the Graduate School.

Employment. The Student Employment Office lists openings for part-time jobs in halls of residence, campus offices, libraries, bookstores, Indiana Memorial Union, and fraternity and sorority houses. Students seeking suitable employment should contact the Student Employment Office, Indiana University, Bloomington, Indiana 47401.

Libraries. Ranked tenth in size among university libraries in America, the Indiana University Library system contains more than 4,500,000 items. Most of the books and periodicals have been selected by the faculties of the various departments to facilitate both instruction and research. Comprising the University library system are a main library, for graduate and faculty use; an undergraduate library; the Lilly Library, for special collections and rare books; the several libraries at the regional campuses; school libraries, such as Music, Medicine, Law, etc.; and collections at housing units in the Halls of Residence system. In addition, many departments have collections centered around their specific areas of interest.

Student Health Service. Available to all regularly enrolled students on the Bloomington Campus, the Health Service provides evaluation of the physical examinations required of students coming to the Bloomington Campus for the first time, outpatient medical care similar to that expected from the student's family physician, admission to the 108-bed infirmary for treatment of minor and many major medical problems, a Psychiatric Clinic, for evaluation and short-term therapy, a program in environmental health and preventive medicine, and assistance in the administration of the student group hospital insurance plan. The Health Center is located at Tenth Street and Jordan Avenue.

Clinical Services. Students have access to several clinics at the University. The Reading and Study Skills Center helps students to improve reading speed and comprehension. The Remedial Speech and Hearing Clinic provides therapy for students who have speech and hearing defects, while the Psychological Clinic and the Counseling Office of the Dean of Students Division help students with personal problems or with special problems in choosing careers.

Placement Services. The University maintains three job placement bureaus which serve students free of charge. The Bureau of Educational Placement registers qualified students for teaching and associated positions. Business Placement 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 Ballantine Hall helps students to find employment with local, state, and federal agencies, including civil and foreign service agencies.

Indiana Memorial Union. Centrally located on campus, the Union provides numerous services. The Commons and Kiva are popular for snacks, the Cafeteria for self-service meals, and the Tudor Room for leisurely dining. Also in the Union are barber and beauty shops; a newsstand and post office; meeting rooms; three large lounges; a browsing room; a bowling alley; and a billiard room. Guest rooms for visitors are available in the Union's Biddle Continuation Center.

The Bookstore, also located in the Union, carries required and supplementary texts, used books, and supplies, as well as University insignia apparel and souvenirs. It also maintains a check-cashing service for the convenience of students and faculty. This self-supporting department of the University has two branch stores, one in Gresham Hall of Foster Quadrangle, and one in Clark House of Daniel Read Hall.

STUDENT ACTIVITIES

Students are encouraged not only to attend but to take part in extracurricular programs and activities, including athletics, theatre productions, the more than forty musical organizations on campus, debate and public speaking activities, and programs of the Department of Radio and Television. Others become interested in working with student publications, including *The Indiana Daily Student*, campus newspaper; the year-book, *Arbutus*; and creative writing magazines.

Recreation. In addition to recreational programs of the halls of residence, social events of fraternities and sororities, and activities of independent groups, a program of indoor sports and recreation including bowling, table tennis, billiards, television, cards, and chess is maintained by the Indiana Memorial Union. A well-equipped Craft Shop is available to students without charge. The Union Board sponsors such events as Campus Quiz Bowl, formal dances and dinners, pop concerts with nationally known dance bands and top entertainers, and special interest groups including Spelunkers, Sailing, and Rifle Clubs. Beechwood Heights, the University's 33-acre recreational area on Lake Lemon, provides facilities for swimming, sailing, picnicking, and outdoor games. Large state forest preserves and state parks are also within easy driving distance of the campus.

Cultural Events. The world's leading concert artists, professional Broadway plays, musicals, and ballets come to the campus for performances on the Auditorium and Celebrity Series. Free convocations feature outstanding lecturers and distinguished presentations in politics, public affairs, sciences, and the arts. Reading and discussion series and forums and art exhibits also are among the cultural opportunities available for students. The School of Music presents professionally acclaimed student productions in the fields of opera, recital, and ballet. The University Theatre offers a full season of the best in drama on campus and in its summer seasons at the Brown County Playhouse and the Showboat Majestic.

Social and Traditional Events. Homecoming, President's Ball, Little 500 weekend, Military Ball, and Christmas Eve on Campus are among the traditional events on campus.

Athletic Events and Facilities. Indiana University is a member of the Big Ten Conference and participates in all Big Ten sports: football, baseball, basketball, golf, tennis, track, swimming, wrestling, and gymnastics. A large new stadium and field house are supplemented by other facilities including several sports fields, swimming pools, golf courses, and tennis courts.

An extensive intramural sports program provides recreational opportunities for every student. The finest facilities for swimming, golf, tennis, volleyball, archery, and bowling are available.

Student Government. Students are urged to take part in the activities of student government, ranging from those of their living unit to the all-campus student government represented by the executive (student body president and his cabinet), legislative (student senate), and judicial (student supreme court) branches.

Student Organizations. There are approximately 150 student organizations on campus other than fraternities, sororities, and residence hall groups, as well as representative groups of many local, state, national, and international organizations.

Religious Organizations. All church denominations welcome students into their congregations, and many churches sponsor special programs for students. General religious groups on campus conduct extensive religious, social, and service activities. The Beck Chapel, near the center of the campus, serves all faiths and beliefs.

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

The School of Health, Physical Education, and Recreation of Indiana University began official operation as an autonomous School of the University, July 1, 1946. The program of the School is a reorganized continuation of work of several agencies which have been joined in this division 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 of physical and health education with the first graduates in this field receiving degrees in 1926. The Departments of Physical Education for Women and Physical Education and Athletics for Men at Indiana University for many years have been developing programs of service physical education courses, intramural sports, and recreation activities.

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

DEPARTMENT OF ATHLETIC PROFESSIONAL TRAINING

Director Orwig; Professor Counsilman; Associate Professors Harrell, Pont; Assistant Professors Andres, Billingsley, Fitch, Landin, Lavery, Watson; Instructors Baker, Bolyard, Brown, Dal Sasso, Fairfield, Fry, Hicks, Lawrence, Luft, McDaniel, Mourouzis, Perrin, Plank, Van Schoyck

The function of this Department is to provide experiences through the various courses required in the professional preparation of teachers and coaches for the public schools. It also provides laboratory experiences in the various sports programs and for young men planning a career in athletic training.

Members of the coaching staff also teach in the basic instruction program.

DEPARTMENT OF HEALTH AND SAFETY EDUCATION

Professors Loft, Ludwig, Rash (Chairman); Assistant Professors Brennan, Crowe, Dane; Instructor Mitchell

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.

This 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 and Traffic Education, 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, businesses, and/or industries.

NORMAL COLLEGE OF THE AMERICAN GYMNASTIC UNION DEPARTMENT

Director and Assistant Professor Lohse; Associate Professor Hester (Dean of Women); Assistant Professor Martin (Dean of Men); Instructors Berry, Kimball, Lienert; Lecturer Gregg.

The Normal College of the American Gymnastic Union merged with, and became an integral part of, Indiana University in 1941. An affiliation between the two institutions had existed since September, 1932. Between 1932 and 1941, the fourth year of the work had been given by Indiana University at Bloomington. Since 1941-42 the junior year and the senior year have been offered only at Bloomington.

The curriculum leads to the degree Bachelor of Science in Physical Education. Those especially interested in this Department should write to the Director of the Normal College, 415 East Michigan Street, Indianapolis, Indiana 46204, for a copy of the annual *Bulletin*.

DEPARTMENT OF PHYSICAL EDUCATION FOR WOMEN

Professors Aldrich (Chairman), Davies; Associate Professors Leyhe, Summers; Assistant Professors Johnson, Kovacs, McAuley, Sherwin; Instructors Burrus, Clifford, Cook, Davis, Faulkner, Grotke, Hope, Lucas.

Physical education is required of all Junior Division students for two periods per week for one hour of credit each semester. In addition to the required courses of the freshman year, undergraduate women registered in the College of Arts and Sciences, the School of Education, the School of Business, and the School of Health, Physical Education, and Recreation may elect a limited number of physical education courses for academic credit.

Activities offered include social, folk, square, and modern dancing; aquatics, including American Red Cross senior life saving and water safety instructors' courses; team sports, including hockey, speedball, basketball, softball, and volleyball; individual and dual sports, including golf, tennis, archery, badminton, and bowling; and a program in body dynamics. Medically or physically restricted students are given attention in special classes. The Department requires regulation gymnasium and swimming suits for all of the above activities.

DEPARTMENT OF PHYSICAL EDUCATION FOR MEN

Professors Bookwalter, Cooper, Counsilman, Cousins, Daugherty, Slater-Hammel; Associate Professors Endwright (Chairman), Ryser; Assistant Professors Billingsley, Bruce, Bucher, Landin, Lavery, Myhre, Newberg, Stumpner, Watson; Instructors Bolyard, Brown, Crites, Lawrence, Luft, Mindheim, Perrin, Pettinger, Phelps, Yeagley, Zabik

The basic instructional program, required of all Junior Division men, offers instruction in a wide variety of sports activities on an elective basis. In addition to the requirement of the freshman year, undergraduate men may elect a limited number of physical education courses for academic credit.

Professional and technical instruction for students in the professional preparatory courses in the areas of health, safety, physical education, athletics, and recreation is offered. Recreational activities for students, faculty, and staff are planned for hours when the facilities of the Department are not being used for regular instruction.

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

Professors Carlson, Deppe (Chairman), Eppley, MacLean; Associate Professors Peterson, Tully; Assistant Professor Lawson; Instructors Femal, Raus

The Department prepares students for professional recreation leadership and for supervisory and executive positions in a variety of settings. Students may select from four options: 1. Public Recreation and Parks; 2. Camping and Outdoor Recreation; 3. Youth Serving Organization; and 4. Therapeutic Recreation.

A broad general education background which involves 16 different departments of the University is complemented with a core of 15 professional park and recreation courses plus laboratory experiences in agencies throughout the state. The Department operates the 2,300-acre Bradford Woods Outdoor Recreation Area. Requirements for a teaching certificate may be acquired in every option with the exception of therapeutic recreation.

Graduate Division

GENERAL REQUIREMENTS FOR ADVANCED DEGREES

Admission. Admission is open to those with a bachelor's degree from an accredited institution. An application must be filed with the Graduate Division, School of Health, Physical Education, and Recreation. Official transcripts of all undergraduate and graduate work taken at institutions other than Indiana University must also be submitted. Credentials submitted for admission become the property of the University and will not be returned to the candidate. An application fee of \$10 is required.

Unconditional admission may be granted to those with an approved major or minor in health and safety, physical education, or recreation from a four-year accredited institution and with an undergraduate academic average of not less than 2.5 (A=4; B=3; C=2). Exceptions will be carefully reviewed by an Admissions Committee.

Holders of the baccalaureate degree from other institutions, whose requirements are less than the equivalent of the undergraduate degree from Indiana University, may be admitted to the Graduate Division with the specific conditions in each case determined by the Dean of the School.

Applicants who are granted conditional admission may be required to take certain special examinations to provide additional evidence of their ability, as well as to aid in planning their program of study. All students will be required to take the Graduate Record Examinations.

Graduate Credit for Undergraduates. Candidates for the Bachelor of Science degree in 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 semester of the senior year.

Residence. Being in residence is regarded as the time spent carrying a full schedule of courses or studies for a given period, such as a semester or academic year. Fourteen to sixteen semester hours are considered a full schedule. Students not devoting full time to graduate study will receive residence credit at the rate of six weeks of residence for each five semester hours completed.

Full-time graduate assistants are granted a full semester of residence credit when they carry twelve semester hours of courses.

All requirements for a graduate degree must be completed within six calendar years after admission to candidacy.

Grades.* Graduate students must maintain an average of B or better in all graduate courses to be regarded as doing acceptable work toward an advanced degree. Grades below C are not counted toward completion of the requirements for a graduate degree. Candidates for the Master of Science and Director's degree may not submit grades of C or lower for more than one third of the total credit hours necessary for the degree. The Dean will review the records of all candidates whose scholarship is unsatisfactory.

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 at a Regional Campus who wishes to work toward a graduate degree in the School of Health, Physical Education, and Recreation, but who has not been admitted to the Graduate Division, must fill out an application blank which the Division of Regional Campuses will forward to the Graduate Division of the School. This may be done either before or during registration.

* For information concerning incomplete grades and withdrawals, refer to the General Statement of this *Bulletin*.

Courses taken at Regional Campuses must be cleared with departmental advisers in order to be certain that such courses may be counted toward meeting particular degree requirements.

Individual Research Projects. When approved by the candidate's chairman, a student may be permitted to register for an individual research project or field problem under any of the following course numbers: H720, P740, R770, T690. Normally, not more than a total of five semester hours in these courses may be offered toward an advanced degree.

Application for a Degree. Candidates must file an "Application for an Advanced Degree" in the Graduate Division office of this School. June graduates must file the application not later than the preceding February 1; September graduates must file prior to July 1. Application forms are available in the Graduate Division office.

MASTER OF SCIENCE DEGREE SPECIAL REQUIREMENTS

Adviser. The complete program of each candidate will be planned cooperatively by the student and his 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.

Residence. Minimum of 15 semester hours of graduate credit on the Bloomington Campus. For other residence requirements, see page 12.

Credit. With thesis a minimum of 30 semester hours of approved graduate credit, of which five hours of credit will be granted for a satisfactory thesis.

Without thesis a minimum of 35 semester hours of approved graduate credit.

All candidates must earn 20 semester hours in approved graduate courses in their major field.

Transfer of Credit. Graduates of Indiana University who follow the thesis plan may transfer a maximum of five semester hours of approved graduate credit from other accepted institutions. Nongraduates of Indiana University who follow the thesis plan are not permitted to transfer graduate credits from other institutions.

Graduates of Indiana University who follow the non-thesis plan may transfer a maximum of ten semester hours of approved graduate credit from other accepted institutions. Graduates of other institutions who follow the non-thesis plan may transfer a maximum of five semester hours of approved graduate credit from other accepted institutions.

Any graduate course work to be transferred must be approved by the Dean before it is taken.

Graduate Record Examination. This examination must be taken during the first term in residence. However, it is recommended that students take the examination prior to coming to the campus.

Course of Study. All candidates for the Master of Science degree are required to complete T590. Credits earned in this course may count toward the twenty hours required in the major area. In addition, the following courses are required in the areas designated:

Master of Science in Health and Safety: H510, H516, S550, T591, or T595.

Master of Science in Physical Education: P543 or P546, P544, P545, P547 or T591.

Master of Science in Recreation: R570, R573, R575, R577.

Thesis. A student desiring to write a thesis will consult with his adviser who will guide him in all phases of the thesis development. After the thesis problem has been identified, the student must plan a detailed outline of his problem. Both the problem and the outline must be submitted to a Graduate Division Thesis Advisory Committee for approval. When completed, and approved by the Thesis Advisory Committee, three copies must be typewritten, bound, and filed with the Dean of the School not later

than four weeks before the end of the semester in which the candidate expects to complete the work for the degree. Registration on the Bloomington Campus is required for work on the thesis.

Graduation with Honors. Candidates who maintain a 3.5 cumulative grade average are eligible for graduation with honors. A comprehensive written examination in the major field, recommendation of the candidate's departmental graduate faculty, and final approval by the Graduate Council are also required for this distinction.

CERTIFICATE OF SUPERVISION

A certificate indicating qualifications for supervision is granted by authority of the Trustees of Indiana University to those students completing one of the following patterns in addition to having completed two years of successful practical experience:

*Tentative Patterns for Certificates of Supervision in Advanced Areas**

Physical Education: A583, P540, P543, P544, P545, P546, P547, T590, T591, T593.
 Health and Safety: H510, H514, H516, H618, S550, S555, T590, T593, T595.
 Two credits selected from: H517, H610, S655, T591.
 Recreation: P540, R570, R573, R574, R575, R577, R675, T590, T593. Five credits selected from: R578, R579, R667, R676, T690.

ATHLETIC TRAINING

Completion of the following pattern of courses, along with general requirements, qualifies one for the degree Master of Science in Health and Safety with a major in athletic training: A583, H510, H520, S550, P530, P546, P548, T590, T690, and Physiology P409.

HEALTH COORDINATOR CERTIFICATE

The following pattern of courses qualifies one for the certificate of supervision in health education and for special recommendation as health coordinator: H510, H514, H516, H517, H610, H617, H618, S550, S555, T590, T593, T595, T690.

DIRECTOR'S DEGREE SPECIAL REQUIREMENTS

Purpose of Degree. The director's degree is intermediate between the master's degree and the doctorate. It represents an opportunity for advanced professional preparation beyond the master's degree for those in supervisory and administrative positions in the fields of health and safety, physical education, and recreation.

Candidates for this degree will pursue a program of studies which places primary emphasis on such competencies as planning and organizing programs; managing program finances; dealing with staff and public relations; and speaking, professional writing, and master teaching.

Adviser. The complete program of each candidate will be planned cooperatively by the student and his 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.

Residence. Minimum of 15 semester hours of graduate credit on the Bloomington Campus. This must be in addition to residence credits required for the master's degree. For other residence information, see page 12.

Credit. Minimum of 60 semester hours of approved graduate credit, of which three hours of credit will be granted for a satisfactory director's degree project.

* For any one of these areas, four additional hours in the School are required, and five may be in the School or in an outside minor such as general education.

All candidates must earn 30 semester hours of graduate credit in their major field. A minimum of 15 graduate credits must be taken outside the areas of health, physical education, and recreation.

Transfer of Credit. Candidates may transfer a maximum of 30 semester hours of approved graduate credit from approved institutions.

Graduate Record Examination. This examination must be taken during the first term in residence. However, it is recommended that students take the examination prior to coming to the campus.

Course of Study. All candidates for the director's degree are required to complete the following courses which may be counted toward the 30 semester hours required in the major area: T590, T591, T594, and T699. In addition, the following courses are required in the areas designated:

Director in Health and Safety (H.S. Dir.): H510, H514, T595*, H516, S550.

Director of Physical Education (P.E. Dir.): P543, P544, P545, P546, P547.†

Director of Recreation (Re.Dir.): R570, R573, R575, R577, T593.

Director's Degree Project. All candidates for the director's degree are required to complete a project pertinent to the major area. A satisfactory project shall involve the investigation of an administrative or supervisory operation in which purposes, functions, and problems are observed, analyzed, and evaluated.

The candidate will consult with his adviser in the selection and planning of his project. After the problem has been identified, the candidate must submit a detailed outline of the proposed investigation to his adviser for approval. Upon conclusion of the project, a comprehensive report will be written by the candidate. Conclusions and recommendations included in the report should indicate the candidate's grasp of the administrative functions and his ability to suggest solutions to the problems, or make proposals for improvements in administrative practice.

Final Examination. A three-hour written comprehensive examination in the major area may not be taken later than six weeks before the end of the semester or not later than three weeks before the end of the summer session in which the candidate expects to complete the work for the degree.

Experience. A minimum of two years of approved practical experience is required before the director's degree will be conferred.

DOCTORATE DEGREE SPECIAL REQUIREMENTS

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.); and Doctor of Recreation (Re.D.).

Admission to Doctoral Study. Application for admission to the Graduate Division must be accompanied by transcripts for all previous college work, three letters of recommendation, and a small photograph.

The candidate must submit the results of the Graduate Record Examination to the Graduate Division before being considered for admission to the doctoral degree program. Even though a prospective doctoral candidate may enroll as a nondegree student in advanced courses, his doctoral status is left undetermined until he has taken the G.R.E. The decision in each case will be determined by the Graduate Council of the School after consideration of the above factors. If accepted by the Graduate Council, the Director of Graduate Studies will appoint a chairman of the student's advisory committee.

Doctoral Advisory Committee. Following consultation with the applicant, the chairman will submit to the Director of Graduate Studies, for approval, the names of three additional faculty members to serve on the applicant's advisory committee, representing the major and minor areas. The functions of the committee shall include: out-

* T591 should precede T595.

† T591 should precede P547.

lining the course of studies; supervising the total study program; conducting the qualifying and final examinations; recommending admission to candidacy; directing dissertation research; reporting periodically to the Director of Graduate Studies on progress of the candidate; and certifying the completion of the work for the degree.

Residence. A minimum of six semesters of approved graduate study is required for the doctorate. Thirty semester hours of course work must be done on the Bloomington Campus. Normally, two consecutive semesters must be spent in residence on the Bloomington Campus.

Transfer of Credit. Not more than forty-five semester hours of credit from other approved institutions may be accepted toward the hours of credit required for the degree. Not more than 30 hours of credit for work taken at the Regional Campuses may be applied.

Program of Studies. All doctoral candidates will take T590, T591, and T592. These courses will not count toward the 30-hour major.

Each candidate, in addition to his 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 plus the three courses T590, T591, and T592. 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 elected in health and safety, physical education, recreation, and measurement and evaluation. A minor in measurement and evaluation will consist of 18 semester hours. A minimum of 15 graduate credits must be taken outside of the areas of health, physical education, and recreation. Fifteen semester hours will be granted for the dissertation.

Sample programs are illustrated below:

<i>Sample I</i>	<i>Semester Hours</i>	<i>Sample II</i>	<i>Semester Hours</i>
Major Area	30	Major Area	30
Basic "T" Courses	9	Basic "T" Courses	9
Two Minors	30	One Minor	15
Dissertation	15	Dissertation	15
Electives	6	Electives	21
Total	90	Total	90

Qualifying Examination. Two semesters before completion of the work for the doctorate, the student is required to pass a comprehensive qualifying examination on the fundamentals of the entire field in which he has elected to specialize. The examination will not be limited to the subject matter of the courses taken. Normally the student must be registered during the session in which he expects to take the qualifying examination.

The qualifying examination consists of a written phase followed by an oral phase. The purpose of this examination is to determine the adequacy of the student's knowledge in his field of specialization and related areas and his ability to pursue independent research. The oral phase of the examination is designed to test the student's ability to deal orally with concepts, issues, and problems of a professional nature.

Before taking the examination in the field of specialization and related areas, the student must be certified as having demonstrated research competence. The part of the qualifying examination dealing with research competency may be taken upon completion of T590, T591, and T592.

The examination in the field of specialization and related areas will be taken when all or most of the student's program of studies is completed, and after the Research Competency Examination is passed. The satisfactory passing of the examination, 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 Director of Graduate Studies shall notify the student and the doctoral committee when the student is admitted to candidacy. After admission to candidacy, the student will generally be registered for dissertation research only (T790).

Enrollment after the Qualifying Examination. *After passing his qualifying examination*, a doctoral candidate must enroll each semester for thesis or research credit at the regular fee; or he may, if he has completed 15 hours of T790, enroll in Graduate G900 Candidate, a noncredit course, at a fee of \$10 per semester until he has completed the work for his degree. Failure to meet this requirement will automatically terminate candidacy.

Dissertation. Each candidate must present a satisfactory dissertation in partial fulfillment of the requirements for the doctoral degree. The dissertation permits the candidate to demonstrate his creative ability to identify and treat a significant problem; to collect, analyze, and interpret meaningful data by appropriate research methods; to make valid generalizations upon the findings; and to present the study in acceptable, written form. The 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 candidate submits his proposed dissertation problem to the chairman of his 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 chairman, 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 chairman. The committee will meet as called by the chairman for research progress reports. The acceptability of the completed dissertation is first passed upon by the chairman and then by the doctoral committee.

When the completed dissertation is approved by the chairman, it will be typed in accordance with established regulations. At least *four weeks* before the final examination, four copies of the complete dissertation must be presented to the committee chairman for distribution to committee members. Each copy of the dissertation must be accompanied by a vita sheet inserted at the end. A one-page summary of the dissertation must be submitted to be used as an announcement of the final examination. After the final examination has been passed and the dissertation has been approved, three typed and bound copies of the dissertation must be filed in the Office of the Dean.

Publication of the Dissertation. When the candidate is recommended for the degree, he must obtain an "Agreement" for microfilming the dissertation. Following are the conditions for publication:

The candidate will submit a five-hundred- to six-hundred-word abstract of the dissertation, approved by his committee. This abstract will appear in *Dissertation Abstracts*, published by University Microfilms, Inc., Ann Arbor, Michigan.

The unbound original 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 original copy will be returned by University Microfilms, Inc., to the University Library where it will be bound. The remaining copies of the dissertation will be bound by the student at his expense. These copies must be submitted to the bindery within one week after the final acceptance of the dissertation.

The fee for publishing the abstract and for the microfilming of the dissertation will be \$30. No other form of publication is required, but publication elsewhere is encouraged. All procedures for publication of the dissertation will be handled through the Graduate Division.

Final Examination. The final oral examination will be conducted by the candidate's committee in the presence of such members of the graduate faculty as elect to attend. It will cover the dissertation and major and minor fields of study. All final doctoral examinations must be conducted prior to the final examinations of the semester.

Experience. A minimum of two years of approved practical experience is required before the doctorate will be conferred.

Undergraduate Division

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 University Extension. 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 and two of the last four semesters of University work must be done in residence on the campus at Bloomington. Not more than 60 hours earned in off-campus and correspondence courses may be credited toward the B.S. degree. The Dean of the School must approve any plan for off-campus work.

English Proficiency Examination. Undergraduates must pass the English Proficiency Examination during their junior year.

Hours—Credit Points. A minimum of 124 semester hours and 248 credit points are required for graduation.

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

Teaching Certificates. Students starting their undergraduate programs after September 1, 1963, 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.

Course Load. A student is expected to carry from 13 to 16 hours of academic work a semester. Permission to carry fewer than 13 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 16 hours. The maximum number of hours to be carried by a student is 19 hours.

Suggested Curricula

Physical Education Major (40 hrs.) for Women (Must Include a Minor)

Four-Year Program Leading to a Provisional Teaching Certificate
and the Degree Bachelor of Science in Physical Education

Freshman Year

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
First Aid HPER H160	2	Team Sports HPER W122	1
Physical Education for Majors HPER W121	1	Introductory Rhythmic Training HPER W124	1
Introductory Psychology I Psy. P101	3	Elementary Human Anatomy Anat. A210	5
Freshman Literature I Eng. L101	3	Arts and Crafts HPER R273	2
Social or Behavioral Science	3	Elementary Composition Eng. W132	2
Elementary Composition I Eng. W131	2	Introduction to Teaching Educ. F100	2
Electives (Minor Area)	2	Social or Behavioral Science	3
	16		16

Sophomore Year

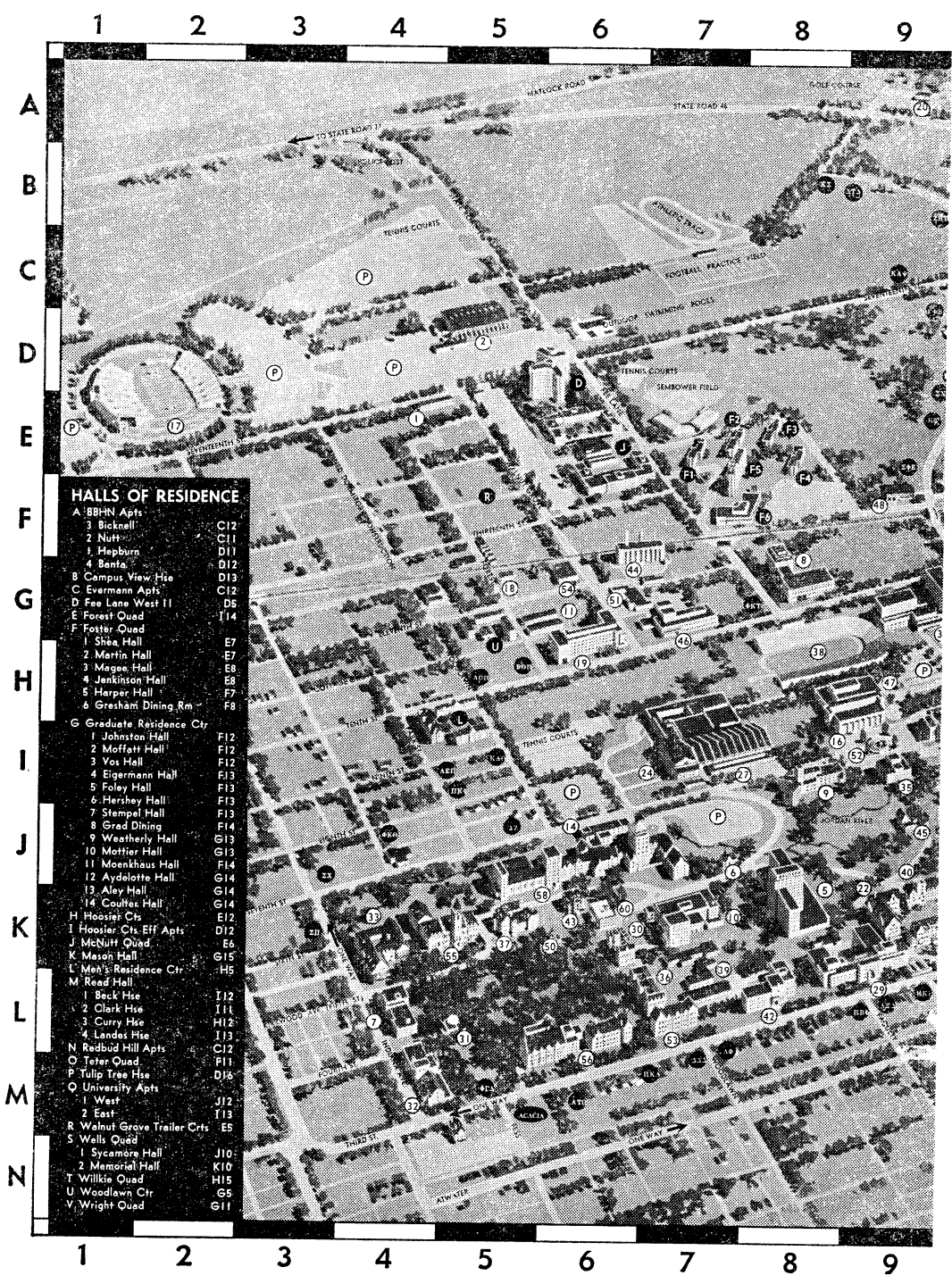
Folk, Square, and Social Dance HPER W224	1	Modern Dance HPER W103	1
Physical Education in the Elementary School HPER P290	2	Gymnastics, Tumbling, and Apparatus HPER W222	2
Public Speaking I Speech S121	2	Elementary Human Physiology Physio. P204	5
Human Development and Learning Educ. P280	5	Humanities	2
Humanities	3	Electives (Minor Area)	6
Social and Behavioral Sciences	3		16
	16		

Junior Year

Teaching of Team Sports HPER W325	1	History and Principles of Physical Education HPER P195	3
Sports Officiating HPER W326	1	Individual Sports HPER W322	1
Kinesiology HPER P397	3	Teaching of Modern Dance HPER W324	1
Organization of Health Education HPER H464	2	Adapted Physical Education HPER P398	3
Social or Behavioral Sciences	2	Electives in General Education	4
Life and Physical Sciences	2 or 3	Electives (Minor Area)	4
Electives (Minor Area)	3 or 4		16
	15		

Senior Year

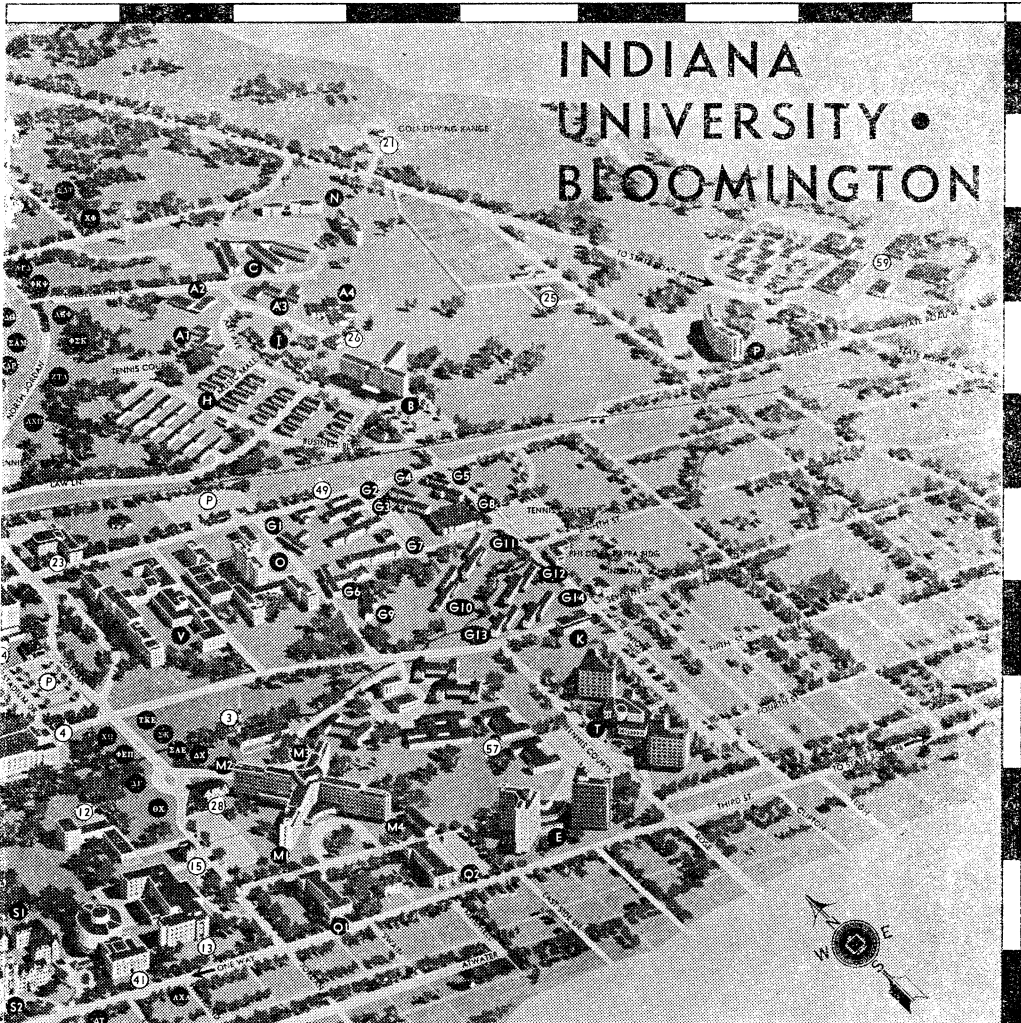
Teaching of Individual Sports HPER W323	1	Organization and Administration Physical Education HPER W400	2
Basic Instruction in Physical Educa- tion for Women (Hockey) HPER W100	1	Laboratory Teaching in the Basic Instruction Program HPER P495	1
Tests and Measurements in Physical Education HPER P493	3	Principles of Secondary Education Educ. S485	3
Methods of Teaching Physical Edu- cation For Women Educ. M457	3	Student Teaching in the High School Educ. M480	8
Electives (Minor Area)	7		14
	15		



HALLS OF RESIDENCE

A BBHN Apts	
3 Bicknell	C12
2 Nutt	C11
1 Hepburn	D11
4 Santa	D12
B Campus View Hse	
D13	
C Evermann Apts	
C12	
D Fox Lane West II	
D5	
E Forest Quad	
E14	
F Foster Quad	
1 Shea Hall	E7
2 Martin Hall	E7
3 Magee Hall	E8
4 Jankinson Hall	E8
5 Harper Hall	F7
6 Gresham Dining Rm	F8
G Graduate Residence Ctr	
1 Johnston Hall	F12
2 Moffatt Hall	F12
3 Vos Hall	F13
4 Eisenmann Hall	F13
5 Foley Hall	F13
6 Hershey Hall	F13
7 Stempel Hall	F13
8 Grad Dining	F14
9 Weatherly Hall	G13
10 Mottier Hall	G13
11 Moenkhaus Hall	F14
12 Aydelotte Hall	G14
13 Alley Hall	G14
14 Coates Hall	G14
H Hoosier Cts	
E12	
I Hoosier Cts, Eff Apts	
D12	
J McNeill Quad	
E6	
K Mason Hall	
G15	
L Men's Residence Ctr	
H5	
M Read Hall	
1 Beck Hse	I12
2 Clark Hse	I11
3 Curry Hse	H12
4 Landes Hse	I13
N Redbud Hill Apts	
C12	
O Teter Quad	
F11	
P Tulip Tree Hse	
D16	
Q University Apts	
1 West	J12
2 East	I13
R Walnut Grove Trailer Ctr	
E5	
S Wells Quad	
1 Sycamore Hall	J10
2 Memorial Hall	K10
T Wilkie Quad	
H15	
U Woodlawn Ctr	
G5	
V Wright Quad	
G11	

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INDIANA UNIVERSITY • BLOOMINGTON

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ACADEMIC, ADMINISTRATIVE, AND OTHERS

P Public Parking, E1, D3, D4, C4, I6, J7, H9, H10, F11, F12	15 Exchange Home	I11	29 Jordan Hall	K9	45 President's Hse	J9
1 Admin Services Bldg	16 Fine Arts Bldg	H9	30 Kirkwood Hall	K6	46 Psychology Bldg	G7
2 Athletic Field Hse	17 Football Stadium	D, E1, 2	31 Kirkwood Observatory	L5	47 Radio & TV Bldg	H8
3 Audio-Visual Bldg	18 Furniture Warehouse	G5	32 Law Bldg	M4	48 Residence Halls, Admin	F9
4 Auditorium	19 Geology Bldg	G6	33 Library Bldg	K4	49 Rogers Bldg	F12
5 Ballantine Hall	20 Golf Clubhouse	A9	34 (new) Library Bldg (under construction)	G9	50 Rosa Well Hse	K6
6 Beck Chapel	21 Golf Driving Range	B13	35 Lilly Library	L9	51 Services Bldg	G6
7 Bryan Hall	22 Goodbody Hall	K9	36 Lindley Hall	L7	52 Showalter Fountain	L9
8 Business Bldg (under construction)	23 Health Center	F10	37 Maxwell Hall	K5	53 Social Science Bldg	L7
9 Business & Econ Bldg	24 Health, Physical Education, & Recreation Bldg	I7	38 Memorial Stadium	G8	54 Stores Bldg	G5
10 Chemistry Bldg	25 Hilltop & Botany	C14	39 Mitchell Hall	K7	55 Student Bldg	K5
11 Cottage Grove	26 Hoosier Courts Nursery School	D12	40 Morrison Hall	J9	57 Trees Ctr (7 Bldgs)	H14
12 East Hall	27 Hoosier Hall	I8	41 Music Bldg	J10	58 Union, Ind Memorial	J6
13 Education Bldg	28 International Center	I11	42 Myers Hall	L8	59 Univ Schools (14 Bldgs)	C16
14 Ernie Pyle Hall			43 Owen Hall	K6	60 Wylie Hall	K6
			44 Power Plant	F6		

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Physical Education Major (40 hrs.) for Men
(Must Include a Minor)

Four-Year Program Leading to a Provisional Teaching Certificate
and the Degree Bachelor of Science in Physical Education

Freshman Year

<i>First Semester</i>	Hours	<i>Second Semester</i>	Hours
History and Principles of Physical Education HPER P195	3	First Aid HPER H160	2
Basic Instruction in Physical Education for Men HPER M130	1	Basic Instruction in Physical Education HPER M130	1
Introductory Psychology I Psy. P101	3	Elementary Composition Eng. W132	2
Elementary Composition Eng. W131	2	Social or Behavioral Sciences	3
Social or Behavioral Sciences	3	Humanities	3
Humanities (HPER R273)	2	Electives (Minor Area)	4
Electives (Minor Area)	1		<hr/>
	15		15

Sophomore Year

Gymnastics and Rhythmic Programs HPER M131	1	Apparatus and Conditioning Programs HPER M132	1
Introduction to Teaching Educ. F100	2	Human Development and Learning Educ. P280	5
Public Speaking I Speech S121	2	Elementary Human Anatomy Anat. A210	5
Introduction to Community Recreation HPER R274	2	Humanities	3
Life or Physical Science	2	Electives (Minor Area)	2
Electives (Minor Area)	6		<hr/>
	15		16

Junior Year

Individual Sports HPER M231	1	Team Sports HPER M232	1
Basketball HPER A184	1½	Baseball A185	1½
Track and Field A186	1½	Football HPER A183	1½
Elementary Human Physiology ..Physio. P204	5	Organization of Health Education HPER H464	2
Physical Education in the Elementary School HPER P290	2	Kinesiology HPER P397	3
Electives (Minor Area)	4	Laboratory Teaching in the Basic Instruction Program HPER P495	1
	<hr/>	or	
	15	Elective Physical Education Activities for Men HPER M335	1
		Electives (Minor Area)	6
			<hr/>
			16

Senior Year

Aquatics HPER A384	1	Tests and Measurements in Physical Education HPER P493	3
Methods of Teaching Physical Education: for Men Educ. M456	3	Administration, Organization, and Supervision of Physical Education .. HPER M444	3
Adapted Physical Education HPER P398	3	Principles of Secondary Education Educ. S485	3
Humanities	3	Student Teaching in the High School Educ. M480	8
Social or Behavioral Science	3		<hr/>
Electives (Minor Area)	2		17
	<hr/>		
	15		

Health and Safety Major (40 hrs.) Men and Women
(Biology Minor Included; Other Minors Available)

Four-Year Program Leading to a Provisional Teaching Certificate
and the Degree Bachelor of Science in Health and Safety

Freshman Year

<i>First Semester</i>		Hours	<i>Second Semester</i>		Hours
Introduction to American Government I	Gov. G103	3	Introduction to Psychology I	Psy. P101	3
Elementary Composition I	Eng. W131	2	Elementary Composition II	Eng. W132	2
Basic Instruction in Physical Education	HPER M130	1	Basic Instruction in Physical Education	HPER M130	1
Man and The Biological World	Biol. B100	5	First Aid	HPER H160	2
Public Speaking I	Speech S121	2	A Descriptive Survey of Chemistry	Chem. C101	3
Electives		3	or		
		16	Principles of Chemistry (Adv.)	Chem. C105	5
			Electives		3
					16

Sophomore Year

Introduction to Teaching	Educ. F100	2	Social Problems	Soc. S163	3
Principles of Sociology	Soc. S161	3	Elementary Human Anatomy	Anat. A210	5
Literature I	Eng. L101	3	Human Development and Learning	Educ. P280	5
Animal Biology	Zoo. Z103	5	Nutrition	Home Ec. H206	2
Electives		3	Electives		1
		16			16

Junior Year

Elementary Human Physiology	Physio. P204	5	Plant Biology	Bot. B101	5
Content and Material in Safety Education	HPER S350	2	Group and Intergroup Hygiene	Physio. P306	3
Personal Health	HPER H363	2	Organization of Health Education	HPER H464	2
Arts and Crafts	HPER R273	2	Public Speaking II	Speech S122	2
Introduction to Mass Comm.	R&T C200	3	American History: General Course I	Hist. H103	3
Electives		2	Electives		1
		16			16

Senior Year

Community Health Education ..	HPER H465	3	Methods of Teaching Health and Safety	Educ. M458	3
Conservation of Natural Resources	Geog. G315	3	Instructors Course in First Aid	HPER H460	2
Biology of Parasites	Zoo. Z375	3	Principles of Secondary Education	Educ. S483	3
Electives		7	Student Teaching in the High School (teaching of health) ..	Educ. M480	8
		16			16

Six hours of electives need to be selected from the following:

Health Problems of Exceptional Children	HPER H364	3	Industrial Safety Education	HPER S457	3
Technique of Driver Training and Testing	HPER S355	4	Kinesiology	HPER P397	3
			Adapted Physical Education	HPER P398	3

Recreation Major

*Four-Year Program Leading to the Degree Bachelor of Science
in Recreation (Emphasis: Public Recreation and Parks)†

Freshman Year

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Public Speaking	Speech S121 2	Plant Biology	Bot. B101 5
Art Appreciation	F.A. H100 3	Principles of Sociology	Soc. S161 3
Introductory Psychology	Psy. P101 3	Appreciation of Music I	Music M174 2
Elementary Composition	Eng. W131 2	Elementary Composition	Eng. W132 2
Recreational Leadership	HPER R180 2	Camp Crafts	HPER R276 2
First Aid	HPER H160 2	Basic Instruction in Physical Education	1
Basic Instruction in Physical Education	1		15
	15		

Sophomore Year

Freshman Literature I	Eng. L101 3	Introductory Horticulture	Bot. B215 2
Professional Orientation	HPER R270 1	School Garden Management	Bot. B216 2
Principles of Economics I	Econ. E201 3	Modern Literature and the Arts	Comp. Lit. C225 2
Introduction to Dramatic Production	Speech S251 3	Camp Counselors' Training Course	HPER R275 2
Introduction to American Government I	Gov. G103 3	Introduction to Community Recreation	HPER R274 2
Elective Physical Education Activities for Men	HPER M335 1	Community Sports	HPER R278 2
or		Elective Physical Education Activities for Men	HPER M335 1
Basic Instruction in Physical Education for Women	HPER W100 1	or	
Electives	2	Basic Instruction in Physical Education for Women	HPER W100 1
	16	Electives	3
			16

Junior Year

Writing for Publication	Jour. J327 3	Public Administration I	Gov. G305 3
Conservation of Natural Resources	Geog. G315 3	Recreational Music	Mus. U353 2
The Psychology of Childhood and Adolescence	Psy. P316 3	The Community	Soc. S309 3
Community Centers and Playgrounds	HPER R373 3	The Psychology of Learning	Psy. P325 3
Aquatics	HPER A384 1	or	
or		Human Development and Learning	Educ. P280 5
Introductory Rhythmic Training	HPER W124 1	Office Management I	Bus. C300 2
Science Elective	2	Electives	3
	15		16-18

Senior Year

Publicity and Public Relations	Jour. J427 2	Social Recreation	HPER R469 3
Utilization of Audio-Visual Materials	Educ. R523 3	Arts and Crafts	HPER R273 2
Business and Professional Speaking	Speech S223 3	Youth Service Organization	HPER R374 2
Senior Seminar in Recreation	HPER R460 2	Professional Field Experience in Recreation	HPER R470 8
Introduction to Park Management	HPER R463 2		15
Introduction to Landscape Architecture	HPER R464 2		
Elective	1		
	16		

* By selecting appropriate courses the student may also qualify for a Provisional Teaching Certificate in Recreation.

† Requirements for options in camping and outdoor recreation, therapeutic recreation, or youth serving organizations may be obtained by writing the Department.

Dance Major

A 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

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
Introductory Psychology	Psy. P101	3	Elementary Composition	Eng. W132	2
Elementary Composition	Eng. W131	2	History, Sociology or Government		3
Freshman Literature	Eng. L101	3	Modern Dance	HPER W100	1
Art Appreciation	F.A. H100	3	Introductory Rhythmic Training		
First Aid	HPER H160	2	HPER W124	1
Modern Dance	HPER W100	1	Fundamentals of Acting	Speech S144	3
Physical Education for			Physical Education (Elective)	HPER W100	1
Majors	HPER W121	1	Introduction to Teaching	Educ. F100	2
Electives		1	Electives		2
		<u>16</u>			<u>15</u>

Sophomore Year

Elementary Human AnatomyAnat. A210	5	Elementary Human			
Human Development and		Physiology	Physiol. P204	5	
Learning	Educ. P280	Introduction to Philosophy	Phil. P100	3	
Folk, Square, and Social		Dance Composition	HPER W212	2	
Dance	HPER W224	Advanced Modern Dance	HPER W202	1	
Dance Composition	HPER W211	General Anthropology	A104	3	
Advanced Modern Dance	HPER W201	Modern Dance Workshop	HPER W214	2	
Humanities (Elective)					
	<u>16</u>			<u>16</u>	

Junior Year

Kinesiology	HPER P397	3	History and Principles of		
Organization of Health			Physical Education	HPER P195	3
Education	HPER H464	2	Individual Sports	HPER W322	1
Dance and the Allied Arts I	HPER W311	3	Musical Resources for Dance	HPER W328	2
Life and Physical Science			Teaching of Modern Dance	HPER W324	1
Psychology	Psy. P111	2	Dance and the Allied Arts II	HPER W312	3
or			Theory and Practice of Dance		
Nature Study	Bot. B214	2	Techniques	HPER W302	1
or			Adapted Physical Education	HPER P398	3
Astronomy	Ast. A100	3	Dance Production	HPER W411	3
Theory and Practice of Dance					
Technique	HPER W301	1			<u>17</u>
Rhythmic Form and					
Analysis	HPER W213	2			
Modern Dance Workshop	HPER W214	2			
		<u>15</u>			

Senior Year

Methods of Teaching Physical			Student Teaching in the High		
Education	Educ. M457	3	School	Educ. M480	8
Dance Production II	HPER W412	3	Principles of Secondary		
Teaching of Individual Sports	HPER W323	1	Education	Educ. S485	3
Laboratory Teaching in Basic			Dance in Elementary		
Instruction Program	HPER P495	1	Education	HPER W223	1
Organization and Administration of			Dance Summary	HPER W402	1
Physical Education	HPER W400	2	Electives		2
Dance Summary	HPER W401	1			<u>15</u>
Social and Behavioral Science		5			
		<u>16</u>			

Athletic Training Emphasis

The Athletic Training Emphasis may be earned in conjunction with the Major in Health and Safety Education or with the Major in Physical Education for Men. 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 (p. 21) the following courses should be taken to meet the requirements for the Athletic Training Emphasis:

	Hours		Hours
Prevention and Care of Athletic Injuries I	HPER A281 2	Advanced Techniques in Athletic Training	HPER A481 or A482 2
Prevention and Care of Athletic Injuries II	HPER A282 2	Football	HPER A183 1½
Techniques in Athletic Training I	HPER A381 2	Basketball	HPER A184 1½
Techniques in Athletic Training II	HPER A382 2	Baseball	HPER A185 1½
Scientific Foundation of Athletic Training	HPER A383 3	Track and Field	HPER A186 1½
		Kinesiology	Physio. P397 3
		Adapted Physical Education	Physio. P398 3
		Physiological Adjustment to Work in Environmental Stresses	Physio. P409 3

Option Physical Education

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

In addition to the pattern for the Physical Education Major (p. 27) the following courses should be taken to meet the requirements for the Athletic Training Emphasis:

Prevention and Care of Athletic Injuries I	HPER A281 2	Advanced Techniques in Athletic Training	HPER A481 or HPER A482 2
Prevention and Care of Athletic Injuries II	HPER A282 2	Personal Health	HPER H363 2
Techniques in Athletic Training I	HPER A381 2	Methods of Teaching Health and Safety	HPER H458 3
Techniques in Athletic Training II	HPER A382 2	Nutrition	Home Ec. H206 2
Scientific Foundation of Athletic Training	HPER A383 3	Physiological Adjustment to Work in Environmental Stresses	Physio. P409 3

Courses in the School of Health, Physical Education, and Recreation, 1967-68

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 for graduate students only.

ATHLETICS

- *A181-A182 Orientation in Athletic Training I-II (3-3 cr.)
I. Theory of athletic training with emphasis on prevention and care of injuries. II. Orientation of equipment, procedures, and keeping of records in athletic training room. Training room techniques observed.
- A183 Football (1½ cr.)
Fundamentals of offensive and defensive line and backfield play; technique of forward passing; outstanding rules; offensive plays and most frequently used defenses.
- A184 Basketball (1½ cr.)
Fundamentals of basket shooting, passing, ball handling, and footwork; patterns against man-to-man defenses, zone defense, and zone pressure defense—full court and half court. Strategy of playing regular season and tournament play. Psychology of coaching.
- A185 Baseball (1½ cr.)
Fundamentals of pitching, catching, batting, base running, infield and outfield play; offensive and defensive strategy; organization and management.
- A186 Track and Field (1½ cr.)
Fundamental procedures in conditioning and training for cross country, track, and field. Gives a basic understanding of each event's coaching strategy and coaching psychology. Home meet organization and management.
- †A281-A282 Techniques of Conditioning and Bandaging for the Athletic Trainer I-II (2-2 cr.)
Skills of bandaging, taping, and first-aid methods associated with prevention and care of athletic injuries. Practical experience in athletic training rooms.
- †A381-A382 Laboratory Practice in Athletic Training I-II (3-3 cr.)
Practice of athletic training skills during all sport seasons. Work is under direction and supervision of Director of Student Health Center and Athletic Team Physician.
- †A383 Instruction in Athletic Training Problems (2)
Problems in high schools, colleges, and professional athletic circles. Use of whirlpool, infrared lamp, hydro-collator, ultraviolet ray, ultrasonic sound, low-voltage generator, etc. Films, audio-visuals, and visiting lecturers such as team physicians, professional athletic trainers, orthopedic surgeons.
- A384 Aquatics (1 cr.)
Techniques of crawl, back, and breast strokes and springboard diving. Swimmers of sufficient ability are taught standard Red Cross Life Saving. When prospective teachers are in the majority, some attention centered on teaching methods.
- A385 Technique of Wrestling (1 cr.)
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 the proper use of amateur wrestling rules.
- †A481-A482 Advanced Techniques in Athletic Training I-II (5-3 cr.)
Provides experience through service to University athletic teams, intramurals, high schools, Little 500 bicycle race, and other special events. Students work under experienced medical and athletic training supervisors.
- A483 Principles of Sports Officiating (2 cr.)
Ethics of sports officiating; mastery, interpretation, and application of sports rules. Laboratory and classroom experiences.

* Required of athletic training majors; open also to HPER juniors and seniors with permission of instructor.

† Open only to majors in athletic training curriculum.

- *A485 **Advanced Undergraduate Techniques** (cr. arr.)
Advanced preparation in techniques of teaching any of the following sports and activities: swimming, wrestling, football, basketball, baseball, track and field, minor athletic games, gymnasium floor apparatus, and rhythmic.
- A583 **The Administration of Interscholastic Athletics** (2 cr.)
Organization of high school athletics with reference to national, state, and local control. Staff, program, budget, health and safety, facilities, and other phases of administration.

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** (2 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, health hazards, fitness, and family health. Prior knowledge of anatomy and physiology desirable.
- H364 **Health Problems of Exceptional Children** (3 cr.)
Causes of mental and physical deviations from normal are studied; basis for health inspection duties of teachers; organization of health lessons and utilization of health situations for health education; restricted and adapted physical activities suitable for exceptional children.
- H460 **Instructor's Course in First Aid** (2 cr.)
P: standard first aid certificate or completion of H160. Advanced consideration of first aid subject matter; orientation in methods, techniques, and teaching devices in first aid courses; practical classroom instruction required. Completion of courses qualifies one for instructor's certificate.
- H464 **Organization of Health Education** (2 cr.)
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 for program, the various media and methods which may be employed, place of existing agencies in the program.
- 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, concerning content of instruction at various levels. Suitability of method as determined by need, interest, and comprehension ability.
- H514 **Supervisory Problems of Health and Safety Education in Elementary School** (3 cr.)
Problems in education for health and safety from kindergarten to eighth grade. For elementary school teachers, principals, supervisors.
- H516 **Health Education Curriculum** (3 cr.)
For health educators and administrators. Organization and development of the 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.)
Democratic procedures in seeking solutions to "felt health program problems" of school and community. State agencies interested in various health problems cooperate.
- H520 **Problems of Athletic Injuries as They Concern the Coach** (2 cr.)
Training program, including training table, athletic trainer's supplies, the use of therapeutic equipment. Discussion, demonstration, laboratory experiences related to various techniques used in conditioning and bandaging.
- H523 **Community Health Organization** (3 cr.)
Organizational structure and function of public health program; considers official health agencies, non-official health agencies, professional associations, sponsored agencies, civic and service clubs; how health agencies meet public health needs.

* Open only to majors in the School of Health, Physical Education, and Recreation.

- H610 Coordinating the Health Program in the School and Community (3 cr.)
 Functions of health coordinators in coordination of healthful living, health service, and health instruction; school and community health programs; relationship of health agencies; use of school health committees and community councils.
- H617 Seminar in Health (cr. arr.)
 Problems in field of health and safety education.
- H618 School Health Surveys (3 cr.)
 Techniques and standards in making surveys of healthful school living policies, health service, health instruction. Survey of a school health program.
- H720 Research in Health Education and Safety (cr. arr.)

PHYSICAL EDUCATION FOR MEN

- M130 Basic Instruction in Physical Education for Men (1 cr.)
 Instruction in basic sports skills for male Junior Division students. Reasonable competence in individual and dual sports stressed; physical limitations considered; emphasis on carry-over value of recreational sports and need for continued physical fitness.
- M131 Gymnastics and Rhythmic Programs (1 cr.)
 Tumbling, simple stunts, pyramid building, marching tactics, calisthenics, folk dancing, square dancing, and polyrhythmic activities. Performance of these skills developed and teaching techniques, methods of class organization, and safety procedures stressed. Opportunity to practice use of teaching skills.
- M132 Apparatus and Conditioning Programs (1 cr.)
 Beginning and intermediate stunts and routines on the parallel and horizontal bars, side and long horses, trampoline, and rings; methods of organizing and conducting classes and teaching and spotting hints; principles of physiological conditioning.
- M231 Individual Sports (1 cr.)
 Teaching of and participation in activities not included in other skill courses in curriculum. Emphasis on teaching aspect of the activity.
- M232 Team Sports (1 cr.)
- M234 Technique of Athletic and Clog Dancing (1 cr.)
 Athletic and clog dances for men and boys.
- M249 Rhythmic Techniques (1 cr.)
 Twenty-five to thirty folk and gymnastic dances and singing games suitable for playground, gymnasium, community center, and recreation in general.
- M335 Elective Physical Education Activities for Men (1-2 cr.)
 Instruction in sports for those with some prior knowledge and skills to increase competence beyond beginning level.
- M444 Administration, Organization, and Supervision of Physical Education (3 cr.)
 Philosophy and methodology of organizing and administering physical education, intramural, and athletic programs are discussed from standpoint of the teacher. Role of physical education teacher in conduct of the school health program and school recreation program.

PHYSICAL EDUCATION

- P195 History and Principles of Physical Education (3 cr.)
 Understanding and interpretation of principles of modern physical education program. Contributions of historical programs related to development of present-day program.
- P290 Physical Education in the Elementary School (2 cr.)
 Games and physical education activities suitable for elementary school physical education programs, philosophy of elementary physical education, various teaching techniques and methods, conducting of tournaments, implementing safety. Students teach each other for practice.
- P397 Kinesiology (3 cr.)
 P: Anatomy A210. Application of facts and principles of anatomy, physiology, and mechanics to problems of teaching physical education skills and the activities of daily living.
- P398 Adapted Physical Education (3 cr.)
 P: Anatomy A210 and HPER P397. Study of conditions which require physical education program 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 conditions.
- 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.

- P495 **Laboratory Teaching in the Basic Instruction Program** (1 cr.)
Pre-practice teaching experience. Laboratory phase includes assisting in conduct of basic instruction program. Classroom discussion of pertinent problems of teaching physical education.
- P499 **Undergraduate Research in Health, Physical Education, Recreation, Safety, or Athletics** (cr. arr.)
- P530 **Advanced Theory of Training Competitive Athletes** (3 cr.)
P: coaching experience. Acquaints teachers with problems of building an athlete through high school and collegiate years; emphasis on physical, intellectual, and psychological phases incidental to a high degree of athletic performance.
- P533 **Theory and Techniques of Dance for High School and College** (3 cr.)
For high school and college teachers. Theory and practical work; development of skills which make the body an instrument of expression.
- P354 **Problems of Teaching Rhythms in Elementary Grades** (2 cr.)
For elementary and physical education teachers working with elementary pupils.
- 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** (2 cr.)
Socio-economic trends and modern educational philosophy in elementary physical education program; role of supervisor; appropriate and effective supervisory techniques. Limited to fifteen students who have four years' teaching or supervisory experience.
- 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 **Organization and Administration of Intramural Sports** (2 cr.)
History, present status, objectives of intramural movement; organization, and affiliation with other departments; units of competition from elementary to college level; program of activities; group, team, and individual schedule-making and scoring plans; rules and regulations, awards, special administrative problems.
- P543 **Supervision in Physical Education** (2 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 **Problems in Adapted Physical Education** (3 cr.)
P: P398 or equivalent. Organization and administration of programs of physical education for atypical students. Study of abnormalities of students and how to accommodate them in a physical education program.
- 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.
- 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 of Higher Education in Physical Education** (3 cr.)
Historical review; purposes of higher education at several levels and subject-matter emphases to meet them; problems of selection, guidance, placement and essential facilities, personnel, methods, policies.
- P647 **Seminar in Physical Education** (cr. arr.)
Problems in physical education.
- P740 **Research in Physical Education** (cr. arr.)

RECREATION

- R180 **Recreation Leadership** (2 cr.)
History, theory, and philosophy of recreation. Significance of recreation in age of leisure and evolution of recreation movement. Practical leadership techniques for low organized recreation activities, especially helpful in elementary education.
- R270 **Professional Orientation** (1 cr.)
Introduces student to professional areas within field of recreation. A laboratory with extended visits to recreation agencies and interviews with active recreation professionals. Required of all recreation majors.
- R273 **Arts and Crafts** (2 cr.)
Principles and techniques of arts and crafts for school, hospital, youth agency, recreation center, playgrounds, and other areas.
- R274 **Introduction to Community Recreation** (2 cr.)
Study of scope of community recreation; its organization, and relation to other social institutions; program content and leadership.
- R275 **Camp Counselor's Training Course** (2 cr.)
Role of counselors in relation to objectives, organization, guidance, leadership skills, program resources in organized camps.
- R276 **Camp Crafts** (2 cr.)
Skills in outdoor cookery, lashing, campfire programs, map and compass, and use of native materials and nature lore.
- R278 **Community Sports** (2 cr.)
Role of sports in community recreation; organization, planning, conducting of sports programs, case studies of successful operations.
- R373 **Community Centers and Playgrounds** (3 cr.)
Varied aspects of playgrounds and community center operation; leadership techniques; outlines programs, and considers problems relating to planning and operation of these programs.
- R374 **Youth Service Organization** (2 cr.)
Objectives, organization, program, and membership of principal national youth membership agencies.
- R375 **Boy Scout Leadership** (2 cr.)
Lectures, demonstrations, and practice of scouting principles, methods, and activities. For Scouters and Scouts sixteen years of age or older.
- R460 **Senior Seminar in Recreation** (2 cr.)
Current issues and problems in recreation profession. Culminating experience to facilitate transition between academic and professional experience.
- R463 **Introduction to Park Management** (2 cr.)
Management principles and techniques as related to park areas, facilities, personnel, finance.
- R464 **Introduction to Landscape Architecture** (2 cr.)
Landscape design, planting materials, plant care for proper settings.
- R469 **Social Recreation** (3 cr.)
Planning, conducting, and evaluating activities and programs for various types of social events.
- R470 **Professional Field Experience in Recreation** (8 cr.)
Experience in recreation planning, leadership, supervision, and program evaluation through working in community recreation public or agency program under local department and University faculty supervision.
- R570 **Planning and Administration of Social Recreation** (2 cr.)
Administration, planning, conduct of social recreation; classroom discussions; laboratory demonstrations.
- R573 **Outdoor Recreation** (2 cr.)
Present status, purposes, organization, administration of outdoor recreation programs for public, voluntary, commercial agencies.
- R574 **Camping Administration** (2 cr.)
Organization and administration of camps; program planning, selection and training of staff; Camp site selection and development; health and safety.
- R575 **Administration of Public Recreation** (3 cr.)
Organization and administration of recreation on federal state, local levels; legislative provisions, governmental control, financing, budget, personnel, departmental organization, administrative practices, especially on local level.
- R577 **Administration of Community Centers and Playground** (3 cr.)
Use of school buildings and grounds for neighborhood recreation centers; administrative techniques for programs, budgets, policies, personnel.

- R578 Maintenance of Park and Recreation Facilities** (2 cr.)
Maintenance of park and recreation facilities with recommendations for solution based on best practices; inspection of areas and facilities.
- R579 School Camping** (2 cr.)
Preparation for camp, conducting school camp program, training in leadership techniques. Actual conducting, in cooperation with University elementary school teachers, a one-week day camp.
- R667 Seminar in Recreation** (cr. arr.)
- R675 Recreation Surveys** (2 cr.)
Community surveys; evolving standards, interpretation, presentation of data; development of program plans based on survey data. Students conduct comprehensive recreation survey of a community.
- R676 Planning Park and Recreation Facilities** (2 cr.)
Area layout and design of park and recreation facilities; inspection of areas, preparation of plans.
- R770 Research in Recreation** (cr. arr.)

SAFETY EDUCATION

(See also Health Education)

- S155 Driver Training** (2 cr.)
Prepares students for state examination. 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 firearms safety and the teaching of marksmanship.
- *S355 Techniques of Driver Training and Testing** (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. Driver'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.
- S550 Organization of Safety Education** (2 cr.)
For administrators, teachers, school personnel who organize school and community safety education programs. Objectives, policies, procedures, supervisory techniques; accident prevention techniques. Laboratory assignments.
- *S555 Driver Education** (3 cr.)
For teachers and administrators of driver education. Methods, organization, administrative techniques; development of habits, attitudes, knowledge, and skills; dual-control cars for beginners; students participate in traffic surveys.
- 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.

* Students not proficient in driving should take S155 as a prerequisite.

- T593 Public Relations (2 cr.)**
Study and demonstrations in use of reports, charts, films, newspapers, radio, correspondence, public talks, interviews, conferences, office courtesies, handling complaints; personnel relationships emphasized.
- T594 Business Procedures for the Administrator of Health, Physical Education, and Recreation (3 cr.)**
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.
- T690 Field Problems (cr. arr.)**
Practical research investigation in area of either physical education, health, or recreation; planned field experiences.
- T693 Experimental Analysis and Design (3 cr.)**
P: T592. Procedures and principles of experimental research; design, application of statistical techniques, analysis and interpretation of results, assumptions basic to techniques.
- T699 Director's Degree Project (3 cr.)**
Comprehensive study and written report of administrative or supervisory operation in which functions and problems are observed, analyzed, and evaluated.
- T790 Thesis in Health, Physical Education, or Recreation (cr. arr.)**

PHYSICAL EDUCATION FOR WOMEN

- W100 Basic Instruction in Physical Education for Women (1 cr.)**
Activities in the Department of Physical Education for Women are elective. The following activities are offered on a semester basis: Apparatus and Tumbling, Modern Dance, and Swimming including Synchronized, Red Cross Life Saving and Instructor's. The following activities are offered on a seasonal basis: Archery, badminton, bait and fly casting, ballet, basketball, body dynamics, conditioning exercises, diving, exercise to music, fencing, folk dancing, golf, hockey, recreational games, riflery, social dance, softball, square dance, swimming, tennis, track and field, volleyball and water polo.
- W103 Modern Dance for Physical Education Majors (1 cr.)**
Principles of fundamental movements, terminology, movement techniques, interrelationship of modern dance and physical education.
- W121 Physical Education for Majors (1 cr.)**
Observation of strokes and strategies and practice in tennis. Golf history, terms, rules, etiquette, skills, and practice of these on the golf course.
- W122 Team Sports (1 cr.)**
Fundamental skills and techniques of basketball, volleyball, softball, track and field. A prerequisite for W325.
- W124 Introductory Rhythmic Training (1 cr.)**
Aspects of musical structure and relation of these elements to movement. Includes factors of pulse beat, accent, tempo, rhythmic patterns, phrasing.
- W201 Advanced Modern Dance I (1 cr.)**
P: Intermediate modern dance. Advanced technique training with an introduction to varied dance styles.
- W202 Advanced Modern Dance II (1 cr.)**
P: W201. Performance and analysis of primitive, classical, modern, jazz, and ethnic styles.
- W211 Modern Dance Composition I (2 cr.)**
P: Intermediate modern dance. An introduction to the basic elements of modern dance composition and the tools from which to work.
- W212 Modern Dance Composition II (2 cr.)**
P: W211. Historical dance composition; primitive, pre-classic, classical, and early modern.
- W213 Rhythmic Form and Analysis (2 cr.)**
Practical coordination exercises showing relationship between music and movement. Introduction to elementary musical notation, musical terms, analysis of musical forms.
- W214 Modern Dance Workshop I-II-III-IV (1 cr. each semester)**
Collaboration of students and directors in choreographing dances for performance; open to any qualified student wishing to pursue dance as a creative art form.
- W222 Gymnastics, Tumbling, and Apparatus (2 cr.)**
Basic skills in stunts, tumbling, gymnastics, and apparatus, and procedures used in teaching these activities.

- W223 Dance in Elementary Education (1 cr.)**
Designed to help teachers in the elementary grades in presenting a well-rounded rhythmic program. Understanding of total dance program and skills involved.
- W224 Folk, Square, and Social Dance (1 cr.)**
Methods and materials of folk dance instruction in upper elementary grades and high school; special attention to terminology, fundamental skills, selection, presentation of dances.
- W301 Theory and Practice of Dance Technique I (1 cr.)**
P: W202, W212. The development of the individual's dance technique through a basic understanding of one's own philosophy of dance.
- W302 Theory and Practice of Dance Technique II (1 cr.)**
P: W301. The theory of movement exploration evolving from experimental dance disciplines.
- W311 Dance and the Allied Arts I (3 cr.)**
Historical development of dance and the related arts; Primitive through Medieval.
- W312 Dance and the Allied Arts II (3 cr.)**
P: W311. Historical development of dance and the related arts; Renaissance through Contemporary.
- W322 Individual Sports (1 cr.)**
Includes badminton, bowling, tennis, and golf.
- W323 Teaching of Individual Sports (1 cr.)**
Prepares undergraduate majors to teach badminton, bowling, tennis. Lectures and discussions: basic principles, teaching methods, selection and care of equipment, history, terminology, rules. Projects: Report on skill analysis of service class students, practice teaching of one service class, unit lesson plans for one sport.
- W324 Teaching of Modern Dance (1 cr.)**
P: W103. Creative teaching of movement for beginning level. Movement and rhythmic and space aspects of dance with opportunity to explore new ways of moving and of composing dances.
- W325 Teaching of Team Sports (1 cr.)**
P: activity courses in speedball, softball, basketball, and volleyball. Analysis of skills, coaching, and progressions for team sports.
- W326 Sports Officiating (1 cr. each semester)**
Techniques of officiating basketball, volleyball, softball, and field sports. Women's intramural games are used as laboratory periods.
- W328 Musical Resources for Dance (2 cr.)**
Musical selections of various moods and qualities for teaching and performing modern dance. Practical experience in use of percussion instruments, rhythmical dictation, rhythmical score writing.
- W329 Dance Costuming (2 cr.)**
Design and construction of costumes for dance with special emphasis on line, material, and color.
- W400 Organization and Administration of Physical Education (2 cr.)**
Development and promotion of programs of physical education for girls in secondary schools and for elementary schools.
- W401 Dance Summary I (1 cr.)**
A systematic study of dance as a performing art and educational medium; a survey of its interrelationship to other art forms and its role in society.
- W402 Dance Summary II (1 cr.)**
Choreography of individual and group compositions; selecting appropriate accompaniment, designing costumes, sets and lights, staging, and presenting the finished dances.
- W411 Dance Production I (3 cr.)**
Aspects of technical theatre, lighting, costuming, make-up, and scene construction, as they are related to dance. Includes the procedures for pre-planning and organizing dance productions.
- W412 Dance Production II (3 cr.)**
A practical application of pre-planning, organizing, and development all aspects of dance production.
- W416 Management of Extracurricular Activities (1 cr.)**
Intramurals, Girls' Athletic Association, and others.

EDUCATION COURSES

- Education M358 The Teaching of Health and Safety (2 cr.)
- Education M456 Methods of Teaching Physical Education: For Men (3 cr.)
- Education M457 Methods of Teaching Physical Education: For Women (3 cr.)
- Education M458 Methods of Teaching Health and Safety (3 cr.)
- Education M480 Student Teaching in the High School (5 to 8 cr.)

Reserve Officers' Training Corps (ROTC)

DEPARTMENT OF MILITARY SCIENCE (Army)

Professor Conine (Colonel); Assistant Professors Clavio (Lieutenant Colonel), Von Schrlitz (Lieutenant Colonel), Bihler (Major), Bramblet (Major), Dodds (Major), Marko (Major), Williamson (Major); Instructors Blake (Captain), Ebaugh (Captain), Haltiner (Major), Lyerly (Captain), Stupka (Captain).

The Army ROTC program is conducted by U.S. Army officers who are specially selected and approved by Indiana University for this duty. The curriculum is designed to provide the knowledge and to develop the ability and skills required of commissioned officers. A student may acquire a commission in the U.S. Army Reserve by enrolling in this program. However, outstanding students are designated as Distinguished Military Graduates and are tendered Regular Army Commissions. All credits earned apply toward the total credit hours required for graduation.

Four-Year Program. This program is divided into two phases—a Basic Course, conducted during the freshman and sophomore years, and an Advanced Course, taken during the junior and senior years. Students are selected on the basis of their application, scholastic record, and demonstrated potential. Advanced Course students normally attend a six-week summer training camp between their junior and senior years. However, for appropriate reasons attendance at summer camp may be deferred until the end of the senior year.

Two-Year Program. This program extends the advantages of advanced ROTC training to students who did not take the Basic Course. As a substitute for the Basic Course, a student must attend a six-week summer training camp. Other qualifications for entering this program are the same as for entering the Advanced Course of the Four-Year Program.

Pay and Scholarships. All students in the Advanced Course receive \$40 per month retainer pay, plus \$220.95 and travel pay while attending advanced summer camp training. Students in the Two-Year Program receive \$131.85, plus travel pay, for attending the basic summer camp. However, no academic credit toward graduation is awarded for this training.

A limited number of two- and four-year full scholarships are available to selected students in the Four-Year Program. Students awarded scholarships receive full tuition, books, laboratory fees, and \$50 per month. Scholarship recipients are obligated to serve four years of active duty.

Service Requirements. Graduates of the Army Advanced ROTC Program incur a two-year active duty service obligation and four years in the U.S. Army Reserve. Entry to active duty may be deferred to obtain an advanced degree.

Flight Training. Flight instruction, conducted by civilian instructors at Kisters Field, Bloomington, is offered to students in the second year of the Advanced Course. To participate, the student must have an aptitude for flying and must meet required physical qualifications. He must also agree to participate in the Army Aviation Program, if selected, upon entering active service. Students who successfully complete this program may qualify for a private pilot's license. All costs incidental to the flight training program are provided by the U.S. Army.

Graduate Students. Graduate students are eligible to apply for the Army ROTC Advanced Course provided they meet entrance requirements.

Army ROTC Basic Course—First Two Years

G101-G102, G201-G202 (4 cr.)

Develops students as officers, and develops leadership, and attributes. Includes the national defense policy and structure, map reading; fundamentals of U.S. Army organization; basic leadership theory, and practical leadership training.

Army ROTC Advanced Course—Last Two Years

G301-G302, G401-G402 (12 cr.)

Includes study of leadership theory; personnel management; principles and practical experience in military teaching; practical exercises in the employment of military units, command and staff procedures, logistical support, supply, administration, maintenance, and transportation; military law and justice; the role of the U.S. in world affairs; customs of the service; and the code of the Army officer.

DEPARTMENT OF AEROSPACE STUDIES (Air Force)

Professor Merrell (Lieutenant Colonel); Assistant Professor Kiser (Major); Instructors Burns (Captain), Karaffa (Captain), Sanford (Captain), Welch (Major).

Training in AFROTC is presented by Air Force officers on active duty and assigned to the Department of Aerospace Studies. AFROTC training is not mandatory.

The objectives of the program are to develop skills and attitudes vital to the professional Air Force officer, and to qualify for commissions as Air Force officers those men who desire to serve.

Two-Year Program. This program is offered during the junior and senior years. To qualify, the student must have successfully completed an Air Force Officers' Qualifications Test AFOQT, and the Air Force physical examination, and must possess potential officer qualities. He must also complete a six-week Field Training Course (FTC) at a selected Air Force base during the summer prior to entering the junior year.

Four-Year Program. The cadet in this program must successfully complete the AFOQT, physical examination, and must possess qualities of a potential Air Force officer. He is required to complete four weeks of training, normally between the junior and senior years, with a Summer Training Unit (STU) at a selected Air Force base.

Retainer Fee. All qualified cadets receive a retainer fee of \$40 per month, ten months per year during their junior and senior years. Also, each cadet receives approximately \$131.85 for attendance at, plus transportation costs to and from, the FTC or STU.

Financial Assistance Program. Certain highly qualified cadets in the Four-Year Program may be selected to receive financial assistance from the Air Force. Such assistance will include the cost of books, tuition, laboratory fees, and a retainer fee of \$50 per month for four years.

Flight Instruction Program. (FIP). All AFROTC cadets who are physically and mentally qualified may participate, at the expense of the Air Force, in the FIP offered by civilian flight instructors at Kisters Field in Bloomington. Successful completion can lead to a civilian pilot's license and/or to further training at an Air Force flying school.

Requirements After Entering the Air Force. After entering the USAF as Second Lieutenants, newly commissioned officers are required to serve four years of active duty, or five years in the case of pilots and navigators.

Career Opportunities. After being commissioned as a Second Lieutenant the new officer has a choice of assignments in such areas as personnel, transportation, education, intelligence, missile and aircraft maintenance, communications, physics, and engineering.

First-Year Air Force General Military Education

A101 Defense of the United States I (1 cr.)

Causes of present world conflict; theory and practice of democracy and communism; factors of national power; part air, land, and naval forces play in military instrument; leadership laboratory.

A102 Defense of the United States II (1 cr.)

National defense structure, its organization, mission, and functions; a comparison of the mission, organization and functions of specific Air Force commands; professional opportunities, benefits, and responsibilities offered by the USAF; leadership laboratory.

Second-Year Air Force General Military Education**A201 World Military Systems I (1 cr.)**

Comparison of the mission, organization, functions, and characteristics of free world land, naval, and air forces; their place in allied regional security organizations; leadership laboratory.

A202 World Military Systems II (1 cr.)

The mission, organization, functions, and characteristics of communist air, land, and naval forces; operation of communist regional security organizations; impact of military power on world affairs; leadership laboratory.

First-Year Air Force Professional Officer Education**A301 Growth and Development of Aerospace Power I (3 cr.)**

The nature of war; development of air power in the U.S.; mission and organization of the Department of Defense; Air Force concepts, doctrine, and employment; leadership laboratory.

A302 Growth and Development of Aerospace Power II (3 cr.)

Treats specifically the areas of astronautics, space operations, and the future of aerospace power. Includes U.S. space programs, vehicle systems, and problems in space exploration; leadership laboratory.

Second-Year Air Force Professional Officer Education**A401 The Professional Officer I (3 cr.)**

The meaning and responsibilities of military professionalism. The Military Justice System; leadership laboratory.

A402 The Professional Officer II (3 cr.)

Includes leadership theory, functions, and practices; management principles, tools, practices, controls, and functions; problem solving; leadership laboratory.

Faculty of the School of Health, Physical Education, and Recreation, 1966-67

EMERITUS

CLEVENGER, ZORA G., Professor Emeritus of Physical Education for Men
FISHER, GORDON R., Health Track Coach Emeritus, and Associate Professor Emeritus of
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FOX, JANE, Associate Professor Emeritus of Physical Education for Women
MUNRO, EDNA F., Professor Emeritus of Physical Education for Women
RINSCH, EMIL, Librarian Emeritus and Assistant Professor Emeritus in Education and
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SCHLAFER, GEORGE E., Assistant Professor Emeritus of Recreation
WAKEFIELD, MARKHAM C., Associate Professor Emeritus of Physical Education for Men

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Coach, and Assistant Professor of Physical Education for Men
BOLYARD, THOMAS E., M.S. (Indiana University, 1964), Freshman Basketball Coach, and
Instructor in Physical Education for Men
BOOKWALTER, KARL W., Ed.D. (New York University, 1939), Professor of Physical
Education for Men
BRENNAN, WILLIAM T., M.P.H. (University of North Carolina, 1954), Assistant Pro-
fessor of Health and Safety
BROGNEAUX, JOHN P., P.E.Dir. (Indiana University, 1948), Assistant Professor; and
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BROWN, JAMES R., M.S. (Northern Illinois University, 1964), Instructor in Physical
Education for Men
BRUCE, JR., BEN F., M.S. in Health and Safety (Indiana University, 1949), Assistant
Professor of Physical Education for Men
BUCHER, CLUM C., M.S. in Ed., (Indiana University, 1933), Associate Dean of the
Junior Division, and Assistant Professor of Physical Education for Men
BURRUS, SANDRA K., M.S. (Southern Illinois University, 1962), Instructor in Physical
Education for Women
CARLSON, REYNOLD E., A.M. (University of California, 1936), Professor of Recreation
CLIFFORD, JACQUELINE A., M.Ed., (Rivier College, 1960), Instructor in Physical Educa-
tion for Women
COOK, WINIFRED A., M.S. (University of Wisconsin, 1961) Instructor in Physical Edu-
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COOPER, JOHN M., Ed.D. (University of Missouri, 1946), Director of Graduate Studies
in the School of Health, Physical Education, and Recreation, and Professor of
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COUNSILMAN, JAMES E., Ph.D. (State University of Iowa, 1951), Swimming Coach, and
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for Men

- CRITES, RANDALL E., A.M. (Ohio State University, 1966), Instructor in Physical Education for Men
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- DAL SASSO, CHRIS C., P.E.Dir. (Indiana University, 1957), Assistant Administrator, Department of Athletics, and Instructor in Physical Education for Men
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- LANDIN, WILLIAM C., M.S. in P.Ed. (Indiana University, 1962), Tennis Coach, and Assistant Professor in Physical Education for Men
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- LAWRENCE, ROBERT E., B.S. (Indiana University, 1965), Freshman Baseball Coach, and Instructor in Physical Education for Men
- LAWSON, RICHARD W., Re.Dir. (Indiana University, 1957), Assistant Professor of Recreation
- LAWTHER, JOHN D., A.M. (Columbia University, 1926), Visiting Professor of Physical Education for Men
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- LUDWIG, DONALD J., H.S.D. (Indiana University, 1953), Professor of Health and Safety

- LUFT, DONALD R., M.S. (Indiana University, 1960), Assistant Basketball Coach, and Instructor in Physical Education for Men
- MCAULEY, JANET E., M.S. (Wellesley College, 1950), Assistant Professor of Physical Education for Women
- MCCRACKEN, EMMETT B., M.S. in Ed. (Indiana University, 1935), Professor of Physical Education for Men
- MCDANIEL, CHARLES E., M.S. in Ed. (Indiana University, 1949), Head Wrestling Coach, Assistant Football Coach, and Instructor in Physical Education for Men
- MAGLEAN, MRS. M. JANET, Re.D. (Indiana University, 1959) Campus Recreation Consultant, and Professor of Recreation
- MINDHEIM, ARTHUR D., A.M. (State College of Iowa, 1960), Instructor in Physical Education for Men
- MITCHELL, LOREN, M.S. (Indiana University, 1962), Instructor in Health and Safety
- MOUROUZIS, NICHOLAS, M.S. (Ohio University, 1961), Assistant Football Coach, and Instructor in Physical Education for Men
- MYHRE, LOREN G., P.E.D. (Indiana University, 1965), Assistant Professor of Physical Education for Men, and Assistant Professor of Anatomy and Physiology
- NEWBERG, SAM, H.S.Dir. (Indiana University, 1952), Assistant Professor of Physical Education for Men
- ORWIG, J. W., B.S. (University of Michigan, 1930), Director of Athletics, and Professor of Physical Education for Men
- PERRIN, WILLIAM E., A.M. (Northeast Missouri State Teachers College, 1959), Assistant Track Coach, and Instructor in Physical Education for Men
- PETERSON, JAMES A., M.S. (Indiana University, 1951), Associate Professor of Recreation and Park Administration
- PETTINGER, JOHN D., A.B. (University of Michigan, 1961), Instructor in Physical Education for Men
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- PONT, JOHN, M.S. in Ed. (Miami University, 1956), Head Football Coach, and Associate Professor of Athletic Professional Training
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- RYSER, OTTO E., P.E.D. (Indiana University, 1953), Gymnastics Coach, and Associate Professor of Physical Education for Men
- SHERWIN, HILDA A., M.Ed. (Woman's College of the University of North Carolina, 1953), Assistant Professor of Physical Education for Women
- SLATER-HAMMEL, ARTHUR T., Ph.D. (State University of Iowa, 1947), Professor of Physical Education for Men
- STUMPNER, ROBERT L., P.E.Dir. (Indiana University, 1949), Assistant Professor of Physical Education for Men, and Director of Intramural Sports
- SUMMERS, D. DEAN, P.E.D. (Indiana University, 1956), Associate Professor of Physical Education for Women
- TULLY, ROBERT W., Re.D. (Indiana University, 1960), Associate Professor of Recreation
- VAN SCHOYCK, CARROLL W., A.M. in Ed. (Miami University, 1960), Assistant Football Coach, and Instructor in Physical Education for Men
- WATSON, LOUIS C., M.S. in P.Ed. (Indiana University, 1952), Head Varsity Basketball Coach, and Assistant Professor of Physical Education for Men
- YEAGLEY, JERAD L., M.Ed. (University of Pittsburgh, 1963), Instructor in Physical Education for Men
- ZABIK, ROGER M., M.S. (Indiana University, 1963), Instructor in Physical Education for Men

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- GRIFFIN, CLAUDIUS, A.M. (University of Richmond, 1960), Instructor in English
- HESTER, MRS. CLARA L., M.S. in Ed., Indiana University, 1937), Dean of Women, and Associate Professor of Physical Education
- KIMBALL, MRS. MARY M., A.B. (Butler University, 1963), Instructor of Physical Education
- LIENERT, WALTER J., B.S. (Indiana University, 1950), Instructor of Physical Education
- LOHSE, MRS. LOLA L., M.S. in Health and Safety (Indiana University, 1955), Director of the Normal College of the American Gymnastic Union, and Assistant Professor of Health and Physical Education
- MARTIN, FREDERICK O., M.S. in P.Ed. (Indiana University, 1950), Dean of Men, and Assistant Professor of Physical Education
- MORRIS, HOWARD B., A.M. (Columbia University, 1932), Assistant to the Director of University Relations, Indianapolis
- SCHREIBER, RUDOLPH R., Ed.D. (Indiana University, 1951), Instructor of Physical Education
- SCHRODT, JR. JOHN F., M.S. in Ed. (Indiana University, 1950), Editor of the *Indiana Alumni Magazine*

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