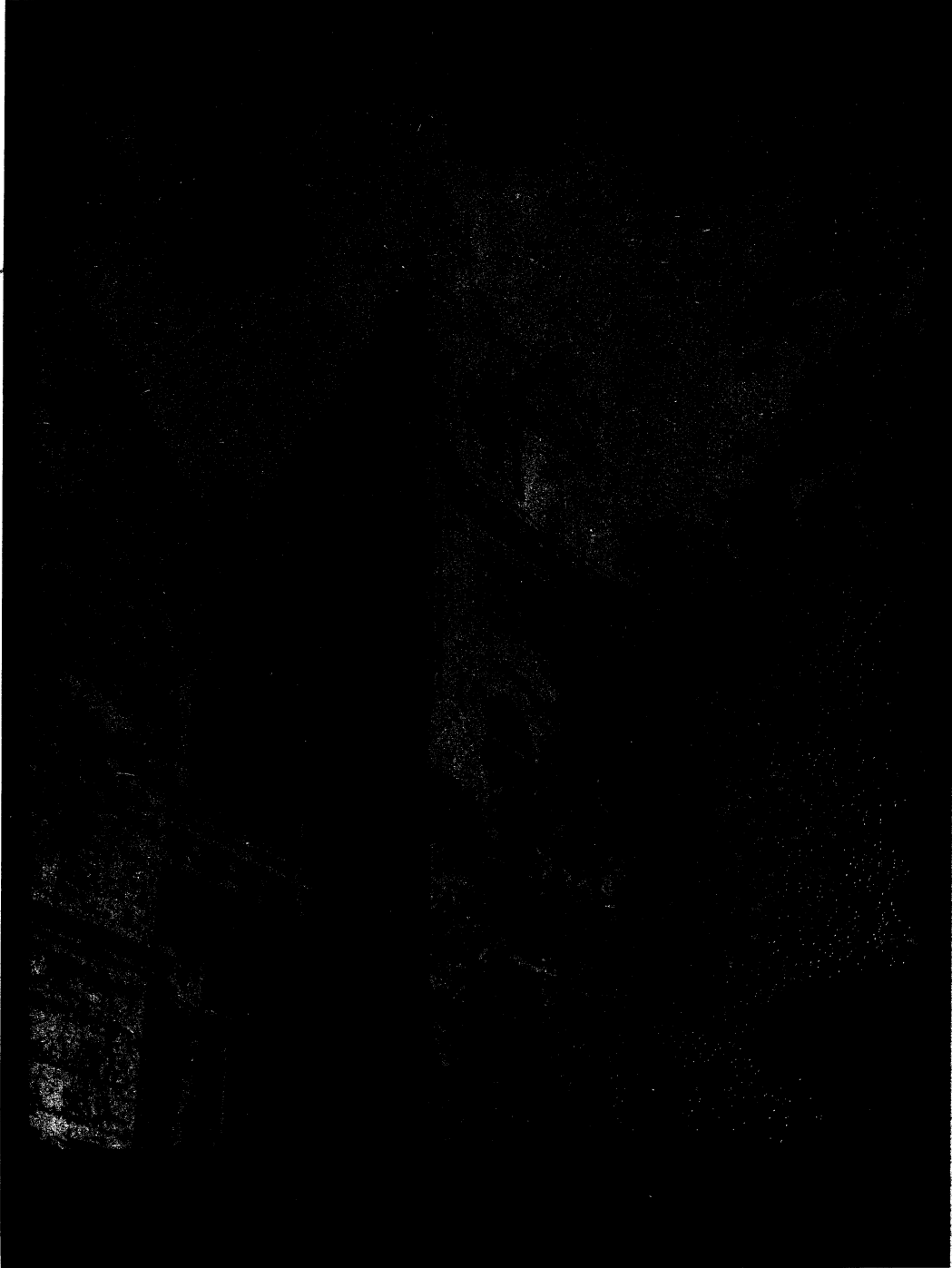


1965-66

school of health,
physical education,
and recreation



Bulletin of the
**School of Health, Physical
Education, and Recreation**
Indiana University



INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

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Historical Sketch

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.

For further information concerning degree requirements, write to the Office of the Dean, School of Health, Physical Education, and Recreation, Indiana University, Bloomington, Indiana 47405.

Calendars

First Semester

	1964-65	1965-66
New student meeting—		
Junior Division.....	Sept. 14, M.....	Sept. 13, M
New student meeting—		
transfer and graduate.....	Sept. 14, M.....	Sept. 13, M
Counseling.....	Sept. 14-16, M-W.....	Sept. 13, 14; M, T
Registration.....	Sept. 15, 16; T, W.....	Sept. 15, 16; W, Th
Classes begin.....	Sept. 17, Th, 7:30 a.m.....	Sept. 17, F, 7:30 a.m.
Mid-term reports due.....	Nov. 13, F, 5 p.m.....	Nov. 12, F, 5 p.m.
Thanksgiving recess begins.....	Nov. 25, W, 5:15 p.m.....	Nov. 24, W, 5:15 p.m.
Thanksgiving recess ends.....	Nov. 30, M, 7:30 a.m.....	Nov. 29, M, 7:30 a.m.
Christmas recess begins.....	Dec. 19, S, 12:15 p.m.....	Dec. 18, S, 12:15 p.m.
Christmas recess ends.....	Jan. 4, M, 7:30 a.m.....	Jan. 3, M, 7:30 a.m.
Classes end.....	Jan. 20, W, 5:15 p.m.....	Jan. 19, W, 5:15 p.m.
Review Day.....	Jan. 21, Th.....	Jan. 20, Th
Examinations begin.....	Jan. 22, F, 7:45 a.m.....	Jan. 21, F, 7:45 a.m.
Examinations end.....	Jan. 29, F, 5:15 p.m.....	Jan. 28, F, 5:15 p.m.

Second Semester

	1964-65	1965-66
New student meetings.....	Feb. 2, T.....	Feb. 1, T
Counseling.....	Feb. 3, 4; W, Th.....	Feb. 2, 3; W, Th
Registration.....	Feb. 5, 6; F, S.....	Feb. 4, 5; F, S
Classes begin.....	Feb. 8, M, 7:30 a.m.....	Feb. 7, M, 7:30 a.m.
Mid-term reports due.....	Mar. 26, F, 5 p.m.....	Mar. 25, F, 5 p.m.
Spring recess begins.....	Apr. 10, S, 12:15 p.m.....	Mar. 26, S, 12:15 p.m.
Spring recess ends.....	Apr. 19, M, 7:30 a.m.....	Apr. 4, M, 7:30 a.m.
Founders' Day*.....	May 5, W.....	May 4, W
Senior Class Day†.....	May 21, F.....	
Classes end.....	May 29, S, 12:15 p.m.....	May 28, S, 12:15 p.m.
Review Day.....	May 30, Sun.....	May 29, Sun
Examinations begin.....	May 31, M, 7:45 a.m.....	May 31, T, 7:45 a.m.
Examinations end.....	June 7, M, 5:15 p.m.....	June 7, T, 5:15 p.m.
Commencement.....	June 14, M, 10 a.m.....	June 13, M, 10 a.m.

Summer Sessions

	1965	1966
<i>Interession</i>		
Counseling and registration.....	June 8, T, 8 a.m.-12 m.....	June 8, W, 8 a.m.-12 m.
Classes begin.....	June 8, T, 1:30 p.m.....	June 8, W, 1:30 p.m.
Classes end.....	June 22, T.....	June 22, W
<i>Regular Session</i>		
New student meetings.....	June 21, M.....	June 21, T
Counseling.....	June 21, M.....	June 21, T
Registration.....	June 22, T.....	June 22, W
Classes begin.....	June 23, W, 7:30 a.m.....	June 23, Th, 7:30 a.m.
Monday classes meet.....	June 26, S.....	June 25, S
Independence Day holiday.....	July 3, S.....	July 4, M
Tuesday classes meet.....	July 10, S.....	July 9, S
Wednesday classes meet.....	July 24, S.....	July 23, S
Thursday classes meet.....	.....	Aug. 6, S
Classes end.....	Aug. 12, Th.....	Aug. 11, Th
<i>Postsession</i>		
Counseling.....	Aug. 11, W.....	Aug. 10, W
Registration.....	Aug. 12, Th.....	Aug. 11, Th
Classes begin.....	Aug. 13, F, 7:30 a.m.....	Aug. 12, F, 7:30 a.m.
Classes end.....	Aug. 28, S.....	Aug. 27, S

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

† Seniors excused from classes beginning at 12:30 p.m.

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Faculty of the School of Health, Physical Education, and Recreation, 1964-65

- 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.
- JOHN WILLIAM ASHTON, Ph.D., LL.D., Vice-President for Graduate Development, and Dean of the Graduate School (until February 1, 1965).
- SAMUEL EDWARD BRADEN, Ph.D., Vice-President, and Dean for Undergraduate Development.
- JOSEPH AMOS FRANKLIN, B.S., Vice-President, and Treasurer.
- RAY L. HEFFNER, JR., Ph.D., Vice-President, and Dean of the Faculties; Acting Dean of the Graduate School.
- LYNNE L. MERRITT, JR., Ph.D., Vice-President for Research, and Dean of Advanced Studies (beginning February 1, 1965).
- CHARLES EDWIN HARRELL, LL.B., Registrar, and Director of the Office of Records and Admissions.
- ARTHUR S. DANIELS, Ed.D., Dean of the School of Health, Physical Education, and Recreation.
- J. W. ORWIG, B.S., Director of Athletics.

Emeritus

- ZORA GOODWIN CLEVINGER, Professor Emeritus of Physical Education for Men.
- GORDON R. FISHER, Head Track Coach Emeritus, and Associate Professor Emeritus of Physical Education for Men.
- EDNA FRANCES MUNRO, Professor Emeritus of Physical Education for Women.
- GEORGE EZRA SCHLAFFER, A.M., Assistant Professor Emeritus of Recreation.
-
- ANITA ALDRICH, Chairman, and Professor of Physical Education for Women; Professor of Education.
B.S., Northwest Missouri State College, 1936; A.M., University of Kansas City, 1946; Ed.D., Pennsylvania State University, 1957.
- RUTH HAMMACK ALEXANDER, Instructor in Physical Education for Women.
A.B., Milligan College, 1960; A.M., University of Kentucky, 1963.
- ERNEST HENRY ANDRES, JR., Head Baseball Coach, Assistant Basketball Coach, and Assistant Professor of Physical Education for Men.
B.S. in P.Ed., Indiana University, 1950; M.S. in P.Ed., 1952.
- JACK BEELER, Assistant Football Coach, and Instructor in Physical Education for Men.
B.S., Wofford College, 1954.
- HOBART SHERWOOD BILLINGSLEY, Assistant Swimming Coach, and Assistant Professor of Physical Education for Men.
B.S., Ohio State University, 1951; M.S., University of Washington, 1953.

- KARL WEBBER BOOKWALTER**, Chairman of the Graduate Division, Director of the Bureau of Service and Research, and Professor of Physical Education for Men.
A.B., University of Denver, 1925; A.M., Teachers College, Columbia University, 1928; Ed.D., New York University, 1939.
- WILLIAM THOMAS BRENNAN**, Assistant Professor of Health and Safety.
B.S. in Ed., Northern Illinois University, 1942; M.P.H., University of North Carolina, 1954.
- JOHN PIERRE BROGNEAUX**, Assistant Professor; and Assistant Professor in Education (School of Education).
A.B., Ball State Teachers College, 1932; M.S. in Ed., Indiana University, 1937; P.E.Dir., 1948.
- HOWARD KENNETH BROWN**, Head Freshman Football Coach, and Instructor in Physical Education for Men.
B.S. in P.Ed., Indiana University, 1948; M.S. in P.Ed., 1953.
- JAMES ROLLAR BROWN**, Instructor in Physical Education for Men.
B.S., University of Michigan, 1961; M.S., Northern Illinois University, 1964.
- BEN FRANKLIN BRUCE, JR.**, Assistant Professor of Physical Education for Men.
B.S., Indiana University, 1948; M.S. in Health and Safety, 1949.
- CLUM C. BUCHER**, Associate Dean of the Junior Division, and Assistant Professor of Physical Education for Men.
A.B., Indiana University, 1929; M.S. in Ed., 1933.
- SANDRA KAY BURRUS**, Instructor in Physical Education for Women.
B.S., Southern Illinois University, 1959; M.S., 1962.
- REYNOLD EDGAR CARLSON**, Chairman, and Professor of Recreation.
A.B., University of California, 1925; A.M., 1936.
- LAWRENCE RICHARD CATUZZI**, Assistant Football Coach, and Instructor in Physical Education for Men.
B.S., University of Delaware, 1958.
- JACQUELINE ANN CLIFFORD**, Instructor in Physical Education for Women.
B.S., Boston University, 1952; M.Ed., Rivier College, 1960.
- SAM ERNEST CONGIE**, Assistant Football Coach, and Instructor in Health and Safety.
B.S. in Education, Indiana University, 1960.
- WINIFRED ANN COOK**, Instructor in Physical Education for Women.
B.S., Indiana University, 1958; M.S., University of Wisconsin, 1961.
- JAMES EDWARD COUNSILMAN**, Swimming Coach, and Associate Professor of Physical Education for Men.
B.S., Ohio State University, 1947; M.S., University of Illinois, 1948; Ph.D., State University of Iowa, 1951.
- GEORGE FORBES COUSINS**, Chairman, and Professor of Physical Education for Men.
B.Ed., Western Illinois University, 1943; M.S. in Ed., 1948; P.E.Dir., Indiana University, 1951; P.E.D., 1951.
- CHRIS CARL DAL SASSO**, Assistant Administrator, Department of Athletics, and Instructor in Physical Education for Men.
B.S., Indiana University, 1937; M.S. in Ed., 1939; P.E. Dir., 1957.
- C. WESLEY DANE**, Assistant Professor of Health and Safety.
B.S., Springfield College, 1928; M.Ed., 1941; H.S.Dir., Indiana University, 1947.
- ARTHUR S. DANIELS**, Dean of the School of Health, Physical Education, and Recreation, and Professor of Physical Education.
B.S., Springfield College, 1931; A.M., Columbia University, 1935; Ed.D., 1942.

- JOHN BLANCHARD DAUGHERTY, Professor of Physical Education for Men.
Ph.B., Dickinson College, 1933; A.M., New York University, 1948; Ph.D., 1950.
- EVELYN A. DAVIES, Professor of Physical Education for Women.
B.S., Pennsylvania State Teachers College (East Stroudsburg), 1936; M.S., Teachers College, Columbia University, 1945; Ed.D., 1950.
- THEODORE ROBERT DEPPE, Professor of Recreation.
B.S., University of Wisconsin, 1946; M.S., 1947; Re.Dir., Indiana University, 1952; Re.D., 1953.
- WILLIAM PHILLIP DICKENS, Head Football Coach, and Associate Professor of Athletic Professional Training.
B.S., University of Tennessee, 1937.
- JOHN ROBERT ENDWRIGHT, Assistant Dean of the School of Health, Physical Education, and Recreation, and Assistant Professor of Physical Education for Men.
B.S., Indiana University, 1946; M.S. in P.Ed., 1947.
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- JEROME THOMAS FEMAL, Instructor in Recreation.
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- ROBERT EDWARD FITCH, Manager of the Golf Course, and Assistant Professor of Physical Education for Men.
B.S., University of Minnesota, 1942; A.M., State University of Iowa, 1951; P.E.D., Indiana University, 1956.
- JANE FOX, Associate Professor of Physical Education for Women.
B.S., Columbia University, 1927; M.S. in Ed., Indiana University, 1934.
- MARY ESTELLE GREENWAY, Instructor in Physical Education for Women.
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B.S., Indiana University, 1931; M.S. in Ed., 1937.
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B.S., University of Tennessee, 1948; A.M., George Peabody College for Teachers, 1954.
- NORMA JEAN JOHNSON, Assistant Professor of Physical Education for Women.
B.S., Indiana University, 1952; M.S. in P.Ed., 1956.
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- WILLIAM C. LANDIN, Tennis Coach, and Instructor in Physical Education for Men.
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- JAMES ARTHUR LAVERY, Head Track Coach, and Assistant Professor of Physical Education for Men.
B.S. in Ed., Drake University, 1952; M.S. in Rec., Indiana University, 1954; Re.Dir., 1955; P.E.Dir., 1956; P.E.D., 1957.
- RICHARD WHITE LAWSON, Assistant Professor of Recreation.
B.S. in Rec., Indiana University, 1951; M.S. in Rec., 1954; Re.Dir., 1957.
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B.S., Pennsylvania State Teachers College (West Chester), 1939; A.M., University of Florida, 1949; H.S.Dir., Indiana University, 1956; H.S.D., 1957.

DONALD JAMES LUDWIG, Associate Professor of Health and Safety (on leave of absence, second semester, 1964-65).

A.B., Oberlin College, 1935; A.M., Teachers College, Columbia University, 1941; P.E.Dir., Indiana University, 1951; H.S.Dir., 1952; H.S.D., 1953.

DONALD RICHARD LUFT, Freshman Baseball Coach, Freshman Basketball Coach, and Instructor in Physical Education for Men.

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B.S., University of Michigan, 1930.

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B.S., Missouri Valley College, 1956; A.M., Northeast Missouri State Teachers College, 1959.

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STAFF OF THE NORMAL COLLEGE, INDIANAPOLIS

- ALBERT G. BERRY, Instructor in Anatomy.
B.S., Butler University, 1959.
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- (Mrs.) LOLA LENNOX LOHSE, Director of the Normal College of the American Gymnastic Union, and Assistant Professor of Health and Physical Education.
B.S., Indiana University, 1939; M.S. in Health and Safety, 1955.
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B.S., Butler University, 1942; M.S. in P.Ed., Indiana University, 1950.
- HOWARD B. MORRIS, Assistant to the Director of University Relations, Indianapolis.
A.B., Columbia University, 1930; A.M., 1932.
- EMIL RINSCH, Librarian, and Instructor in Education and Social Sciences (on leave of absence, first semester, 1964-65).
A.B., Indiana University, 1923; A.M., 1927.
- JOHN FRANKLIN SCHRODT, JR., Editor of the *Indiana Alumni Magazine*.
A.B., Evansville College, 1949; M.S. in Ed., Indiana University, 1950.

General Statement

THE School of Health, Physical Education, and Recreation has the status of equality with other professional schools of the University, exercising full liberty in determining its courses of study and curricula which lead to undergraduate and graduate degrees.

Indiana University. By every measure of strength among modern universities, Indiana University ranks near the top. It is old enough (founded in 1820) to have great stability and great traditions. It is large enough (tenth in the nation) to offer a breadth of instruction seldom equaled. Yet, through a carefully organized system of counseling, it gives personal and individual attention to each student.

The Indiana faculty, including scholars of national and international reputation, offers instruction and training in research in hundreds of subjects. The University libraries, which include some of the nation's most important collections in a number of fields, contain more than 4,000,000 pieces.

On all its campuses, Indiana University has sought to preserve the informality and friendliness of a small school. As the result, no student becomes "lost" in the transition from high school to university. This has been accomplished through the successful faculty-student counseling program of the Junior Division (the "academic home" of all freshmen) and the individualized programs in all the dormitories.

More than twenty different offices at Indiana University provide services designed to give each student individual attention. These include aid in acquiring correct study and reading habits, health care, planning for special courses of study, part-time employment, student loans and scholarships, aid in finding accommodations, and job placement service on graduation.

Since Indiana University is composed of several different schools or divisions, students receive a wide variety of opportunities for study and training. These areas cover the fields of the allied health sciences; arts and sciences; business; dentistry; education; health, physical education, and recreation; law; library science; medicine; music; nursing; optometry; and social service.

The College of Arts and Sciences has one of the largest enrollments and faculties of any college in Indiana. The School of Business, by national ranking, is a leader in a wide variety of business training courses. The School of Music is outstanding among such schools at state universities. A large percentage of the administrators and teachers in the state's public school system has been trained in the School of Education. The School of Health, Physical Education, and Recreation offers many new courses in the expanding field of health and recreation. Through the facilities of the Medical Center at Indianapolis, the School of Medicine (fourth in enrollment), the School of Dentistry, and the School of Nursing offer exceptional opportunities for training. The Division of Social Service at Indianapolis offers the only

graduate program in social work in Indiana. The School of Law, both at Bloomington and at Indianapolis, is recognized as outstanding. The Division of Allied Health Sciences offers several programs leading to degrees in the various fields associated with medicine and dentistry. The Division of Optometry offers the only accredited program in Indiana leading to a degree in optometry, and the Division of Library Science is the only graduate library school in Indiana accredited by the American Library Association.

The Graduate School at Indiana attracts scholars from hundreds of other institutions, both in the United States and abroad. Specialized study is available on the highest academic levels and in all major fields of study.

Though Bloomington is a small city, Indiana University is able to provide cultural advantages seldom duplicated in metropolitan areas. These include outstanding symphony orchestras, world-famous musicians and lecturers, Broadway dramatic and musical productions, ballet, etc. Many students enjoy participating in the activities of the more than forty musical units on the Campus, including the philharmonic orchestra, band, chorus, and many other smaller ensembles. Others become interested in the programs of the Campus publications such as the daily newspaper, or in the self-government groups, religious organizations, and the many hobby clubs.

Within easy driving distance from the Bloomington Campus are immense state forest preserves and three state parks, which are available for recreational purposes. The Campus itself is famous for its natural beauty, as is the Southern Indiana area in which the University is located. Extensive space on the Campus is provided for outdoor and indoor sports and games.

Housing for students has been a major undertaking of the University. Dormitories, with accommodations available at a wide range of prices, are provided for more than half of the students enrolled. The buildings are modern and include facilities which offer opportunities for comfort beyond the average "room and board."

Indiana University is constituted by law as the head of the state's public school system. It is supported by the people of Indiana, who have always been alert to the finest in educational opportunities. The University has not been content to rest on past attainments. Perhaps that is one reason it is one of the fastest growing universities among the thirty largest and best American institutions.

Degrees Authorized. The Trustees of Indiana University have conferred upon the faculty of the School of Health, Physical Education, and Recreation the responsibility and authority to qualify students for the following degrees: (1) the Bachelor of Science for those successfully completing four-year curricula in one of three fields—physical education, health and safety, recreation. (2) The Master of Science for those successfully completing the prescribed pattern of one year of graduate work in one of three fields—physical education, health and safety, recreation. (3) Directorate for those successfully completing the prescribed pattern of two years of graduate work in one of three fields—physical education, health and safety, recreation.

(4) Doctorate for those successfully completing the preliminary examination, the prescribed work of the major and two minors, passing the qualifying examination, an acceptable doctoral thesis, and passing the final examination (three or more years of graduate study) in one of three fields—physical education, health and safety, recreation.

Functions. Among the major functions which the School is organized to perform are the following:

1. Providing service physical education courses, both required and elective, for undergraduate students of Indiana University.
2. Organizing and supervising intramural sports programs for students of the University.
3. Contributing to recreational opportunities of students and faculty.
4. Preparing leaders, supervisors, and directors for recreational programs for state and municipal parks, community centers, summer camps, schools, and rural areas; also for service with private agencies such as industrial concerns, Y.M.C.A., Y.W.C.A., and settlement houses.
5. Preparing coaches of athletics.*
6. Furnishing technical and professional instruction and training for teachers of safety education, health education, and physical education for schools, colleges, and Turner societies.
7. Preparing graduate students for promotional, supervisory, administrative, and instructional work in colleges, universities, state departments, schools, states, and communities in fields of health, safety, athletics, physical education, and recreation.
8. Training research workers in health, safety, athletics, physical education, public health, and recreation areas of investigation.
9. Carrying on research concerning the problems associated with the various phases of the program of the School.
10. Conducting such special activities as health workshops, recreation institutes, safety conferences, physical education demonstrations and seminars, and athletic coaching clinics.
11. Giving consultant services to workers in the various areas within the scope of the programs of the school conducting surveys. Furnishing information upon request.

Accreditation. The School of Health, Physical Education, and Recreation shares with other schools of the University the accreditation accorded Indiana University as a member of the North Central Association of Colleges and Secondary Schools and by the National Council for Accreditation of Teacher Education. Indiana University is also a member of the Association of American Universities.

Graduates who complete teacher education curricula are eligible for certificates issued by the Indiana Teacher Training and Licensing Commission.

* The staff of the Department of Athletics are members of the faculty of the School of Health, Physical Education, and Recreation, and the professional preparation of coaches is a function of the School, but the direct control of the intercollegiate athletic program is in the hands of the Indiana University Faculty Committee on Athletics as prescribed by Western (Big Ten) Conference regulations.

Placement. Through the cooperation of the Bureau of Educational Placement of the School of Education, graduates of the School of Health, Physical Education, and Recreation are accorded free placement service.

The Bureau prepares the credentials of graduates and, with the cooperation of the faculty of the School of Health, Physical Education, and Recreation, communicates with prospective employers. The Bureau charges no fees for its service, and alumni who are interested are urged to write for further information. All former students with one or more years of residence work with the University are eligible for the service.

Students already registered with the Bureau are urged to keep their credentials up to date.

ADMISSION OF UNDERGRADUATES

All prospective freshmen, including transfers with less than a year of credit, must make arrangements to take either ACS or SAT and have the scores sent to Indiana University. These tests are given three or four times each school year. If necessary, write to the American College Testing Program, Inc., Iowa City, Iowa, or to the College Entrance Examination Board, Box 592, Princeton, New Jersey.

Applicants for regular undergraduate admission to attend the University at the Fort Wayne, Indianapolis, Kokomo, Northwestern, South Bend, and Southeastern Campuses and the Richmond and Vincennes Centers are to meet the standards indicated, including ACT or SAT tests and the filing dates. Their applications should be addressed to the Admissions Office in Bloomington.

Inquiries and applications of all freshmen and of undergraduate transfer applicants should be addressed to the Office of Admissions, Indiana University, Room 110, Bryan Hall, Bloomington, Indiana 47405. This office will furnish application blanks and answer questions. Special qualifications and counseling problems will be carefully and individually considered and help will be given where possible.

Both freshman and transfer applications for September must arrive at Bloomington by July 15. Application dates for second semester and summer are January 5 and May 15, respectively.

All students entering Indiana University directly from high school and all students transferring to Indiana University during their freshman year enter the Junior Division or one of the Regional Campuses.

The School of Health, Physical Education, and Recreation will accept students from the Junior Division who have completed twenty-six semester hours of work (including four hours of English composition) with an average grade of C or above in all work taken. Exceptions to this rule will be considered on an individual basis. Those students who plan to enter the School of Health, Physical Education, and Recreation should, at the time they enter the Junior Division, consult the officially designated Junior Division faculty counselors from the School of Health, Physical Education, and Recrea-

tion as to the courses they should take during the freshman year, and they should have their choice of courses approved by their counselor.

In-state Freshmen. Requirements include:

1. Graduation from a commissioned high school, successful completion of a minimum of four units of English; a minimum of nine units in some combination of foreign language, mathematics, science, and social science; and, among the other units required for graduation, as many as possible of an academic nature. All prospective students are urged to take a senior English course emphasizing written composition. One-half unit each of speech and journalism may be counted in the English requirement.

2. A rank in the upper half of the high school graduating class.

3. A rank at or above the median established by Indiana high school seniors on either the American College Test or the College Board Scholastic Aptitude Test.

The above standards will be in full effect for applicants wishing to enter any part of the University in September, 1964. Applicants for all dates in 1963 and for January and June, 1964, will be required to submit scores from the ACT or SAT and to meet as many of the other standards as they can.

The Admissions Committee has discretionary power to accept students who are deficient in one or more of the above standards and to admit on probation.

Out-of-state Freshmen. Applicants should meet all standards expected of in-state applicants and should rank in the top fourth of their class.

Transfer Students. The School of Health, Physical Education, and Recreation will accept a student from another school or division of Indiana University, provided that he has at least twice as many credit points as semester hours in which he has received a grade. Transfer applicants who are Indiana residents may transfer to Indiana University if they have academic averages of C (2.0 on a 4.0 scale) or higher and clear records as to conduct. Residents of other states wishing to transfer are required to have approximately B averages and clean records as to conduct.

Credit toward the degree Bachelor of Science in Health, Physical Education, and Recreation may be granted to a student from an approved institution for certain courses, provided such courses have a status of college level at such institution and are equivalent to courses offered at Indiana University. In completing the work for a degree, the student must, under the guidance of the Dean of the School of Health, Physical Education, and Recreation, approximate the degree requirements—due consideration being given to his specific professional objective.

No credit will be allowed at Indiana University for work in which the student has received a grade of D or lower at another institution. Students entering with advanced standing must complete fifteen hours of work with at least thirty credit points in the first semester of work at Indiana University.

When a student applies for transfer from a university or college without standard accreditation, a tentative evaluation of credits available for transfer will be made and reported to the applicant. These credits, however, will not be accepted and placed upon the permanent record of the student transferring until he has demonstrated that he can do satisfactory work at Indiana University.

SCHOLARSHIP REQUIREMENTS

In accordance with uniform Indiana University regulations, students in the School of Health, Physical Education, and Recreation have their credit points computed by the following method: A = 4; B = 3; C = 2; D = 1; F or WF = 0.

Probation. A student will be placed on probation if one of the following conditions exist:

1. During a semester or summer session the student fails to make a C average.
2. A student whose cumulative average falls below a 2.0.

To revert to good standing:

1. A student on probation must earn twice the number of credit points for the hours attempted or be subject to dismissal.

(a) A student who has a cumulative average of better than a 2.0, but who has been placed on probation because in one semester he failed to earn a C average, may be removed from probation if in the succeeding semester, after having been placed on probation, he earns better than a 2.0 average.

(b) A student placed on probation because his cumulative average is below 2.0 will remain on probation until his cumulative average is 2.0 or better. If during any semester, while on probation, the student does not earn a 2.0 average he is subject to dismissal.

2. If during any semester a student fails to earn ten or more credit points, he is subject to dismissal.

3. Notices of dismissal will be sent out from the Office of the Dean.

4. Students who have been dismissed for unsatisfactory academic performance may appeal to the Petitions Committee for reinstatement. These appeals will be judged in light of all the circumstances involved.

Incomplete Grades.* The grade of Incomplete may be given only where the completed portion of a student's work in the course is of passing quality. A student must remove an Incomplete within one calendar year from the date of recording. If the student fails to remove the Incomplete grade during the time allowed, the Incomplete will be changed to F.

A student may not register in a course in which he has a grade of Incomplete.

* None of these regulations apply to those graduate courses in which completion of the work of the course is not usually required at the end of the semester. Once a student has graduated, nothing in these regulations shall prohibit the Incomplete from remaining on the record.

The student may be denied the right to make up an Incomplete if it seems to the dean and the instructor that it is impractical for the student to complete the course. In this event, the student should be given the opportunity to withdraw from the course and receive a grade of W on University records.

Where the grade of Incomplete is given because the student missed the final examination, he shall be allowed to remove the Incomplete by taking the examination only if he has followed the regular procedure to have his absence excused and the Committee on Absence has notified the instructor that the student may be permitted to take the examination. If the Committee on Absence, under the Dean of Students, determines that the reason for the student's absence is not satisfactory, they should inform the instructor that the grade of Incomplete should be changed to a grade of F.

If the student has not removed the Incomplete within one year, the dean of the school in which he is currently registered shall authorize the Office of Records and Admissions to change the Incomplete to F. Both the student and the instructor in whose course the student received the Incomplete shall be notified of this change in grade.

A grade of Incomplete may be removed in one of the following ways: (1) The student may complete the course within the time limit and the instructor will then send the appropriate Removal of Incomplete Card to the Office of Records and Admissions. (2) The dean of the student's school may authorize the change of Incomplete to W. When the Incomplete was received because of absence from the final examination, students may prefer to receive a grade of W instead of taking the examination. In such cases, the dean will not approve the grade of W unless the Committee on Absence has approved the reason for absence.

Withdrawals. Withdrawals, approved by the dean of the student's school, during the first four weeks of a full-length semester and during the first two weeks of a summer session, are arbitrarily marked W. After this time, such withdrawals are marked W or WF according to whether the student is passing or failing in the work of the course at the time of withdrawal, and the student shall be required to show adequate reasons for withdrawal to the dean of his school. In those cases where students discontinue attendance without officially withdrawing, the instructor shall report the grade of WF. Where nonattendance occurs late in the semester, however, a grade of Incomplete may be used if the instructor has reason to believe the cause of absence was beyond the control of the student.

FEEs AND EXPENSES

Fees. All undergraduate students in the School of Health, Physical Education, and Recreation who are legal residents of the state of Indiana are charged a basic fee of \$11 per credit hour; for undergraduate nonresidents the fee is \$27 per credit hour. The basic fee for in-state graduate students is \$11 per credit hour and for out-of-state graduate students, \$27 per credit hour. The average amount of work carried by undergraduate is fifteen credit hours a semester.

An additional fee of \$50 is charged for Education M438, M480, and M485 courses in student teaching.

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

Expenses. Rates for room and meals in Halls of Residence on the Bloomington Campus vary from \$327.50 to \$450 a semester. Rates for married students vary from \$55 a month for a standard trailer to \$130 a month for a two-bedroom furnished apartment, according to type. A limited number of low-cost accommodations are available in Mason Hall for undergraduate women in apartment spaces for four or six. Students furnish own linen, china, and kitchen ware and share housekeeping and cooking responsibilities. The room-only rate is \$320 per school year. In the new Wendell L. Willkie Quadrangle, cooperative housing, including meals, is \$580 for the academic school year. Students furnish own bedding and do own housekeeping and assist in dining room duties. Write to the Director of Halls of Residence, 801 North Jordan, Indiana University, Bloomington, Indiana 47403, for detailed information and application forms.

Monthly rental payments for married student housing facilities are made in advance between the first and fifth day of the month.

Payment for room and board in the University dormitories may be made in full or in two, four, or eight equal installments which can be scheduled to avoid payments in the months when fees are paid. This will spread payments over ten months, allowing September and January for fees and August, October, November, December, February, March, April, and May for dormitory payments.

This plan, "Pay as You Learn," has been established to provide an easier way to pay basic expenses. The University also cooperates with several banks which have established finance plans for students. These plans generally provide that the bank will advance the major portion of a student's expenses each year for four years, with repayment being made to the bank in equal monthly installments over a six- or eight-year period. More complete information may be obtained by writing to the Bursar's Office, Bryan Hall, Indiana University, Bloomington, Indiana 47405.

The Indiana Memorial Union and the Campus Club provide housing facilities for graduate students, faculty, and staff; the Union also provides five efficiency apartments. For any of these housing facilities, applications should be made at the reservation desk in the Union.

Students will find accommodations to fit their means. Some will choose to live in University-approved rooms in private homes and rooming houses. Private rooms in town can be rented for an average of \$117 a semester for double rooms to \$135 a semester for single rooms. All rates are subject to change. The Off-Campus Housing Office, 801 North Jordan, Indiana University, Bloomington, Indiana 47403, maintains lists of approved rooms in private homes. Meals are available at nearby restaurants or at the Indiana Memorial Union.

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

DEPARTMENT OF ATHLETIC PROFESSIONAL TRAINING

Director ORWIG; Professor McCracken; Associate Professors COUNSILMAN, DICKENS, HARRELL; Assistant Professors ANDRES, BILLINGSLEY, FITCH, LAVERY, WATSON; Instructors BEELER, BROWN, CATUZZI, DAL SASSO, HICKS, LANDIN, LUFT, MCDANIEL, PERRIN, STEVENS, TOWNSEND.

Indiana University maintains a balanced program of intercollegiate contests in football, cross-country, basketball, swimming, wrestling, gymnastics, track (indoor), baseball, tennis, fencing, soccer, and outdoor track and field.

Outdoor facilities include a football and track stadium, three large football practice fields, a baseball field, thirty-five tennis courts, and outdoor pools.

Indoor facilities include a gymnasium basketball floor, a special basketball floor for varsity games in the Field House, two swimming pools, wrestling room, trophy room, and spacious locker and shower rooms. The Field House is 200 feet wide and 400 feet long. This building provides facilities for track, basketball, indoor practice in football, baseball, and golf, as well as for intramural sports, in which the University maintains and conducts a comprehensive program. Athletics and physical education for men are supervised by expert coaches and thoroughly trained instructors. All new men students are required to take an entrance physical examination. University physicians may be consulted by students every week day at certain scheduled hours.

Indiana University is a member of the National Collegiate Athletic Association, the Indiana Intercollegiate Conference, and the Intercollegiate Conference of Faculty Representatives, known as the Western Conference, which organization is composed of the leading institutions of this section of the country. A special effort is made to encourage participation in athletic sports, either intercollegiate or intramural, by all students. To this end, athletic fields and tennis courts are maintained for teams and students. In every practicable way the University endeavors to further the physical health and well-being of its students.

DEPARTMENT OF HEALTH AND SAFETY

Professor RASH (Chairman); Associate Professors LOFT,* LUDWIG; Assistant Professors BRENNAN, DANE; Lecturer MITCHELL.

This Department is chiefly concerned with the professional preparation of technical workers in the field of health and of teachers

* On leave of absence, second semester, 1964-65.

and administrators of school health and safety programs. Undergraduate and graduate courses are provided, and research in the field is performed.

The Department is especially fortunate in enjoying unusually fine cooperation from the staff of the Department of Anatomy and Physiology who teach required courses for majors in human anatomy, general physiology, physiology of exercise, hygiene, and graduate courses for graduate students with similar minors.

The Department of Police Administration on the Bloomington Campus is also planning cooperatively with this Department in strengthening provisions for driver testing and driver instruction facilities.

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, RINSCH (Librarian), 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 merger brought into Indiana University the oldest American institution for the training of teachers of physical and health education and of recreation. The American Gymnastic Union, a nationwide organization, was founded in 1850 and started its Normal School in 1866. It was transferred from Milwaukee to Indianapolis in 1907.

The work in Indianapolis is carried on in the east wing of the Athenaeum, Michigan and New Jersey Streets, where an auditorium and concert hall, as well as the rooms necessary for training work, are available.

A thorough and practical course in the organization and administration of camps and in camping is made possible through the use of a fully equipped camp at Elkhart Lake in Wisconsin—Camp Brosius. Students are required to attend the camp session for four weeks in June during the freshman and sophomore years.

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 FOX, LEYHE, SUMMERS; Assistant Professors JOHNSON, KOVACS, MCAULEY, SHERWIN; Instructors ALEXANDER, BURRUS, CLIFFORD, COOK, GREENWAY.

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.

The Women's Recreation Association implements the teaching of the Department by providing competition in the various team and individual sports, while interest clubs in modern dance, square dance, bowling, and swimming serve the specialized interests of students.

Women students interested in teaching careers in physical education may follow one of several options offered by the School of Health, Physical Education, and Recreation which will prepare them for leadership in physical education at the various school levels as well as in the dance field, in the Y.W.C.A., in scouting, and in camping.

DEPARTMENT OF PHYSICAL EDUCATION FOR MEN

Professors BOOKWALTER, COUSINS (Chairman), DANIELS (Dean), DAUGHERTY; Associate Professors COUNSLMAN, RYSER, SLATER-HAMMEL, WAKEFIELD; Assistant Professors BILLINGSLEY, BRUCE, BUCHER, ENDWRIGHT, LAVERY, NEWBERG, STUMPNER, WATSON; Instructors BROWN, LANDIN, LUFT, MINDHEIM, PERRIN, PHELPS, YEAGLEY, ZABIK.

The Department of Physical Education for Men has primary responsibilities in several administrative and instructional phases of the program in physical education.

The basic instructional program, which is 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 registered in the University may elect a limited number of physical education courses for academic credit.

The purpose of the program in physical education is to provide an incentive and an opportunity for every student to secure instruction and physical activity as a balance to the sedentary demands of University life; to secure and maintain a harmonious muscular development; and to conserve the social and moral values of games and sports.

The intramural sports program provides opportunities for all Indiana University men to participate in competitive team and individual activities of their choice. Participation is voluntary, and a wide and varied number of activities is offered in an effort to

appeal to all interests. Most activities are classified, and through this medium competitive athletics are available to men who would have no opportunity to participate on varsity teams. As a result, they may continue to benefit from wholesome physical activity, the release from sedentary tensions, and may enjoy the sense of belonging and contributing to a vital purpose. Care is given in an effort not to overemphasize, in order that these activities may supplement and enhance, rather than overshadow, the academic interests of the student.

Professional and technical instruction is furnished those students registered in the professional preparatory courses in the areas of health, safety, physical education, athletics, and recreation.

Provision for wholesome recreational activities for students, faculty, and staff is made during hours when the facilities of the Department are not being used for regular instructional activity.

DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

Professors CARLSON (Chairman), DEPPE, EPPLEY; Associate Professors MACLEAN, TULLY*; Assistant Professor LAWSON; Instructor FEMAL.

Indiana University, through its School of Health, Physical Education, and Recreation, has recognized the need for professional preparation of personnel for the rapidly expanding field of recreation. The School draws on the Divisions of Adult Education, Audio-Visual Communications and Radio and Television Education, and Guidance, in the School of Education; on the Departments of Botany, Fine Arts, Government, Journalism, Sociology, and Speech and Theatre, in the College of Arts and Sciences; on the School of Music; and on other schools and departments for courses to balance and enrich its offerings for recreation majors. The schedule of courses is designed to meet the needs of students who desire a background of culture and skills which will not only enrich their family life but will also enable them to render distinct contributions to community projects.

Majors in recreation are provided recreational experiences in the local community recreation program through an arrangement by which the local director of municipal recreation serves as a member of the staff of the School of Health, Physical Education, and Recreation. Additional opportunities for recreational experiences are provided at the nearby 2,300-acre Bradford Woods Outdoor Recreation Area, operated by the Department of Recreation with the cooperation of the Riley Memorial Association, and at Camp Brosius on beautiful Elkhart Lake in Wisconsin. The nationally renowned state parks of Brown County, McCormick Creek, and Spring Mill are also utilized for laboratory experiences.

In addition to its program of professional preparation, Indiana University, through its School of Health, Physical Education, and Recreation, provides a recreational program for the Bloomington Campus and serves the entire state of Indiana by providing, without

* On leave of absence, second semester, 1964-65.

charge, a field recreation consultation and training institute program to state parks, cities, and schools.

BUREAU OF SERVICE AND RESEARCH

Director and Professor BOOKWALTER.

The chief functions of the Bureau are:

1. To integrate the administration and promotion of professional advisory services of members of the staff to the state and to local school systems, park boards, and other community organizations in fields of health, safety, physical education, athletics, and recreation.
2. To develop in a central place special equipment, expert research assistance, and special research references for faculty, graduate students, and workers in the field.
3. To develop permanent exhibits in fields of health, safety, physical education, athletics and sports, and recreation: (*a*) equipment and supplies; (*b*) building materials; (*c*) stadium plans; (*d*) layouts for playgrounds and outdoor physical education space; (*e*) swimming pool plans; (*f*) examples of all known standardized tests in health, physical education, safety, and sports; (*g*) examples of teaching and coaching aids, lists of visual aids in the various fields of work in the School, and approved references in the various fields.

Undergraduate Division

Students seeking to qualify for the bachelor's degree are required to follow a pattern of work in harmony with their objectives. They should confer with an official adviser of the Dean's office, concerning a detailed outline of the curriculum in which they are interested.

A student is expected to carry from thirteen to sixteen hours of academic work a semester. Permission to carry fewer than thirteen 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 sixteen hours. The maximum number of hours to be carried by a student is nineteen hours.

Students in residence and carrying regular work in the School of Health, Physical Education, and Recreation may register in correspondence work only in exceptional cases and with the permission of the Dean of the School of Health, Physical Education, and Recreation.

Work in absence for college credit may be done through the Division of University Extension. If it is to be credited toward a degree, the entrance requirements of the School of Health, Physical Education, and Recreation must have been satisfied prior to registration. Not more than sixty hours earned in off-campus and correspondence courses may be credited toward the B.S. degree. A person who is employed full time may not take more than five hours of work each semester.

At least thirty semester hours out of the last sixty semester hours and two of the last four semesters of University work must be done in residence on the Campus at Bloomington. The Dean of the School of Health, Physical Education, and Recreation must approve any plan for off-campus work before such work is taken.

All juniors in the School must pass the English Proficiency Examination.

All degrees in the Undergraduate Division require a minimum of 124 semester hours and 248 credit points.

A candidate for graduation must file a formal application for the degree in the office of the School of Health, Physical Education, and Recreation at least two months before graduation. If a senior fails to make this application, the School of Health, Physical Education, and Recreation will not be responsible for his graduation.

TEACHING CERTIFICATES

In most cases when a student completes his degree, he has also fulfilled requirements for teacher certification.

Representative programs are shown on the following pages. However, within each department there are other curricula one may follow.

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 of Health, Physical Education, and Recreation for specific requirements.

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>		<i>Second Semester</i>	
	Hours		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
Educational Psychology for Secondary Teachers	Educ. P240 3	Humanities	2
Humanities	3	Electives (Minor Area)	6
Social and Behavioral Sciences	3		16
Electives (Minor Area)	2		
	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 of Physical Education	HPER W400 2
Basic Instruction in Physical Education for Women (Hockey)	HPER W100 1	Laboratory Teaching in the Basic Instruction Program	HPER P495 1
Tests and Measurement in Physical Education	HPER P493 3	Principles of Secondary Education	Educ. S485 3
Methods of Teaching Physical Education: For Women	Educ. M457 3	Student Teaching in the High School	Educ. M480 8
Electives (Minor Area)	7		14
	15		

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>		<i>Second Semester</i>	
	Hours		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
Introduction to Educational Psychology	Educ. P100 3	Elementary Composition ..Eng. W132	2
or		Social or Behavioral Sciences	3
Introductory Psychology I..Psy. P101	3	Humanities	3
Elementary Composition ..Eng. W131	2	Military Training	1
Social or Behavioral Sciences	3	Electives (Minor Area)	3
Humanities (HPER R273)	2		15
Military Training	1		
	15		

SOPHOMORE YEAR

Gymnastics and Rhythmic Programs	HPER M131 1	Apparatus and Conditioning Programs	HPER M132 1
Introduction to Teaching..Educ. F100	2	Educational Psychology for Secondary Teachers	Educ. P240 3
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	Military Training	1
Military Training	1	Electives (Minor Area)	3
Electives (Minor Area)	5		16
	15		

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
	15	or	
		Elective Physical Education Activities for Men	HPER M335 1
		Electives (Minor Area)	6
			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		17
Electives (Minor Area)	2		
	15		

HEALTH AND SAFETY MAJOR (40 HRS.) MEN AND WOMEN
(Must Include a Minor)

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>			<i>Second Semester</i>		
	Hours			Hours	
American History: General Course I	Hist. H105 3		American History: General Course II	Hist. H106 3	
or			or		
Introduction to American Government I	Gov. G103 3		Introduction to American Government II	Gov. G104 3	
Elementary Composition I	Eng. W131 2		Elementary Composition II	Eng. W132 2	
Basic Instruction in Physical Education	1		Basic Instruction in Physical Education	1	
Animal Biology	Zoo. Z103 5		First Aid	HPER H160 2	
Public Speaking I	Speech S121 2		Art Appreciation	F.A. H100 2	
Military (Men)	1		Introductory Psychology I	Psy. P101 3	
Electives (Minor Area)	2		Military (Men)	1	
	<hr/>		Electives (Minor Area)	2	
	16			<hr/>	
				16	

SOPHOMORE YEAR

Microbiology in Relation to Man: Lectures	Bact. B200 3		Elementary Human Anatomy	Anat. A210 5	
Microbiology in Relation to Man: Laboratory	Bact. B205 2		General Anthropology I	Anth. A103 3	
Freshman Literature I	Eng. L101 3		or		
Principles of Sociology	Soc. S161 3		Social Problems	Soc. S163 3	
Military (Men)	1		Educational Psychology for Secondary Teachers	Educ. P240 3	
Physical Education	1		or		
Electives (Minor Area)	2		Child Development	Educ. P200 3	
	<hr/>		Nutrition	Home Ec. H206 2	
	15		Military (Men)	1	
			Physical Education	1	
			Electives (Minor Area)	1	
				<hr/>	
				16	

JUNIOR YEAR

Elementary Human Physiology	Phys. P204 5		Speech Training for Teachers	Speech S425 3	
Content and Materials in Safety Education	HPER SS50 2		Introduction to Mass Communications	R.&T. C200 3	
Introduction to Teaching	Educ. F100 2		Group and Intergroup Hygiene	Physio. P306 3	
Personal Health	HPER H363 2		Electives (Minor Area)	5	
Electives (Minor Area)	4		Electives (Major Area)	3	
	<hr/>			<hr/>	
	15			15	

SENIOR YEAR

Foundations of Human Behavior	Educ. N400 3		Principles of Secondary Education	Educ. S485 3	
Methods of Teaching Health and Safety	Educ. M458 3		Community Health Education	HPER H465 3	
Organization of Health Education	HPER H464 2		Student Teaching in the High School	Educ. M480 3	
Electives (Minor Area)	7		Instructors Course in First Aid	HPER H460 2	
	<hr/>			<hr/>	
	15			16	

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	2	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	Military (Men)	1
Military (Men)	1	Basic Instruction in Physical Education	1
Basic Instruction in Physical Education	1		
	15		16

SOPHOMORE YEAR

Freshman Literature I ...Eng. L101	3	Introductory Horticulture ..Bot. B215	2
Professional Orientation..HPER R270	1	School Garden Management	
Principles of Economics I .....		.....Bot. B216	2
.....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 Basic Instruction in Physical Education for Women .....HPER W100	1	Elective Physical Education Activities for Men .....HPER M335	1
Military (Men)	1	or Basic Instruction in Physical Education for Women .....HPER W100	1
Elective	1	Military (Men)	1
	16	Electives	2
			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 .....Psc. P316	3	The Community .....Soc. S309	3
or Child Development .....Educ. P200	3	The Psychology of Learning .....Psc. P325	3
Community Centers and Playgrounds .....HPER R373	3	or Educational Psychology for Secondary Teachers ....Educ. P240	3
Aquatics .....HPER A384	1	Office Management I .....Bus. C300	2
or Introductory Rhythmic Training .....HPER W124	1	Electives	8
Science Elective	2		16
	15		

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		16
Introduction to Landscape Architecture .....HPER R464	2		
Elective	1		
	16		

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

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

SOPHOMORE YEAR

Elementary Human Anatomy		Elementary Human Physiology	
.....Anat. A219	5	.....Physiol. P204	5
Educational Psychology for		Introduction to Philosophy	
Secondary Teachers .....Educ. P240		.....Phil. P100	3
or		Dance Composition .....HPER W212	2
Child Development .....Educ. P200	3	Advanced Modern Dance	
Folk, Square, and Social		.....HPER W202	1
Dance .....HPER W224	1	General Anthropology .....A104	3
Dance Composition .....HPER W211	2	Modern Dance Workshop	
Advanced Modern Dance .....		.....HPER W214	2
.....HPER W201	1		16
Humanities (Elective)	3		
	15		

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		Musical Resources for Dance	
.....HPER W311	3	.....HPER W328	2
Life and Physical Science		Teaching of Modern Dance	
Psychology .....Psy. P111	2	.....HPER W324	1
or		Dance and the Allied Arts II	
Nature Study .....Bot. B214	2	.....HPER W312	3
or		Theory and Practice of Dance	
Astronomy .....Ast. A100	3	Techniques .....HPER W302	1
Theory and Practice of Dance		Adapted Physical Education	
Technique .....HPER W301	1	.....HPER P398	3
Rhythmic Form and Analysis		Dance Production .....HPER W411	3
.....HPER W213	2		17
Modern Dance Workshop			
.....HPER W214	2		
	15		

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		Education .....Educ. S485	3
Sports .....HPER W323	1	Dance in Elementary	
Laboratory Teaching in Basic		Education .....HPER W223	1
Instruction Program...HPER P495	1	Dance Summary .....HPER W402	1
Organization and Administration of		Electives	2
Physical Education ...HPER W400	2		15
Dance Summary .....HPER W401	1		
Social and Behavioral Science	5		
	16		

ATHLETIC TRAINING MAJOR

Four-Year Course Leading to the Degree Bachelor of Science in Health and Safety with a Major in Athletic Training (for Men)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Individual Sports	HPER M231 1	Introductory Psychology I	3
History and Principles of Physical Education	HPER P195 3	First Aid	HPER H160 2
Orientation in Athletic Training I	HPER A181 3	Apparatus and Conditioning Programs	HPER M132 1
Gymnastics and Rhythmic Programs	HPER M131 1	Arts and Crafts	HPER R273 2
Recreational Leadership	HPER R180 2	Orientation in Athletic Training II	HPER A182 3
Basic Instruction in Physical Education for Men	HPER M130 1	Basic Instruction in Physical Education for Men	HPER M130 1
Introduction to Teaching	Ed. F100 2	Elementary Composition II	Eng. W132 2
Elementary Composition I	Eng. W131 2	Military Training	1
Military Training	1		
	16		15

SOPHOMORE YEAR

Educational Psychology for Secondary Teachers	Ed. P240 3	Elementary Human Anatomy	Anat. A210 5
Football	HPER A183 1½	Techniques of Conditioning and Bandaging for the Athletic Trainer II	HPER A282 2
Basketball	HPER A184 1½	Baseball	A185 1½
Techniques of Conditioning and Bandaging for the Athletic Trainer I	HPER A281 2	Track and Field	A186 1½
Introduction to Community Recreation	HPER R274 2	Military Training	1
Social Sciences	3	Social Sciences	3
Military Training	1	Elective	1
Elective	1		
	15		15

JUNIOR YEAR

Kinesiology	HPER P397 3	Adapted Physical Education	HPER P398 3
Instruction in Athletic Training Problems	HPER A383 2	Elementary Human Physiology	Physiol. P204 5
Laboratory Practice in Athletic Training I	HPER A381 5	Laboratory Practice in Athletic Training II	HPER A382 5
Nutrition	H.Econ. H206 2	Electives	3
Content and Materials in Safety Education	HPER S350 2		
Organization of Health Education	HPER H464 2		
	16		16

SENIOR YEAR

General and Individual Hygiene	Physiol. P304 3	Advanced Techniques in Athletic Training II	HPER A482 3
Advanced Techniques in Athletic Training I	HPER A481 5	Administration, Organization, and Supervision of Physical Education	HPER M444 3
Tests and Measurements in Physical Education	HPER P493 3	Principles of Secondary Education	Ed. S485 3
The Teaching of Health and Safety	Ed. M358 2	Public Speaking I	Spch. S121 2
History and Humanities	3	Laboratory Teaching in the Basic Instruction Program	HPER P495 1
	16	History and Humanities	3
			15

UNDERGRADUATE COURSES, 1965-66

The letter preceding course number indicates category or subject field—in the School of Health, Physical Education, and Recreation, as follows:

- A—Athletics—Courses ending in 81-89.
- H—Health—Courses ending in 56-65.
- M—Physical Education for Men—Courses ending in 30-49.
- P—Physical Education for Men and Women—Courses ending in 90-99.
- R—Recreation—Courses ending in 66-80.
- S—Safety—Courses ending in 50-55.
- W—Physical Education for Women—Courses ending in 00-29.

*A181-A182. Orientation in Athletic Training I-II. (3-3 cr.)

The first semester provides a classroom orientation to the theory of athletic training with emphasis on the prevention and care of injuries. The second semester is devoted to an orientation of equipment, procedures, and keeping of records in the athletic training room. Opportunity is offered to observe training room techniques.

A183. Football. (1½ cr.)

The fundamentals of offensive and defensive line and backfield play; technique of forward passing; outstanding rules; offensive plays and the most frequently used defenses.

A184. Basketball. (1½ cr.)

The fundamentals of basket shooting, passing, ball handling, and footwork; patterns against man-to-man defense, against the zone defense and the zone pressure defense—full court and half court. The strategy of playing during the season and also of tournament play and the psychology of coaching are taught.

A185. Baseball. (1½ cr.)

The fundamentals of pitching, catching, batting, base running, infield and outfield play; offensive and defensive strategy; organization and management.

A186. Track and Field. (1½ cr.)

The fundamental procedures in conditioning and training for cross country and track and field. Its aim is to give the beginning coach a basic understanding of each event's coaching strategy and coaching psychology. Home meet organization and management are also outlined.

†A281-A282. Techniques of Conditioning and Bandaging for the Athletic Trainer I-II. (2-2 cr.)

Provides an opportunity for students to learn the skills of bandaging, taping, and first-aid methods associated with the prevention and care of athletic injuries. Athletic training room assignments provide an opportunity for practical experience.

†A381-A382. Laboratory Practice in Athletic Training I-II. (3-3 cr.)

Laboratory hours are assigned in such a way that students have an opportunity to practice athletic training skills during all sport seasons. Much of this work is under the direction and supervision of the Director of the Indiana University Student Health Center and the Athletic Team Physician.

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

† Open only to majors in the athletic training curriculum.

†A383. Instruction in Athletic Training Problems. (2 cr.)

A classroom course during which students are appraised of the problems to be confronted in high schools, colleges, and professional athletic circles. Special consideration is given to the use of such equipment as the whirlpool, infrared lamp, hydrocollator, ultraviolet ray, ultrasonic sound, low-voltage generator, etc. Films and other audio-visuals and visiting lecturers such as team physicians, professional athletic trainers, orthopedic surgeons, and others will be used extensively.

A384. Aquatics. (1 cr.)

The course covers 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 is centered on teaching methods.

A385. Technique of Wrestling. (1 cr.)

The course has three basic purposes: 1. to bring about a better understanding and appreciation of collegiate and high school wrestling; 2. to teach the basic fundamentals of wrestling--takedowns, escapes, reversals, pinning combinations, and counter maneuvers, for each of these phases; 3. to interpret and insure the proper use of amateur wrestling rules.

†A481-A482. Advanced Techniques in Athletic Training I-II.
(5-3 cr.)

Students are assigned to training room duty on a rotating schedule concurrent with sport emphases. To provide for a variety of experience, students may not only be assigned to service University athletic teams but as far as practicable may work with intramurals, high schools, Little 500 bicycle race, and other special events. Students are always under the experienced guidance and control of medical and athletic training supervisors.

A483. Principles of Sports Officiating. (2 cr.)

The course will include the ethics of sports officiating, the mastery, interpretation, and application of sports rules. The course involves laboratory as well as classroom experiences.

*A485. Advanced Undergraduate Techniques. (Credit arranged.)

An opportunity for a student especially interested to secure advanced preparation in the 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.

H160. First Aid. (2 cr.)

A lecture and demonstration course 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.)

Intended to acquaint prospective teachers with basic personal health information and to provide the motivation necessary for intelligent self-direction of health behavior with emphasis on their responsibilities as citizens and as teachers. Includes the study of physiological and psychological bases for health, health hazards, fitness, and family living. (A prior knowledge of anatomy and physiology is desirable.)

H364. Health Problems of Exceptional Children. (3 cr.)

A study of the causes of mental and physical deviations from normal. 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.

† Open only to majors in the athletic training curriculum.

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

H460. Instructor's Course in First Aid. (2 cr.)

Prerequisite, standard first aid certificate or completion of H160. The course provides an advanced consideration of first aid subject matter, and orientation in the various methods, techniques, and teaching devices in first aid courses. Practical classroom instruction is required. Completion of the course qualifies one for the instructor's certificate.

H464. Organization of Health Education. (2 cr.)

Consideration is given to the organization of the total school health program involving health services, healthful school living, and health instruction. Content and materials suitable for a high school health course are stressed. Includes an introduction to public health, textbook evaluation, and the functions of voluntary and official agencies.

H465. Community Health Education. (3 cr.)

Special consideration is given to the place of the teacher in the community health education program. Considers the need for the program, the various media and methods which may be employed, and the place of existing agencies in the program.

M130. Basic Instruction in Physical Education for Men. (1 cr.)

Instruction in basic sports skills for all Junior Division students. A reasonable competence in individual and dual sports is stressed. Physical limitations are given consideration. Emphasis is placed on the carry-over value of recreational sports and the awareness of the need for continued physical fitness.

M131. Gymnastics and Rhythmic Programs. (1 cr.)

Students participate in tumbling, simple stunts, pyramid building, marching tactics, calisthenics, folk dancing, square dancing, and polyrhythmic activities. Proficiency in the performance of these skills is developed and teaching techniques, methods of class organization, and safety procedures are stressed. Opportunity to practice the use of the teaching skills is afforded.

M132. Apparatus and Conditioning Programs. (1 cr.)

Beginning and intermediate stunts and routines are taught on the parallel and horizontal bars, the side and long horses, the trampoline, and the rings. Methods of organizing and conducting classes and teaching and spotting hints are featured. The principles of physiological conditioning are taught and practiced.

M140. Individual Gymnastics. (1 cr. each semester.)

Men students exempted from the requirement in military training and those who are given a slightly restricted or restricted health rating in the required physical education program engage in a varied program of physical activities adapted and restricted insofar as possible on the basis of individual needs.

M231. Individual Sports. (1 cr.)

Instruction in the teaching of and participation in those activities not included in other skill courses in the curriculum. Emphasis is on the teaching aspect of the activity.

M232. Team Sports. (1 cr.)

M234. Technique of Athletic and Clog Dancing. (1 cr.)

No previous experience a prerequisite. Simple athletic and clog dances for men and boys.

M249. Rhythmic Techniques. (1 cr.)

The learning of twenty-five to thirty folk and gymnastic dances and singing games suitable for the playground, gymnasium, community center, and recreation in general.

M335. Elective Physical Education Activities for Men. (1-2 cr.)

Instruction in sports skills designed to make it possible for those with some knowledge and skills to increase their competence beyond the beginning level.

M444. Administration, Organization, and Supervision of Physical Education. (3 cr.)

The philosophy and methodology of organizing and administering the physical education, intramural, and athletic programs are discussed from the standpoint of the teacher as a member of a teaching profession. The role of the physical education teacher in the conduct of the school health program and the school recreation program is also considered.

P195. History and Principles of Physical Education. (3 cr.)

This course is concerned with the understanding and interpretation of the principles of the modern physical education program. Contributions of historical programs related to the development of the present-day program are studied and evaluated.

P290. Physical Education in the Elementary School. (2 cr.)

Games and other physical education activities suitable for use in elementary school physical education programs are taught and practiced. A philosophy of elementary physical education is developed and various teaching techniques and methods are stressed. The conducting of tournaments, implementing safety, etc. are included. Students teach each other for practice.

P397. Kinesiology. (3 cr.)

Prerequisite, Anatomy A210. Application of the facts and principles of anatomy, physiology, and mechanics to the problems of teaching physical education skills and the activities of daily living.

P398. Adapted Physical Education. (3 cr.)

Prerequisites, Anatomy A210 and Kinesiology (HPER P397). Study of conditions which require the physical education program to be adapted to meet the special needs of the individual, including an analysis of normal and faulty postures. Also study of principles and practices in application of exercises and activities for specific conditions.

P493. Tests and Measurements in Physical Education. (3 cr.)

The theory of measurement in physical education, the selection and administration of appropriate tests, and the interpretation of their results by fundamental statistical procedures.

P495. Laboratory Teaching in the Basic Instruction Program. (1 cr.)

Designed to give the student a pre-practice teaching experience. The laboratory phase of this course includes the responsibility of assisting in the conduct of the basic instruction program. The classroom phase of this course is concerned with a discussion of the pertinent problems associated with the teaching of physical education.

P499. Undergraduate Research in Health, Physical Education, Recreation, Safety, or Athletics. (Credit arranged.)

R180. Recreational Leadership. (2 cr.)

For men and women. Required for the four-year elementary teacher-training course, and of students taking a major or desiring a certificate in physical education. Games, theories of play and recreation, methods of organization, technique of game conduct, proper placement of games as to age, equipment, variations of games, and incentives.

R270. Professional Orientation. (1 cr.)

Designed to introduce the student to the many professional areas within the field of recreation. Conducted as 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.)

Participation in the preparation of handcraft suitable for community centers, playgrounds, and camps.

R274. Introduction to Community Recreation. (2 cr.)

Study of the scope of community recreation; basic social values, organization, and relation to other social institutions; program content and leadership.

R275. Camp Counselors' Training Course. (2 cr.)

R276. Camp Crafts. (2 cr.)

Discussion and practice of skills in outdoor cookery, lashing, campfire programs, map and compass work, and use of native materials and nature lore.

R278. Community Sports. (2 cr.)

R373. Community Centers and Playgrounds. (3 cr.)

The course covers the varied aspects of playgrounds and community center operation; stresses leadership techniques; outlines programs, and considers problems relating to the 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. Intended for Scouters and Scouts sixteen years of age or older.

R460. Senior Seminar in Recreation. (2 cr.)

R463. Introduction to Park Management. (2 cr.)

R464. Introduction to Landscape Architecture. (2 cr.)

R469. Social Recreation. (3 cr.)

Practice in planning, demonstrating, and conducting activities and programs designed for various types of social events and gatherings.

R470. Professional Field Experience in Recreation. (8 cr.)

The student-acquired experience in recreation planning, leadership, supervision, and program evaluation by working in a community recreation public or agency program under local department and University faculty supervision. Corresponds to a student teaching course required for education majors in the School of Education.

S155. Driver Training. (2 cr.)

Designed to prepare students for the Indiana State Driver's Examination. Provides classroom instruction and supervised practice driving, including traffic situations, rules of the road, highway courtesies, and formation of desirable attitudes. Additional fee: \$7.50 a semester or summer session.

S350. Content and Materials in Safety Education. (2 cr.)

Primarily for secondary school teachers and principals. Consists of study in various areas of general safety education in the instructional program. Reference is directed to program content for the elementary school. Emphasis is placed upon accident causes and remedial action. Laboratory activities consist of projects on Campus and in community.

S351. Leadership Development in the Shooting Sports. (2 cr.)

Designed to prepare men and women to serve as voluntary leaders in community programs in the shooting sports. Students may qualify as National Rifle Association certified rifle, pistol, and shotgun instructors. Emphasis on firearms safety and the teaching of marksmanship in high schools, summer camps, YMCA, scouting, and industrial groups.

*S355. Techniques of Driver Training and Testing. (4 cr.)

Materials and methods for high school classroom and practice driving instruction are presented. Content directed to psychophysical limitations of drivers, driving procedures, car procurement, scheduling, public relations, maintenance, pedestrian protection, skill exercises, and road training. Students will be required to teach beginners. Driver's license required. Additional fee: \$5 a semester or summer session.

S457. Industrial Safety Education. (3 cr.)

This course is designed to assist students in developing an understanding of the basic principles of accident prevention as applicable to business and industry. Class discussions, the case study method, and visitations to local industrial plants are included. The human engineering aspects of accident and loss prevention are emphasized.

W100. Basic Instruction in Physical Education for Women. (1 cr.)

All activities in the Department of Physical Education for Women are offered on the elective basis.

Swimming—included synchronized, Red Cross life saving, and instructor's; Dance—including modern, folk, square, square dance calling, social; and adapted activities offered on semester basis in both semesters. The following activities are offered on a seasonal basis: bowling, each season; hockey, fall, every three years; archery, golf, tennis, volleyball, and recreational sports, fall and spring; badminton, basketball, and body dynamics, winter; and softball, spring.

W103. Modern Dance. (1 cr. each semester.)

W104. Volleyball. ($\frac{1}{2}$ cr.)

W105. Social Dancing. ($\frac{1}{2}$ cr.)

W106. Folk Dancing. ($\frac{1}{2}$ cr. each semester.)

W107. Speedball. ($\frac{1}{2}$ cr.)

W108. Badminton. ($\frac{1}{2}$ cr.)

W109. Bowling. ($\frac{1}{2}$ cr.)

W113. Tennis. ($\frac{1}{2}$ cr.)

W114. Golf. ($\frac{1}{2}$ cr.)

W115. Basketball. ($\frac{1}{2}$ cr.)

W117. Stunts and Tumbling. ($\frac{1}{2}$ cr.)

W118. Softball. ($\frac{1}{2}$ cr.)

W119. Archery. ($\frac{1}{2}$ cr.)

Activity classes for professional students.

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

W121. Physical Education for Majors. (1 cr.)

W122. Team Sports. (1 cr.)

Covers the fundamental skills and techniques of basketball, volleyball, softball, and track and field. A prerequisite for W325, the Teaching of Team Sports.

W124. Introductory Rhythmic Training. (1 cr.)

A study of simple aspects of musical structure and the relation of these elements to movement. This includes the factors of pulse beat, accent, tempo, rhythmic patterns, and phrasing.

W201-W202. Advanced Modern Dance I-II. (1-1 cr.)

Prerequisite: Intermediate modern dance or its equivalent. Planned progression in the technique of movement with emphasis on the development of skill, knowledge of different styles of movement, and ability to perform using these styles.

W211-W212. Modern Dance Composition I-II. (2-2 cr.)

The employment of the tools of dance composition in learning to use movement to express meaning. In the second semester the work is on a more advanced level with more attention given to student independent work.

W213. Rhythmic Form and Analysis. (2 cr.)

Practical coordination exercises showing the relationship between music and movement. An introduction to elementary musical notation, musical terms, and analysis of musical forms.

W214. Modern Dance Workshop I-II-III. (1-3 cr. each semester.)

Collaboration of students and directors in choreographing dances for performance; open to any students, both men and women, who are qualified and wish to pursue dance as a creative art form.

W220. Techniques of Stunts, Tumbling, and Gymnastics. (1 cr.)

Methods and materials for teaching stunts, tumbling, and gymnastics. Emphasis placed on resource material, lesson and unit planning, and safety procedures.

W222. Gymnastics, Tumbling, and Apparatus. (2 cr.)

The purpose of the course is twofold: 1) to assist the student in developing 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. Emphasis is placed on the understanding of the total dance program and the 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, and presentation of dances.

W225. Technique of Games for Elementary Schools. (1 cr.)

Consideration is given to the physical, psychological, and social characteristics of children at each age level, their applications to the selection of games, and the techniques of teaching games. Provision is made for experience in teaching games and observing game teaching.

W301-W302. Theory and Practice of Dance Techniques I-II.

(1-1 cr.)

Stress is placed on skill development and increased proficiency in the use of movement as a means of communication.

W311-W312. Dance and the Allied Arts I-II. (3-3 cr.)

W322. Individual Sports. (1 cr.)

Includes badminton, bowling, tennis, and golf.

W323. Teaching of Individual Sports. (1 cr.)

Purpose: To prepare undergraduate majors to teach badminton, bowling, and 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.)

Creative teaching of movement for the beginning level. Included are 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.)

Prerequisite, activity courses in speedball, softball, basketball, and volleyball. Analysis of skills, coaching, and progressions for team sports.

W326. Sports Officiating. (1 cr. each semester.)

Technique of officiating basketball, volleyball, softball, and field sports. Women's intramural games are used as laboratory periods.

W328. Musical Resources for Dance. (2 cr.)

A study of musical selections of various moods and qualities to be used in teaching and performing modern dance. Practical experience is given in the use of percussion instruments, rhythmical dictation, and rhythmical score writing.

W329. Dance Costuming. (2 cr.)

The design and construction of costumes for dance with special emphasis on line, material, and color.

W400. Organization and Administration of Physical Education. (2 cr.)

This course is concerned with the techniques of organization essential to the development and promotion of programs of physical education for girls in secondary schools. Attention is also given to the organization of programs for the elementary schools.

W401-W402. Dance Summary I-II. (1-1 cr.)

Advanced exploration of movement techniques with special emphasis on individual expression.

W411-W412. Dance Production I-II. (3-3 cr.)

W411: The choreography of individual dances and dances for small groups. Also included are selection of accompaniment, designing and constructing costume, staging and presentation of the dances.

W412: A continuation of Dance Production with special emphasis on forms for large groups and presentation of dances in student performance.

W416. Management of Extracurricular Activities. (1 cr.)

To teach the conduct of Intramurals, Girls' Athletic Association, and other activities.

Teachers' Courses

Education M358. The Teaching of Health and Safety. (2 cr.)

Designed to give each student an opportunity to teach, exhibit, evaluate, and organize materials for the teaching of health and safety. Teaching methods are emphasized and student participation stressed. Considers problems of health instruction for all grade levels and subject-matter areas.

Education M438. Student Teaching in Physical Education in the Elementary Schools. (3 to 5 cr.)

Additional fee: \$7 for each credit hour.

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 (R.O.T.C.)

MILITARY SCIENCE AND AIR SCIENCE

The Army and the Air Force Reserve Officers' Training Corps are separate departments of the University, Military Science and Air Science, unattached to any school or college.

1. The purposes of R.O.T.C. are:
 - a. To offer to all male students basic military training which, in any future period of active military service, will assist them in attaining positions of leadership expected of college graduates;
 - b. To provide advanced military training to selected students to make them eligible for commissions as second lieutenants in the Army or Air Force Reserve; and
 - c. To provide future citizen-leaders with a sound knowledge of military affairs and the United States military policies and requirements.
2. Basic Courses.
 - a. The two-year basic R.O.T.C. course has been a mandatory requirement since 1917 when the Board of Trustees established ". . . that freshmen and sophomore men students be required to take three hours of R.O.T.C. per week . . ." To meet this University requirement the Military Departments provide the necessary instructional personnel.
 - b. At the present time basic R.O.T.C. is required for all physically fit male students who are citizens of the United States and have not reached their twenty-third birthday. Exceptions to the full two-year requirement are:
 - (1) Transfer students with at least 26 but less than 56 acceptable credit hours are required to complete one year of basic R.O.T.C. at Indiana University and will be enrolled in first-year basic R.O.T.C.
 - (2) Veterans who have completed six months but less than twelve months active service with the Armed Forces may be exempted from the two-year basic course. However, any veteran with less than twelve months' service is required to take second-year basic R.O.T.C. as a sophomore if he desires to apply for Advanced Army R.O.T.C.
 - (3) Students who have completed three years of High School R.O.T.C. are given credit for the first year of basic R.O.T.C. Credit for senior basic R.O.T.C. training (Army, Navy, or Air Force) taken at other colleges and certain junior colleges is accepted in full by both Army and Air Force R.O.T.C. Credit for senior advanced R.O.T.C. training taken at other colleges will

be considered on an individual basis by the Professor of Military Science or the Professor of Air Science.

- c. Incoming freshmen will be offered the option of selecting either Army or Air Force Basic R.O.T.C., however, due to classroom facilities and instructional capabilities it may be impossible to accommodate each student's preference.
- d. The University reserves 4:30 to 5:15 each Thursday for R.O.T.C. activities. Care must be taken during registration to avoid conflicts.

3. Advanced Courses.

a. General

- (1) The University offers Advanced Army and Air Force R.O.T.C. These two-year courses are voluntary and applicants are selected by the Professor of Military or Air Science and approved by the President of the University.
- (2) A prerequisite for the advanced course is completion of the basic R.O.T.C. course or equivalent credit through prior R.O.T.C. training or military service as determined by the Professor of Military or Air Science.
- (3) A student who successfully completes the advanced course and receives the baccalaureate degree is recommended for a commission as second lieutenant in the U.S. Army Reserve or the U.S. Air Force Reserve. A distinguished graduate of the courses may qualify for a commission in the Regular Army or Air Force.
- (4) Both Army and Air Force R.O.T.C. offer Flight Training to cadets in their senior year. This training may lead to a private pilot's license and tests aptitudes for further flight training in the active Army or Air Force. Flight training is conducted at the nearby Bloomington Airport. It is voluntary, extracurricular, and at no cost to the student.

- b. Army R.O.T.C. Advanced Course. The course is professional in nature, and consists of general military subjects common to all branches of the Army. It leads to a reserve commission in any of the following arms or services:

Adjutant General's Corps	Infantry
Armor	Medical Service Corps
Army Intelligence & Security	Military Police Corps
Artillery	Ordnance Corps
Chemical Corps	Quartermaster Corps
Corps of Engineers	Signal Corps
Finance Corps	Transportation Corps

- c. Air Force R.O.T.C. Advanced Course. The successful completion of this course leads to the awarding of a second lieutenant's commission in the United States Air Force Reserve.

After receiving a commission, an officer is ordered to active duty in one of the following categories based on his qualifications and interests:

Pilot trainee
 Navigator-observer trainee
 Missile officer trainee
 Weather officer trainee
 Officer trainees in personnel, comptroller, procurement, transportation, manpower management, education and training, security, intelligence and information services fields
 Technical trainees in maintenance, electronics, communication, physics, chemistry, and mathematics fields.

MILITARY SCIENCE

Professor CHLOUPEK (Colonel); Assistant Professors CLAVIO (Lieutenant Colonel), PANNELL (Lieutenant Colonel), VON SCHRILTZ (Lieutenant Colonel), DAVEY (Major), DIXON (Major), MILLER (Major), PERKINS (Major), WILLIAMSON (Major); Instructors BIHLER (Captain), BRAMBLET (Captain), NEIGHBORS (Captain), WIARD (Captain).

Army First-Year Basic Course

G101. First-Semester Military Science I. (1 cr.)

No prerequisites. A survey of the defense organization of the United States and the responsibilities of citizenship. An examination of the Army's weapons systems with emphasis on individual weapons. Practical instruction in the technique of leadership. Offered only during fall semester.

G102. Second-Semester Military Science I. (1 cr.)

No prerequisites. Freshmen enrolling in second semester will enroll in G102. A review of the defense organization and the role of the Armed Forces as an instrument of national policy. A survey of the current world situation, threats to United States security, and use of the U.S. Armed Forces as a countering force. A continuation of practical leadership training. Offered only during spring semester.

*Army Second-Year Basic Course**

G201. First-Semester Military Science II. (1 cr.)

Prerequisite, Military Science I. An introductory course in map reading to include various types of maps and their use; how to use marginal information, grids, scales, measurement of distance, determination of direction, elevation and relief, ground control, and land navigation. Practical instruction in the technique of leadership. Offered only during fall semester.

G202. Second-Semester Military Science II. (1 cr.)

Prerequisite, Military Science I. An introduction to basic tactics in the employment and use of small tactical formations in conventional and non-conventional warfare. A continuation of practical leadership training. Offered only during spring semester.

* A course in American military history is required for successful completion of the Military Science Curriculum II. Students may fulfill this requirement by taking History H220 with the History Department for two credit hours or by enrolling with the Military Department and attending class each Saturday morning from 8:30 a.m. until 10 a.m. American Military History taken with the Military Department provides no additional credit hours.

Army First-Year Advanced Course

G301. First-Semester Advanced Military Science III. (3 cr.)

Prerequisites, Military Science I, II. A study of leadership theory including case studies; principles of military teaching; techniques of military training; functions of the arms and services of the Army; insurgency movements including causes and counter measures. Practical training in the duties and responsibilities of junior leaders.

G302. Second-Semester Advanced Military Science III. (3 cr.)

Prerequisites, Military Science I, II, and G301. A review of the basic principles of map reading; principles of communications; methods and equipment used to control units under tactical conditions; principles and fundamentals of offensive and defensive combat and their application; map exercises in employment of military units; physical conditioning and practical training in leadership and responsibility.

Army Second-Year Advanced Course

G401. First-Semester Advanced Military Science IV. (3 cr.)

Prerequisites, Military Science I, II, and III. Preparation for assuming the responsibilities and duties of a commissioned officer in command and staff positions. Instruction includes the preparation and use of combat orders, implementation of training programs, and practical exercise in application of tactical principles. Practical leadership training by filling key positions in the cadet brigade.

G402. Second-Semester Advanced Military Science IV. (3 cr.)

Prerequisites, Military Science I, II, III. A study of the code of an officer and customs of the service; the fundamentals of logistics, administration, and military law. Instruction includes the concepts and procedures utilized in supply, maintenance and transportation; records and records systems; trial procedure and nonjudicial punishment; and practical training in leadership as a cadet officer.

AIR SCIENCE

Professor HUNEYCUTT (Lieutenant Colonel); Assistant Professors BERRY (Lieutenant Colonel), PINORIS (Major); Instructors BURNS (Captain), FAUSER (Captain), WELCH (Captain), WILLIAMS (Captain).

Air Force First-Year Basic Course

A101. First-Semester Air Science I. (1 cr.)

An introductory course dealing with aerospace power orientation, conflict in the aerospace age, organization for national security, and the Air Force as a profession.

A102. Second-Semester Air Science I. (1 cr.)

Leadership, drill, and command.

Air Force Second-Year Basic Course

A201. First-Semester Air Science II. (1 cr.)

Leadership, drill, and command.

A202. Second-Semester Air Science II. (1 cr.)

A study of world military forces and the political-military issues surrounding the existence of these forces. Includes both our own forces and those of NATO, GENTO, SEATO, USSR and the Soviet satellites, and Communist China.

Air Force First-Year Advanced Course

A301. First-Semester Air Science III. (3 cr.)

A survey course about the nature of war; development of airpower in the United States; mission and organization of the Department of Defense; Air Force concepts, doctrine, and employment. Offered during fall semester only.

A302. Second-Semester Air Science III. (3 cr.)

A continuation of A301 that treats specifically the subjects of astronautics, space operations, and the future of aerospace power. Includes the United States space programs vehicles, systems and problems in space exploration. Offered during spring semester only.

Air Force Second-Year Advanced Course

A401. First-Semester Advanced Air Science III. (3 cr.)

A course dealing generally with military professional and specifically with the subjects of the meaning of professionalism responsibilities of the professional man, foundation of the military profession and the military justice system. Offered during fall semester only.

A402. Second-Semester Advanced Air Science IV. (3 cr.)

An extension of A401 into the area of leadership and management. Includes leadership theory, functions, and practices; management principles and functions; problem solving; and management tools, practices and controls. Offered during spring semester only.

Graduate Division

GENERAL REQUIREMENTS

Graduate instruction is offered in the fields of health and safety, physical education, and recreation. The Graduate Division is established for the purposes of: providing opportunities for advanced professional and general education of teachers, specialists, and administrators in health and safety, physical education, and recreation; advancing knowledge through research; contributing to the solution of problems in the professions at national, state, county, and local levels.

Three advanced degrees are conferred by the School of Health, Physical Education, and Recreation in each of the following fields: health and safety, physical education, and recreation. These degrees are the Master of Science, the Director, and the Doctor.

Administration of the Graduate Division is the responsibility of the graduate faculty, the Graduate Council of the School, and the Dean.

Admission to the Graduate Division. Admission is open to those with a bachelor's degree from an accredited institution. Those interested in engaging in graduate study should file an application 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. Check should be returned in the special envelope receipt form that is furnished with the application.

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.

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 during the last semester of the senior year for graduate credit.

Applicants for admission to the Graduate Division will not be accepted if their record of scholarship fails to meet the standards established by the graduate faculty of the School of Health, Physical Education, and Recreation.

Once admitted, degree candidates will be expected to maintain a satisfactory level of scholarship. Failure to do so will result in denial of the privilege of continuing work in the Graduate Division. All students will be required to take the Graduate Aptitude Examinations during their first session in residence.

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.

Time Required for Advanced Degrees. Certain time stipulations are connected with each of the advanced degrees. They are as follows:

Master of Science. With a thesis, a minimum of two semesters of full-time study, or the equivalent, beyond the baccalaureate degree is required. Without a thesis, a minimum of two and one-third semesters of full-time study or the equivalent is required. Requirements for the degree must be completed within six calendar years after initial registration.

Directorate. A minimum of four semesters of full-time study beyond the baccalaureate degree or the equivalent is required. The requirements for the degree must be completed within six calendar years after registration as a degree candidate.

Doctorate. A minimum of six semesters or the equivalent in full-time study beyond the baccalaureate degree is required for the doctorate. The requirements for the degree must be completed within six calendar years after admission to candidacy.

The time requirements for students admitted with conditions or for those who change their major subject will generally be more than the minimum requirement for the degree.

Teachers or others employed on a full-time basis, who have access to classes at the University or a University campus, may not carry more than one third of a full course load (five semester hours) each semester.

Grades and Grading.* A graduate student 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 degrees may not submit grades of C or lower for more than one third of

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

the total credit hours necessary for the degree. The Dean will review the records of all candidates whose scholarship is unsatisfactory. If the chances of successfully completing the requirements for the degree are poor, as reflected in the grades earned and other pertinent information, the student's registration in the Graduate Division will be terminated.

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 Performed at the 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 University Extension will forward to the Graduate Division of the School. This may be done either before or during registration for extension work.

A student who has been admitted to the Graduate Division may take only approved courses for graduate credit. 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.

Students working for the doctorate in the Graduate Division may not offer more than a total of thirty semester hours of extension credit to be applied toward the degree.

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: HPER 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 an Advanced Degree. Candidates for degrees 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

Adviser. An adviser will be appointed for each student upon his acceptance as a candidate for the Master of Science degree. 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. All candidates for the Master of Science degree must earn a minimum of fifteen semester hours of graduate credit on the Bloomington Campus. For other residence and time requirements, see page 43.

Credit. Candidates completing the Master of Science degree with a thesis must present a minimum of thirty semester hours of approved graduate credit, of which five hours of credit will be granted for a satisfactory thesis. Candidates completing the Master of Science degree without a thesis must present a minimum of thirty-five semester hours of approved graduate credit.

All candidates must earn twenty semester hours in approved graduate courses in their major field. The remaining graduate hours needed to complete the credit requirements may be taken within the School of Health, Physical Education, and Recreation, and in approved courses in other fields of graduate study.

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.

Course of Study. All candidates for the Master of Science degree are required to complete the course HPER T590, Introduction to Research in Health, Physical Education, and Recreation. Credits earned in this course may count toward the twenty hours required in the major area.

Candidates for the degree Master of Science in Health and Safety are required to complete the following courses to satisfy partially the twenty-semester-hour requirement in the major area:

HPER H510, Organization and Development of the School Health Program
 HPER H516, Health Education Curriculum
 HPER S550, Organization of Safety Education
 HPER H515, Health Education Test Construction
 or
 HPER T591, Interpretation of Data in Health, Physical Education,
 and Recreation

Candidates for the degree Master of Science in Physical Education are required to complete the following courses to satisfy partially the twenty-semester-hour requirement in the major area:

HPER P543, Supervision in Physical Education
 or
 HPER P546, Problems in Adapted Physical Education
 HPER P544, The Administration of Physical Education
 HPER P545, The Physical Education Curriculum
 HPER P547, Measurement and Evaluation in Physical Education
 or
 HPER T591, Interpretation of Data in Health, Physical Education,
 and Recreation

Candidates for the degree Master of Science in Recreation are required to complete the following courses to satisfy partially the twenty-semester-hour requirement in the major area:

HPER R570, Planning and Administration of Social Recreation
 HPER R573, Outdoor Recreation
 HPER R575, Administration of Public Recreation
 HPER R577, Administration of Community Centers and Playgrounds

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 the thesis has been completed, and approved by the Thesis Advisory Committee, three copies must be typewritten and bound. These must be filed with the Dean of the School of Health, Physical Education, and Recreation 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 of Indiana University is required for work done in connection with the thesis.

Graduation with Honors. Master of Science degree candidates who maintain a 3.5 over-all, point-hour ratio are eligible for graduation with honors. Candidates who seek this distinction must take a comprehensive written examination in their major field. Additional requirements for graduation with honors are the recommendation of the candidate's departmental graduate faculty and final approval by the Graduate Council.

CERTIFICATE OF SUPERVISION

As a special recognition for graduate students who complete an appropriate pattern of graduate courses for an advanced degree in any of the three areas served by the School, a certificate indicating qualifications for supervision is granted by authority of the Trustees of Indiana University.

In addition to completing one of the following patterns, a student is expected to have completed two years of successful practical experience.

Tentative Patterns for Certificates of Supervision in Advanced Areas

<i>Physical Education</i>		<i>Health and Safety</i>		<i>Recreation</i>	
HPER A588	2 cr.	HPER H510	3 cr.	HPER P540	2 cr.
HPER P540	2 cr.	HPER H514	3 cr.	HPER R570	2 cr.
HPER P543	2 cr.	HPER H515	3 cr.	HPER R573	2 cr.
HPER P544	3 cr.	HPER H516	3 cr.	HPER R574	2 cr.
HPER P545	3 cr.	HPER H618	3 cr.	HPER R575	3 cr.
HPER P546	3 cr.	HPER S550	2 cr.	HPER R577	3 cr.
HPER P547	3 cr.	HPER S555	3 cr.	HPER R675	2 cr.
HPER T590	3 cr.	HPER T590	3 cr.	HPER T590	3 cr.
HPER T591	3 cr.	HPER T593	2 cr.	HPER T593	2 cr.
HPER T598	2 cr.				
		Two credits selected from:		Five credits selected from:	
		HPER H517	3 cr.	HPER R578	2 cr.
		HPER H610	3 cr.	HPER R579	2 cr.
		HPER S655	3 cr.	HPER R667	Ar.
		HPER T591	3 cr.	HPER R676	2 cr.
				HPER T690	Ar.

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

ATHLETIC TRAINING

To meet the need for qualified athletic trainers, the School offers the following graduate athletic training curriculum. Completion of the following pattern of courses qualifies one for the degree Master of Science in Health and Safety with a major in athletic training.

Athletic Training Pattern of Courses

HPER A583	2 cr.	HPER P530	3 cr.	HPER T690	6 cr.
HPER H510	3 cr.	HPER P546	3 cr.	Physiol. P409	5 cr.
HPER H520	2 cr.	HPER P548	3 cr.	Electives	3 cr.
HPER S550	2 cr.	HPER T590	3 cr.		

HEALTH COORDINATOR

Increased attention is being given to the place of the health coordinator in the school program.

To meet the need for persons specifically qualified as health coordinators, the following pattern of courses is recommended. This pattern qualifies one for the certificate of supervision in health education and for special recommendation as health coordinator.

Health Coordinator Pattern

HPER H510	3 cr.	HPER H610	3 cr.	HPER S555	3 cr.
HPER H514	3 cr.	HPER H617	3 cr.	HPER T590	3 cr.
HPER H515	3 cr.	HPER H618	3 cr.	HPER T593	2 cr.
HPER H516	3 cr.	HPER S550	2 cr.	HPER T690	5 cr.
HPER H517	3 cr.				

DIRECTOR'S DEGREE

Purpose of Degree. The director's degree has been authorized by the Trustees of Indiana University to give recognition to those candidates who successfully complete two years of graduate study. It is felt that this degree, which is intermediate between the master's degree and the doctorate, meets an important need in the field of graduate study. 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. An adviser will be appointed for each student upon his acceptance as a candidate for the director's degree. 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. All candidates for the director's degree must earn a minimum of fifteen 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 requirements, see page 43.

Credit. Candidates completing the director's degree must present a minimum of sixty semester hours of approved graduate credit, of which three hours of credit will be granted for a satisfactory director's degree project.

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

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

Course of Study. All candidates for the director's degree are required to complete the courses HPER T590, Introduction to Research in Health, Physical Education, and Recreation; HPER T591, Interpretation of Data in Health, Physical Education, and Recreation; HPER T594, Business Procedures for the Administrator of Health, Physical Education, and Recreation; and HPER T699, Director's Degree Project. These courses may be counted toward the thirty semester hours required in the major area.

Candidates for the degree Director in Health and Safety (H.S. Dir.) are required to complete the following courses, or their equivalent, to satisfy partially the thirty-semester-hour requirement in the major area:

HPER H510, **Organization and Development of the School Health Program**
 HPER H514, **Supervisory Problems in Health and Safety Education**
 in Elementary Schools
 *HPER H515, **Health Education Test Construction**
 HPER H516, **Health Education Curriculum**
 HPER S550, **Organization of Safety Education**

Candidates for the degree Director of Physical Education (P.E. Dir.) are required to complete the following courses, or their equivalent, to satisfy partially the thirty-semester-hour requirement in the major area:

HPER P543, **Supervision in Physical Education**
 HPER P544, **Administration of Physical Education**
 HPER P545, **The Physical Education Curriculum**
 HPER P546, **Problems in Adapted Physical Education**
 †HPER P547, **Measurement and Evaluation in Physical Education**

Candidates for the degree Director of Recreation (Re.Dir.) are required to complete the following courses, or their equivalent, to satisfy partially the thirty-semester-hour requirement in the major area:

HPER R570, **Planning and Administration of Social Recreation**
 HPER R573, **Outdoor Recreation**
 HPER R575, **Administration of Public Recreation**
 HPER R577, **Administration of Community Centers and Playgrounds**
 HPER T593, **Public Relations**

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.

* HPER T591 should precede H515.

† HPER T591 should precede P547.

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. All candidates for the director's degree are required to pass a three-hour written comprehensive examination in their major area. This examination 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.

THE DOCTORATE

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. Students seeking to work toward a doctoral degree must submit an application for admission to the Graduate Division, transcripts for all previous college work, three letters of recommendation, and a small photograph. If favorable action is taken by the Graduate Council, the Dean will appoint a chairman of the student's advisory committee.

Doctoral Advisory Committee. Following consultation with the applicant, the chairman will submit to the Dean, 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: outlining 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 Dean on progress of the candidate; and certifying the completion of the work for the degree.

During his first session on campus, the student will take the Graduate Aptitude Examinations covering English usage, general culture, and abstract reasoning. The results of these examinations, with such other factors as previous professional experience and quality of undergraduate and graduate work, will determine whether or not the student will be permitted to go on for the doctorate. The decision in each case will be made by the Graduate Council of the School after consideration of the factors indicated above.

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 con-

secutive 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.

Program of Studies. It must be understood by each candidate that the doctorate is granted not only in terms of residence and a minimum of ninety semester hours of credit, but also in terms of a high level of academic work, a significant research project, and acceptable professional qualifications.

All doctoral candidates will take HPER T590, Introduction to Research; HPER T591, Interpretation of Data; and HPER T592, Statistical Techniques of Research. These courses will not count toward the thirty-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 thirty semester hours in a given field plus the three courses HPER T590, T591, and T592. Normally, a minor will consist of not fewer than fifteen 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 eighteen semester hours. A minimum of fifteen 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 HPER 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. 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 Dean 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 (HPER 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 90 hours of graduate credit, 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. 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 Bureau of Service and Research.

Final Examination. The final oral examination for the doctor's degree 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 completed 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.

GRADUATE COURSES, 1965-66

The letter preceding course number indicates category or subject field—in the School of Health, Physical Education, and Recreation, as follows:

- A—Athletics—Courses ending in 80-89.
- H—Health—Courses ending in 10-29.
- P—Physical Education—Courses ending in 30-49.
- R—Recreation—Courses ending in 60-79.
- S—Safety—Courses ending in 50-59.
- T—Technical Courses—Courses ending in 90-99.

A583. The Administration of Interscholastic Athletics. (2 cr.)

Deals with the organization of high school athletics with special reference to national, state, and local control. Considers staff, program, budget, health and safety, facilities, and other phases of administration.

H510. Organization and Administration of the School Health Program. (3 cr.)

For teachers and school administrators who desire an understanding of a well-balanced health program in the school. Considers the public health laws relating to schools, the cooperation and coordination of community agencies, the environmental factors, school health services, health instruction, and evaluation of the program.

H513. Problems in Content and Method in Health Education. (2 cr.)

A course for experienced teachers who wish to improve their work as health educators. Includes information, with experimental and other forms of research, concerning desirable content of instruction at various levels. Stresses suitability of method as determined by factors of need, interest, and comprehension ability. Involves content, methods, and teaching devices.

H514. Supervisory Problems of Health and Safety Education in Elementary Schools. (3 cr.)

A consideration of problems in education for health and safety in the grades, from kindergarten through the eighth grade. Intended for regular elementary school teachers as well as for principals and supervisors.

H515. Health Education Test Construction. (3 cr.)

An intensive study of principles of construction, selection, and interpretation of health education tests and other evaluative procedures. Includes criticism of a collection of standardized health education tests.

H516. Health Education Curriculum. (3 cr.)

A course for health educators and administrators. Stresses organization of the school health curriculum. Discriminates between curriculum and course of study. Includes intensive consideration of a collection of courses of study. Techniques for course of study construction are emphasized. Includes laboratory work in health course of study construction.

H517. School and Community Health Workshop. (3 cr.)

A course stressing democratic procedures in seeking solutions to "felt health program problems" of the school and community. Sponsored jointly by the Indiana State Board of Health, Indiana State Department of Public Instruction, and Indiana University. A number of state agencies interested in various health problems cooperate in this work.

H520. Problems of Athletic Injuries as They Concern the Coach. (2 cr.)

Discussion of the training program, including the training table, athletic trainer's supplies, and the use of therapeutic equipment. Discussion, demonstration, and practical laboratory experiences related to various techniques used in conditioning and bandaging.

H523. Community Health Organization. (3 cr.)

The organizational structure and function of the public health program. Considers official health agencies, non-official health agencies, professional associations, sponsored agencies, and civic and service clubs. Concerned primarily with how the various health agencies function to meet public health needs in a democratic society.

H610. Coordinating the Health Program in the School and Community. (3 cr.)

Stresses the functions of health coordinators in relation to: coordination of healthful living, health service, and health instruction; relationship of the school and community health programs; relationship of the various health agencies; use of school health committees and councils and community councils; and coordination of planning of health instruction.

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

Individual and group study of problems arising in the field of health and safety education.

H618. School Health Surveys. (3 cr.)

Deals with techniques and standards used in making surveys of healthful school living policies, health service, and health instruction. Includes actual survey of a school health program.

H720. Research in Health Education and Safety. (cr. arr.)

*P530. **Advanced Theory of Training Competitive Athletes.** (3 cr.)

Prerequisite, practical coaching experience. A course to acquaint teachers with the practical problems of building an athlete through the high school and collegiate years, with proper emphasis on the physical, intellectual, and psychological phases of his life incidental to a high degree of performance in intercollegiate athletic competition.

P533. **Theory and Techniques of Dance for High School and College.**
(3 cr.)

Designed primarily for high school and college teachers, the course includes both theory and practical work. Special emphasis is given to the development of skills in order to make the body an instrument of expression.

P534. **Problems of Teaching Rhythms in Elementary Grades.** (2 cr.)

A course especially designed for elementary teachers and physical education teachers working with elementary pupils. To those wishing to improve their proficiency in teaching this important phase of elementary physical education, this course has much to offer.

P535. **Physical Education in the Elementary School.** (3 cr.)

Includes games, rhythms and self-testing activities appropriate to the physiological, psychological, and emotional development of boys and girls. Includes practical assistance in the organization of the program, the scheduling of classes, allocation of facilities and suitable equipment. A practical course 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.)

A brief review of socio-economic trends and modern educational philosophy which shape the elementary physical education program. The role of the supervisor in this program. A review of appropriate and effective supervisory techniques. Course is limited to fifteen. Students should have had a minimum of four years' teaching or supervisory experience.

P539. **Facilities for Physical Education, Recreation, Health and Safety.** (3 cr.)

Principles, terminology, and standards for planning, construction, use, and maintenance of facilities are treated for the indicated programs. Standard authoritative references are studied and critically evaluated.

P540. **Organization and Administration of Intramural Sports.** (2 cr.)

History, present status, and objectives of the 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, and special administrative problems.

P543. **Supervision in Physical Education.** (2 cr.)

Principles, problems, relationships, and procedures in the supervision of physical education are considered.

P544. **Administration of Physical Education.** (3 cr.)

Principles, problems, and procedures for administering a city physical education program are taken up from the viewpoint of a city director or a school administrator.

P545. **The Physical Education Curriculum.** (3 cr.)

Principles, problems, and procedures in the development of a physical education curriculum are considered. Special emphasis is placed upon developing a course of study in physical education for a chosen situation.

* For men only.

P546. Problems in Adapted Physical Education. (3 cr.)

Prerequisite, P398 or its equivalent. The organization and administration of programs of physical education for atypical students. A detailed study of specific abnormalities commonly found in a school population with recommended procedures for accommodating these students in the physical education program.

P547. Measurement and Evaluation in Physical Education. (3 cr.)

The theory of measurement in health and physical education, the selection and administration of appropriate tests, and the interpretation of results by fundamental statistical procedures are studied. A project is required to demonstrate ability to apply the theory involved.

P548. The Nature and Basis of Motor Skill. (3 cr.)

A study of the factors that make for successful motor performance. Includes an intensive review of the available psychological data as applied to the problems of motor performance.

P549. Organization of Physical Therapy. (2 cr.)

Deals with the various special fields of physical rehabilitation with especial emphasis upon the use of such agents as exercise, massage, heat, water, electricity, and various forms of radiation in public school work. Some demonstrations will be made.

P630. The Role of Sports in Society. (3 cr.)

A study of the significance of sports in society; an examination of the relationship of sports to other elements of the culture and the manner in which sports may contribute to human welfare in our advanced technological society.

P635. Problems of Higher Education in Physical Education. (3 cr.)

A brief historical review is followed by consideration of the purposes of higher education at the several levels and the subject-matter emphases to meet them. Problems of selection, guidance, placement and essential facilities, personnel, methods, and policies are evaluated and considered.

P647. Seminar in Physical Education. (cr. arr.)

Individual and group study of problems arising in the field of physical education.

P740. Research in Physical Education. (cr. arr.)**R570. Planning and Administration of Social Recreation. (2 cr.)**

A study of the administration, planning, and conduct of social recreation. Includes classroom discussions and laboratory demonstrations.

R573. Outdoor Recreation. (2 cr.)

Organization, administration, and appreciation of programs and activities in large park areas and forests: outing clubs, campfire programs, picnics, hiking, outdoor cookery, trails, exhibits, class and field assignments.

R574. Camping Administration. (2 cr.)

Study of organization and administration of camps with particular emphasis on program planning, selection and training of staff, composite selection and development, and health and safety.

R575. Administration of Public Recreation. (3 cr.)

Study of recent trends in organization and administration of recreation on federal, state, and local levels. Attention given to legislative provision, governmental control, financing, budget, personnel, departmental organization, and administrative practices, especially on a local level.

R577. Administration of Community Centers and Playgrounds. (3 cr.)

Concerns the organization and administration of community centers and playgrounds; includes the use of school buildings and grounds for neighborhood recreation centers. Administrative techniques for programs, budgets, policies, and personnel are emphasized.

R578. Maintenance of Park and Recreation Facilities. (2 cr.)

A study of the problems involved in the maintenance of park and recreation facilities with recommendations for solution based on best practices. Includes inspection of areas and facilities.

R579. School Camping. (2 cr.)

Involves preparation for, and actual conducting of, a one-week school day camp. First three weeks involve preparation for camp, discussion relative to conducting school camp programs, training in leadership techniques. Fourth and fifth weeks include actual conducting, in cooperation with University elementary school teachers, of six afternoons of day camping.

R667. Seminar in Recreation. (cr. arr.)

Individual and group study of problems arising in the field of recreation.

R675. Recreation Surveys. (2 cr.)

Study of community surveys; evolving standards, interpretation, and presentation of data; and development of program plans based on survey data. Students conduct a comprehensive recreation survey of a given community, under the direction of the instructor.

R676. Planning Park and Recreation Facilities. (2 cr.)

A study of the relation of the park system to the total plan; area layout and design of park and recreation facilities. Includes inspection of areas and the preparation of plans.

R770. Research in Recreation. (cr. arr.)

S550. Organization of Safety Education. (2 cr.)

Designed for administrators, teachers, and other school personnel having a responsibility for organization of school and community safety education programs. Objectives, policies, procedures, and supervisory techniques are presented. Projects are developed through laboratory assignments. The various aspects of accident prevention techniques are pursued as they are applicable.

*S555. Driver Education. (3 cr.)

Deals with the needs of teachers and administrators of driver education. Emphasis is placed upon methods, organization, and administrative techniques. Development of habits, attitudes, knowledge, and skill is discussed in class periods. Dual-control cars are used to teach beginners. Students participate in traffic surveys. Additional fee: \$5 per term.

S655. Problems in Driver Education and Highway Safety. (3 cr.)

Administrative problems involved in a quality high school driver education and highway safety program are analyzed. Special emphasis is placed upon advanced driving skills, road testing, and traffic surveys. Evaluation of research studies, need for additional research, and review of adult driver education needs included. Additional fee: \$5 a semester or summer session.

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

T590. Introduction to Research in Health, Physical Education, and Recreation. (3 cr.)

The course explains, in nature and purpose, the methods and techniques of research in these fields. Potential and completed problems are analyzed with a view to possible selection of topics. Standards are given for writing up research.

T591. Interpretation of Data in Health, Physical Education, and Recreation. (3 cr.)

The elementary and essential statistical and graphical techniques for the analysis and interpretation of these data are explained. Practice upon actual data is the emphasis of the course.

T592. Statistical Techniques of Research in Health, Physical Education, and Recreation. (3 cr.)

The theory of advanced statistical techniques is analyzed and discussed. Practical applications with actual data are included.

T593. Public Relations. (2 cr.)

Study and demonstrations in the use of reports, charts, films, newspapers, radio, correspondence, public talks, interviews, conferences, office courtesies, and handling complaints. Personnel relationships are emphasized.

T594. Business Procedures for the Administrator of Health, Physical Education, and Recreation. (3 cr.)

Course involves investigation of techniques in budgeting, office management, auditing, management of funds, accounting, records and reports, purchasing, and other business procedures pertinent to the administrator of health, physical education, and recreation departments.

T690. Field Problems. (cr. arr.)

Planned field experience under supervision. Includes a practical research investigation in area of either physical education, health, or recreation.

T693. Experimental Analysis and Design. (3 cr.)

Prerequisite, T592. Procedures and principles of experimental research with emphasis on design, application of statistical techniques, analysis and interpretation of results, and assumptions basic to techniques.

T699. Director's Degree Project. (3 cr.)

A comprehensive study and written report of an administrative or supervisory operation in which functions and problems are observed, analyzed, and evaluated.

T790. Thesis in Health, Physical Education, or Recreation. (cr. arr.)

ALUMNI ASSOCIATION
of the
SCHOOL OF HEALTH, PHYSICAL EDUCATION,
AND RECREATION

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The Alumni Association of the School will hold its annual Conference during the Summer of 1965.

