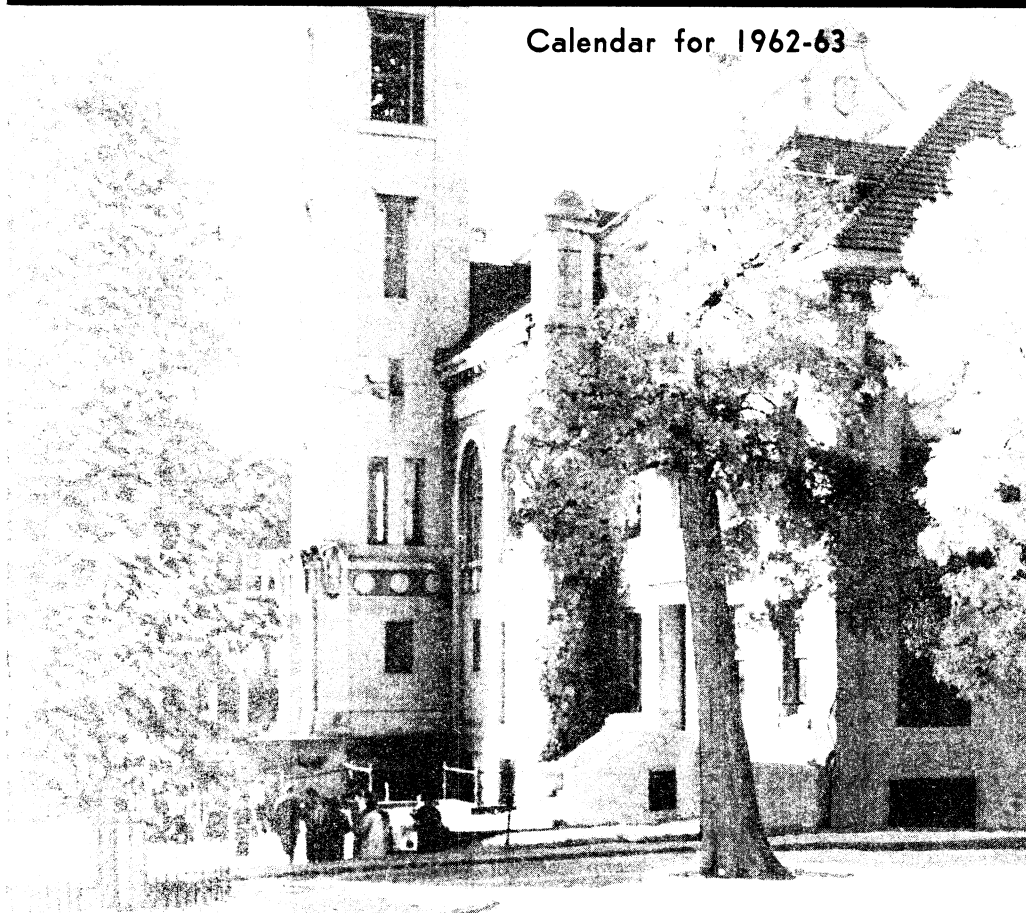


**SCHOOL OF HEALTH, PHYSICAL
EDUCATION, AND RECREATION**

Calendar for 1962-63



INDIANA UNIVERSITY BULLETIN



Bulletin of the

**School of Health,
Physical Education, and Recreation**

Indiana University

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.

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

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Calendars

First Semester

	1961-62	1962-63
New student meeting-- Junior Division.....	Sept. 11, M, 8 a.m.....	Sept. 10, M, 8 a.m.
New student meeting-- transfer and graduate.....	Sept. 12, T, 9 a.m.....	Sept. 11, T, 8 a.m.
Counseling.....	Sept. 12-14, T-Th.....	Sept. 11-13, T-Th
Registration.....	Sept. 15, 16; F, S.....	Sept. 14, 15; F, S
Classes begin.....	Sept. 18, M, 7:30 a.m.....	Sept. 17, M, 7:30 a.m.
Mid-term reports due.....	Nov. 3, F, 5 p.m.....	Nov. 2, F, 5 p.m.
Thanksgiving recess begins.....	Nov. 22, W, 5:20 p.m.....	Nov. 21, W, 5:20 p.m.
Thanksgiving recess ends.....	Nov. 27, M, 7:30 a.m.....	Nov. 26, M, 7:30 a.m.
Christmas recess begins.....	Dec. 21, Th, 5:20 p.m.....	Dec. 21, F, 5:20 p.m.
Christmas recess ends.....	Jan. 3, W, 7:30 a.m.....	Jan. 3, Th, 7:30 a.m.
Classes end.....	Jan. 12, F, 5:20 p.m.....	Jan. 11, F, 5:20 p.m.
Examinations begin.....	Jan. 15, M, 7:30 a.m.....	Jan. 14, M, 7:30 a.m.
Examinations end.....	Jan. 22, M, 6:20 p.m.....	Jan. 21, M, 5:20 p.m.

Second Semester

	1961-62	1962-63
New student meetings.....	Jan. 23, T.....	Jan. 22, T
Counseling.....	Jan. 24, 25; W, Th.....	Jan. 23, 24; W, Th
Registration.....	Jan. 26, 27; F, S.....	Jan. 25, 26; F, S
Classes begin.....	Jan. 29, M, 7:30 a.m.....	Jan. 28, M, 7:30 a.m.
Mid-term reports due.....	March 16, F, 5 p.m.....	March 15, F, 5 p.m.
Spring recess begins.....	April 18, W, 5:20 p.m.....	April 10, W, 5:20 p.m.
Spring recess ends.....	April 26, Th, 7:30 a.m.....	April 18, Th, 7:30 a.m.
Founders' Day*.....	May 2, W.....	May 1, W
Senior Class Day†.....	May 11, F.....	May 10, F
Classes end.....	May 13, F, 5:20 p.m.....	May 17, F, 5:20 p.m.
Examinations begin.....	May 21, M, 7:30 a.m.....	May 20, M, 7:30 a.m.
Examinations end.....	May 23, M, 5:20 p.m.....	May 27, M, 5:20 p.m.
Memorial Day holiday.....	May 30, W.....	May 30, Th
Commencement.....	June 4, M, 10 a.m.....	June 3, M, 10 a.m.

Summer Sessions

	1961-62	1962-63
<i>Intersession</i>		
Counseling and Registration.....	May 31, Th, 8 a.m.-12 m.....	May 31, F, 8 a.m.-12 m.
Classes begin.....	May 31, Th, 1:30 p.m.....	May 31, F, 1:30 p.m.
Classes end.....	June 14, Th.....	June 14, F
<i>Regular Session</i>		
New student meetings.....	June 13, W.....	June 12, W
Counseling.....	June 14, Th.....	June 13, Th
Registration.....	June 15, F.....	June 14, F
Classes begin.....	June 16, S, 7:30 a.m.†.....	June 15, S, 7:30 a.m.§
Independence Day holiday.....	July 4, W.....	July 4, Th
Classes end.....	Aug. 10, F.....	Aug. 9, F
<i>Postsession</i>		
Counseling.....	Aug. 9, Th.....	Aug. 8, Th
Registration.....	Aug. 10, F.....	Aug. 9, F
Classes begin.....	Aug. 11, S, 7:30 a.m.....	Aug. 10, S, 7:30 a.m.
Classes end.....	Aug. 25, S, 5:20 p.m.....	Aug. 24, S, 5:20 p.m.

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

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

‡ Wednesday classes meet.

§ Thursday classes meet.

Faculty of the School of Health, Physical Education, and Recreation, 1961-62

HERMAN B WELLS, A.M., LL.D., President of the University.

RALPH L. COLLINS, Ph.D., Vice-President, and Dean of the Faculties.

JOSEPH AMOS FRANKLIN, B.S., Vice-President, and Treasurer.

JOHN WILLIAM ASHTON, Ph.D., LL.D., Vice-President for Graduate Development, and Dean of the Graduate School.

SAMUEL EDWARD BRADEN, Ph.D., Vice-President, and Dean for Undergraduate Development.

CHARLES EDWIN HARRELL, A.B., 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, and Professor of Physical Education.

J. W. ORWIG, Director of Athletics, and Professor of Physical Education for Men.
B.S., University of Michigan, 1930.

Emeritus

ZORA GOODWIN CLEVINGER, Professor Emeritus of Physical Education for Men.

EDNA FRANCES MUNRO, Professor Emeritus of Physical Education for Women.

WILLARD WALTER PATTY, Ph.D., Dean Emeritus of the School of Health, Physical Education, and Recreation, and Professor Emeritus of Health and Safety.

GEORGE EZRA SCHLAFER, A.M., Assistant Professor Emeritus of Recreation.

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 Instructor in Physical Education for Men.
B.S., Ohio State University, 1951; M.S., University of Washington, 1953.

KARL WEBBER BOOKWALTER, 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, Instructor in Health and Safety.
B.S. in Ed., Northern Illinois University, 1942; M.P.H., University of North Carolina, 1954.

- JOHN PIERRE BROGNEAUX, Instructor in 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.
- BEN FRANKLIN BRUCE, JR., Instructor in Physical Education for Men.
B.S., Indiana University, 1948; M.S. in Health and Safety, 1949.
- CLUM C. BUGHER, Associate Dean of the Junior Division, and Assistant Professor of Physical Education for Men.
A.B., Indiana University, 1929; M.S. in Ed., 1933.
- REYNOLD EDGAR CARLSON, 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.
- WINIFRED ANN COOK, Instructor in Physical Education for Women.
B.S., Indiana University, 1958; M.S., University of Wisconsin, 1961.
- KENNETH ROBERT COUGILL, Part-time Lecturer in Recreation (first semester, 1961-62).
B.S., University of Illinois, 1933.
- JAMES EDWARD COUNSILMAN, Swimming Coach, and Assistant 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 Associate 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, Associate 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, Associate Professor of Recreation (on leave of absence, second semester, 1961-62).
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.
- K. WRIGHT DUNKLEY, Instructor in Physical Education for Women.
B.S., Ricks College, 1956; M.S., University of Utah, 1961.

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.

GARRETT G. EPPLEY, Consultant in Recreation for State Parks, Cities, and Schools, Chairman, Recreation, and Professor of Recreational Education.

A.B., Manchester College, 1919; A.M., University of Chicago, 1947; Ed.D., New York University, 1953.

JEROME THOMAS FEMAL, Part-time Instructor in Recreation.

B.S., University of Wisconsin, 1935; M.S., 1942; Re.Dir., Indiana University, 1956.

GORDON R. FISHER, Head Track Coach, and Associate Professor of Physical Education for Men.

B.S., University of Minnesota, 1926; A.M., New York University, 1932.

ROBERT EDWARD FITCH, Manager of the Golf Course, and Instructor in 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.

PAUL JOHN HARRELL, Co-ordinator of Athletics Facilities Planning, and Associate Professor of Physical Education for Men.

B.S., Indiana University, 1931; M.S. in Ed., 1937.

ROBERT BRUCE HICKS, Assistant Football Coach, and Instructor in Physical Education for Men.

B.S., University of Tennessee, 1948; A.M., George Peabody College for Teachers, 1954.

ALBERT TERRY JACKSON, Instructor in Physical Education for Men.

B.S., Springfield College, 1960; M.Ed., 1961.

NORMA JEAN JOHNSON, Instructor in Physical Education for Women.

B.S., Indiana University, 1952; M.S. in P.Ed., 1956.

WILLIAM C. LANDIN, Tennis Coach, and Instructor in Physical Education for Men.

B.S., Northwestern University, 1951.

JAMES ARTHUR LAVERY, Head Track Coach Elect (Head Track Coach, beginning second semester, 1961-62), 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, Instructor in Recreation.

B.S. in Rec., Indiana University, 1951; M.S. in Rec., 1954; Re.Dir., 1957.

JOANNE LENT, Instructor in Physical Education for Women.

A.B., Baldwin-Wallace College, 1956; A.M., State University of Iowa, 1960.

NAOMI LAURA LEYHE, Chairman, and Associate Professor of Physical Education for Women.

B.S., University of Illinois, 1935; M.S., Wellesley College, 1938; P.E.D., Indiana University, 1955.

BERNARD I. LOFT, Associate Professor of Health and Safety.

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.
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.
B.S., Indiana University, 1952; M.S., 1960.
- JANET ELIZABETH MCAULEY, Assistant Professor of Physical Education for Women.
A.B., University of Chicago, 1945; B.S., University of Illinois, 1948; M.S., Wellesley College, 1950.
- EMMETT BRANCH MCCrackEN, Head Basketball Coach, and Professor of Physical Education for Men.
B.S., Indiana University, 1930; M.S. in Ed., 1935.
- CHARLES ELMER MCDANIEL, Head Wrestling Coach, Assistant Football Coach, and Instructor in Physical Education for Men.
B.S., Indiana University, 1938; M.S. in Ed., 1949.
- (Mrs.) MILDRED JANET MACLEAN, Campus Recreation Consultant, and Assistant Professor of Recreation (on leave of absence, first semester, 1961-62).
B.S., University of Vermont, 1938; M.S. in Rec., Indiana University, 1953; Re.Dir., 1956; Re.D., 1959.
- SAM NEWBERG, Assistant Professor of Physical Education for Men.
A.B., Iowa State Teachers College, 1947; M.S. in Health and Safety, Indiana University, 1950; H.S.Dir., 1952.
- J. W. ORWIG, Director of Athletics, and Professor of Physical Education for Men.
B.S., University of Michigan, 1930.
- JESSE KEOGH RASH, Chairman, and Associate Professor of Health and Safety.
A.B., William Penn College, 1928; A.M., Y.M.C.A. Graduate School (Nashville, Tenn.), 1933; H.S.Dir., Indiana University, 1948; H.S.D., 1949; M.P.H., University of California, 1957.
- OTTO ELMER RYSER, Gymnastics Coach, and Associate Professor of Physical Education for Men.
B.S., Indiana University, 1941; M.S. in Ed., 1946; P.E.Dir., 1949; P.E.D., 1953.
- HILDA ANNE SHERWIN, Assistant Professor of Physical Education for Women.
B.S., Woman's College of the University of North Carolina, 1949; M.Ed., 1953.
- ARTHUR THOMAS SLATER-HAMMEL, Associate Professor of Physical Education for Men (on leave of absence, first semester, 1961-62).
A.B., Oberlin College, 1938; A.M., 1939; Ph.D., State University of Iowa, 1947.
- WILBUR O'NEIL STEVENS, Assistant Football Coach, and Instructor in Physical Education for Men.
B.S., Wofford College, 1942.
- ROBERT LOUIS STUMPNER, Assistant Professor of Physical Education for Men.
Ph.B., University of Wisconsin, 1943; M.S., Indiana University, 1948; P.E.Dir., 1949.
- DOROTHY DEAN SUMMERS, Associate Professor of Physical Education for Women.
A.B., Indiana University, 1944; M.S. in Ed., University of Wisconsin, 1946; P.E.D., Indiana University, 1956.

JOHN N. TOWNSEND, Assistant Football Coach, and Instructor in Physical Education for Men.

B.S., University of Wyoming, 1951.

ROBERT WARREN TULLY, Associate Professor of Recreation.

A.B., Manchester College, 1931; A.M., Claremont Graduate School, 1943; Re.Dir., Indiana University, 1953; Re.D., 1960.

MARKHAM CHURR WAKEFIELD, Associate Professor of Physical Education for Men.

A.B., Indiana University, 1920; A.M., Columbia University, 1932; Ed.D., Indiana University, 1944.

LOUIS CHARLES WATSON, 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.

STAFF OF THE NORMAL COLLEGE, INDIANAPOLIS

(Mrs.) CLARA LEDIG HESTER, Director of the Normal College of the American Gymnastic Union, Dean of Women, and Associate Professor of Physical Education.

B.P.E., Normal College of the American Gymnastic Union, 1930; M.S. in Ed., Indiana University, 1937; M.P.E. (Hon.), Normal College of the American Gymnastic Union, 1939; B.S., Indiana University, 1941.

(Mrs.) LOLA LENNOX LOHSE, Instructor in Health and Physical Education.

B.S., Indiana University, 1939; M.S. in Health and Safety, 1955.

FREDERICK OSCAR MARTIN, Dean of Men, and Assistant Professor of Physical Education.

B.S., Butler University, 1942; M.S. in P.Ed., Indiana University, 1950.

DANIEL E. OVERACK, Instructor in Anatomy (School of Medicine).

A.B., Loras College, 1954; A.M., Indiana University, 1957; Ph.D., 1960.

EMIL RINSCH, Librarian, and Instructor in Education and Social Sciences.

A.B., Indiana University, 1923; A.M., 1927.

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 (ninth 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 3,200,000 pieces.

Indiana has sought on its campuses at Bloomington and at Indianapolis 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 schools cover the fields of the allied health sciences; arts and sciences; business; dentistry; education; health, physical education, and recreation; law; medicine; music; nursing; 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 (fifth in enrollment) and the School of Dentistry offer exceptional opportunities for training. 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 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 annual productions by the Metropolitan Opera Association of New York, 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 why it is one of the fastest growing universities among the thirty largest and best American institutions.

Degrees Authorized. The Board of Trustees of Indiana University has 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. 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.

Placement. Through the co-operation 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 co-operation of the faculty of the School of Health, Physical Educa-

* 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.

tion, 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 students entering Indiana University directly from high school and all students transferring to Indiana University during their freshman year enter the Junior Division.

Graduates of Indiana commissioned high schools will be admitted to the Junior Division on certification by their high school principal; those certified by their principal to be in the lower half of their graduating class must attend required guidance tests and conferences to be arranged with the Dean of the Junior Division before the opening of the semester in which they begin attendance. Graduates of accredited high schools in other states are considered for admission if they rank high in their graduating class.

Transcripts of high school credits should be sent to the Associate Registrar for Admissions at least one month before the opening date of the semester. Transcripts that have been submitted and evaluated will become the property of the University and will not be returned.

Students with credit for less than one year's work done in other colleges or universities may be admitted to the Junior Division. Students with credit for one year's work or more in other colleges or universities may be admitted to the School of Health, Physical Education, and Recreation if the requirements for admission are satisfactorily met. Students planning to transfer credit from other colleges or universities should file with the Associate Registrar for Admissions a transcript of high school credits, certified by the principal; a letter from the institution last attended indicating that the student is in good standing; and a transcript of credits and grades secured in all subjects taken at each college or university attended.

The School of Health, Physical Education, and Recreation will accept students from the Junior Division who have completed twenty-five semester hours of course work. An average grade of C or above is expected. A student may be admitted to the School of Health, Physical Education, and Recreation on probation, subject to the approval of the Admissions Committee. At the time they enter the Junior Division, those students who plan to enter the School of Health, Physical Education, and Recreation should consult the Junior Division Faculty Counselor from the School for approval of admission and for guidance as to the courses they should take during the freshman year.

Advanced credit toward the B.S. degree may be granted to students from approved institutions for courses taken therein, provided such courses have a status of college grade in such institutions and are equivalent to courses offered in Indiana University. In completing

the work for the B.S. degree, each student must, under the guidance of the Dean of the School of Health, Physical Education, and Recreation, approximate the requirements for the degree, due consideration being given to his specific professional objective.

No credit will be allowed at Indiana University for work which 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 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 finally be accepted 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

*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.

is of passing quality. A student must remove an Incomplete within two semesters, or one summer session and one semester of subsequent residence in the University. 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.

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 two semesters of residence, 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 students in the School* who are legal residents of the state of Indiana are charged a basic fee of \$7 a credit hour for graduate or undergraduate work, or \$105 for fifteen semester hours; nonresidents are charged a basic fee of \$18 a credit hour for undergraduate work, or \$270 for fifteen semester hours, and a basic fee of \$15.25 a credit hour for graduate work, or \$228.75 for fifteen semester hours.

An additional fee of \$7.50 a semester or summer session is charged for HPER S155, and an additional fee of \$5 a semester or summer session is charged for HPER S355, S555, and S655.

An additional fee of \$7 a credit hour is charged for Education M438, M480, and M485 courses in student teaching.

The fee for any degree in the School of Health, Physical Education, and Recreation is \$5.

Fees are subject to change by action of the Board of Trustees.

Expenses. Rooms and meals in the Halls of Residence, Bloomington campus, vary from \$635 for a single room to \$900 for space in a double room for the academic year. Rates for married students vary from \$50 a month for a trailer to \$98.50 a month for a two-bedroom furnished apartment, according to type. Co-operative housing is available to women at \$70 a semester, room only. Write to the Director of Halls of Residence, West Memorial Hall, Indiana University, Bloomington, Indiana, for detailed information and application forms.

Private rooms in town can be rented for an average of \$6.50 a week a person for a double and \$7.50 for a single. The Central Housing Office, Maxwell Hall, Indiana University, Bloomington, Indiana, maintains lists of approved rooms in private homes. Meals are available at the University Commons, Cafeteria, or Tudor Room in the Indiana Memorial Union, or at nearby restaurants.

All rates are subject to change by action of the Board of Trustees.

Payment for room and meals 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 co-operates 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

* Except in the Normal College of the American Gymnastic Union Department (Indianapolis) where the fee is the same for residents and nonresidents—\$85 a semester. The fee for part-time work is \$12 a credit hour.

to the Treasurer's Office, Bryan Administration Building, Indiana University, Bloomington, Indiana.

Payments of monthly rentals for housing facilities for married students are in advance between the first and fifth day of the month.

Rooms for graduate students, faculty, and staff members, varying from \$45 to \$80 per month, per person, are available in the Indiana Memorial Union and Campus Club, also a few efficiency apartments at \$125 per month in the Union. A \$25 deposit is required and a room contract must be signed. For further information, contact the Reservations Manager, Indiana Memorial Union, Indiana University, Bloomington, Indiana.

1960-61 REGISTRATION

The registration in the School of Health, Physical Education, and Recreation for the academic year, 1960-61, was 468 undergraduate students and 216 graduate students.

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

DEPARTMENT OF ATHLETIC PROFESSIONAL TRAINING

Director ORWIG; Professor MCCracken; Associate Professors DICKENS, FISHER, HARRELL; Assistant Professors ANDRES, COUNSILMAN, LAVERY, WATSON; Instructors BEELER, BILLINGSLEY, BROWN, CATUZZI, DAL SASSO, FITCH, HICKS, LANDIN, LUFT, MCDANIEL, 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, and thirty-five tennis courts for men.

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, and has a seating capacity at present of 10,056 persons, which can be increased to meet additional demands. 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

Associate Professors LOFT, LUDWIG, RASH (Chairman); Assistant Professor DANE; Instructor BRENNAN.

This Department is chiefly concerned with the professional preparation of technical workers in the field of health and of teachers and administrators of school health and safety programs. Under-

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION 17

graduate and graduate courses are provided, and research work is done.

The Department is especially fortunate in enjoying unusually fine co-operation 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 co-operatively with this Department in strengthening provisions for driver testing and driver instruction facilities.

NORMAL COLLEGE OF THE AMERICAN GYMNASTIC UNION DEPARTMENT

Director and Associate Professor HESTER (Dean of Women); Assistant Professor MARTIN (Dean of Men); Instructors LOHSE, OVERACK, RINSCH (Librarian), Lecturer SCHRODT.

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 first half of 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, for a copy of the annual *Bulletin*.

DEPARTMENT OF PHYSICAL EDUCATION FOR WOMEN

Associate Professors DAVIES, FOX, LEYHE (Chairman), SUMMERS; Assistant Professor McAULEY; Instructors COOK, DUNKLEY, JOHNSON, LENT, SHERWIN.

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 DANIELS (Dean), DAUGHERTY; Associate Professors COUSINS (Chairman), FISHER, SLATER-HAMMEL,* WAKEFIELD; Assistant Professors BUCHER, COUNSILMAN, ENDWRIGHT, LAVERY, NEWBERG, RYSER, STUMPNER, WATSON; Instructors BILLINGSLEY, BRUCE, JACKSON, LANDIN, LUFT.

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

* On leave of absence, first semester, 1961-62.

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

Professors CARLSON, EPPLEY (Chairman); Associate Professors DEPPE,* TULLY; Assistant Professor MACLEAN,† Instructor LAWSON; Part-time Instructor FEMAL; Part-time Lecturer COUGILL.‡

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 enable them to enrich their family life or render distinct contributions to community projects.

Majors in recreation are provided recreation 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 recreation experiences are provided at the nearby 2,300-acre Bradford Woods Outdoor Recreation Area, operated by the Department of Recreation with the co-operation 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.

* On leave of absence, second semester, 1961-62.

† On leave of absence, first semester, 1961-62.

‡ First semester 1961-62.

In addition to its program of professional preparation, Indiana University, through its School of Health, Physical Education, and Recreation, provides a recreation program for the Bloomington campus and serves the entire state of Indiana by providing, without 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 consult this *Bulletin* for a detailed outline of the curriculum in which they are interested, or confer with an official adviser of the Dean's office.

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.

CURRICULA

OPTION IA

Four-year course leading to a Certificate in a Special Area in Health and Physical Education and the degree B.S. in Physical Education (for Women)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Introductory Rhythmic Training ..	1	Modern Dance, and Stunts and Tumbling ..	1
..... HPER W124		Basketball and Softball	1
Speedball and Volleyball	1	..... HPER W115, W118	
..... HPER W107, W104		Camp Counselors' Training Course.	2
Nature and Practice of Play	2	..... HPER R275	
..... HPER R170		Elementary Human Anatomy	5
First Aid	3	..... Anat. A210	
..... HPER H160		Freshman Literature I ..Eng. L101	3
Social Sciences	3	Elementary Composition II	2
Introduction to Teaching ..Ed. F100	2	..... Eng. W102	
Introductory Psychology I ..Psy. P101	3	Electives	2
Elementary Composition I	2		
..... Eng. W101			
	16		16

SOPHOMORE YEAR

Technique of Games for Elementary Schools	1	Tennis	1
..... HPER W225		Modern Dance	1
Techniques of Stunts, Tumbling, and Gymnastics	1	Swimming	1
..... HPER W220		Technique of Rhythms for the Elementary School ..	1
Archery and Folk Dancing	1	..... HPER W223	
..... HPER W119, W106		Communications	2
Kinesiology	3	Physiological Adjustments to Work and Environmental Stresses	5
..... HPER P397		..... Physiol. P409	
Elementary Human Physiology	5	History and Humanities	3
..... Physiol. P204		Badminton and Bowling	1
Educational Psychology for Secondary Teachers	3	..... HPER W108, W109	
or			
Child Development	3		
..... Ed. P200			
Golf	1/2		
..... HPER W114			
Social Dancing and Modern Dance	1/2		
..... HPER W106, W103			
	15		15

JUNIOR YEAR

Theory of the Dance ..HPER W327	2	History and Principles of Physical Education	3
General and Individual Hygiene	3	..... HPER P195	
..... Physiol. P304		Adapted Physical Education	3
Content and Materials in Safety Education	2	..... HPER P398	
..... HPER S350		Technique of Folk Dancing	1
Technique of Team Sports	1	..... HPER W224	
..... HPER W325		Technique of Modern Dancing	1
Technique of Assisting	1	..... HPER W324	
..... HPER W326		Group and Intergroup Hygiene	3
Physical Education	1	..... Physiol. P306	
..... HPER W100		Techniques of Individual Sports ..	1
Nutrition	2	..... HPER W323	
..... H. Econ. H206		Recreational Crafts .. HPER R273	2
Electives	3	Physical Education .. HPER W100	1
	15		15

SENIOR YEAR

Organization and Administration of Physical Education ..HPER W400	2	Methods of Teaching Physical Education: For Women .. Ed. M457	6
Introduction to Community Recreation	2	Secondary Education and Guidance	3
..... HPER R274		..... Ed. S485	
Organization of Health Education ..	2	Student Teaching in Physical Education in the Elementary Schools	4
..... HPER H464		..... Ed. M438	
Tests and Measurements in Physical Education	3	Student Teaching in the High School	4
..... HPER P493		..... Ed. M480	
Technique of Assisting ..HPER W326	1		
The Teaching of Health and Safety	2		
..... Ed. M368			
Physical Education Activities	1		
Social Sciences	3		
	16		16

OPTION IB

Four-year course leading to a Certificate in a Special Area in Health and Physical Education and the degree B.S. in Physical Education (for Men)

This certificate is good for teaching and supervising physical and health education in any high school (junior or senior) and in any elementary school.

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
✓ History and Principles of Physical Education HPER P195	3	Nature and Practice of Play HPER R170	2
✓ Recreational Crafts HPER R273	2	✓ Physical Education Service Courses for Men HPER M130	1
✓ First Aid HPER H160	2	✓ Introduction to Teaching . . . Ed. F100	2
✓ Physical Education Service Courses for Men HPER M130	1	✓ Sociology	3
Government	3	Introduction to Educational Psychology Ed. P100	3
✓ Elementary Composition I	2	or	
Military Training	1	Introductory Psychology I Psy. P101	3
Elective	1	Elementary Composition II Eng. W102	2
	16	Military Training	1
		Electives	2
			16

SOPHOMORE YEAR

✓ Natural Gymnastics and Apparatus Technique I HPER M131	1	✓ Natural Gymnastics and Apparatus Technique II HPER M132	1
✓ Introduction to Community Recreation HPER R274	2	✓ Rhythmic Techniques HPER M249	1
✓ Educational Psychology for Secondary Teachers Ed. P240	3	✓ Elementary Human Anatomy Anat. A210	5
✓ Public Speaking I Spch. S121	2	History and Humanities	3
History and Humanities	3	Military Training	1
Military Training	1	Electives	5
Electives	3		16
	15		

JUNIOR YEAR

✓ Techniques of Minor Athletic Games I HPER M231	1	✓ Techniques of Minor Athletic Games II HPER M232	1
✓ Football and Basketball HPER A183, A184	3	✓ Baseball, and Track and Field HPER A185, A186	3
✓ Technique of Swimming HPER A384	1	✓ Adapted Physical Education HPER P398	3
Elementary Human Physiology Physiol. P204	5	✓ Physiological Adjustments to Work and Environmental Stresses Physiol. P409	5
✓ Kinesiology HPER P397	3	Group and Intergroup Hygiene Physiol. P306	3
✓ General and Individual Hygiene Physiol. P304	3		15
	16		

SENIOR YEAR

* Physical Activity Conduct Technique HPER M440	1	✓ Methods of Teaching Physical Education: For Men Ed. M456	5
✓ Organization of Health Education HPER H464	2	✓ Secondary Education and Guidance Ed. S485	3
✓ Nutrition H.Econ. H206	2	Student Teaching in Physical Education in the Elementary Schools Ed. M438	4
✓ Administration, Organization, and Supervision of Physical Education HPER M444	3	✓ Student Teaching in the High School Ed. M480	4
✓ Tests and Measurements in Physical Education HPER P493	3		16
✓ The Teaching of Health and Safety Ed. M358	2		
✓ Content and Materials in Safety Education HPER S350	2		
	15		

* Recommended elective but not required.

OPTION IIA

Four-year course leading to a Provisional Certificate in a Comprehensive Area and the degree B.S. in Physical Education (for Women)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Speedball and Volleyball	1	Recreational Crafts... HPER R273	2
..... HPER W107, W104		Basketball and Softball	1
Introductory Rhythmic Training ..	1	..... HPER W115, W118	
..... HPER W124		Modern Dance, and Stunts and	1
First Aid	2	Tumbling .. HPER W103, W117	1
..... HPER H160		Camp Counselors' Training Course.	2
Introduction to Teaching .. Ed. F100	2	..... HPER R275	
Introductory Psychology I. Psy. P101	3	Elementary Human Anatomy	5
History and Humanities	3	..... Anat. A210	
Elementary Composition I	2	Freshman Literature I .. Eng. L101	3
..... Eng. W101		Elementary Composition II	2
Electives	2	..... Eng. W102	
	16		16

SOPHOMORE YEAR

Technique of Games for		Tennis	1
Elementary Schools .. HPER W225	1	Elementary Human Physiology	5
Archery and Folk Dancing	1	..... Physiol. P204	
..... HPER W119, W106		Technique of Folk Dancing	1
Techniques of Stunts, Tumbling, and	1	..... HPER W224	
Gymnastics	2	Social Sciences	3
Nutrition	2	Electives	5
H. Econ. H206			15
Educational Psychology for Second-	3		
ary Teachers	3		
..... Ed. P240			
Kinesiology	3		
..... HPER P397			
Communications	3		
Electives	3		
	16		

JUNIOR YEAR

Technique of Team Sports	1	Adapted Physical Education	3
..... HPER W325		..... HPER P398	
Introduction to Community Recrea-	2	History and Principles of Physical	3
tion	2	Education	9
The Teaching of Health and Safety	2	Electives	15
..... Ed. M358			
General and Individual Hygiene ...	3		
..... Physiol. P304			
Technique of Assisting .. HPER W326	1		
Content and Materials in Safety	2		
Education	4		
..... HPER S350			
Electives	4		
	15		

SENIOR YEAR

Organization and Administration of	2	Methods of Teaching Physical Edu-	5
Physical Education .. HPER W400		cation: For Women .. Ed. M457	
Tests and Measurements in Physical	3	Student Teaching in the High	8
Education	2	School	3
..... HPER P493		..... Ed. M480	
Organization of Health Education ..	2	Secondary Education and Guidance ..	3
..... HPER H464		..... Ed. S485	
Social Sciences	3		16
Electives	5		
	15		

OPTION IIB

Four-year course leading to a Provisional Certificate in a Comprehensive Area and the degree B.S. in Physical Education (for Men)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
History and Principles of Physical Education .. HPER P195	3	Recreational Crafts HPER R273	2
Nature and Practice of Play HPER R170	2	First Aid HPER H160	2
Physical Education Service Courses for Men HPER M130	1	Physical Education Service Courses for Men ... HPER M130	1
Introduction to Educational Psychology Ed. P100	3	Introduction to Teaching	2
or		..... Ed. F100	2
Introductory Psychology I	3	Elementary Composition II	2
..... Psy. P101	3	..... Eng. W102	2
Elementary Composition I	2	Sociology	3
..... Eng. W101	2	Military Training	1
Government	3	Electives	3
Military Training	1		
	<u>15</u>		<u>16</u>

SOPHOMORE YEAR

Natural Gymnastics and Apparatus Technique I HPER M131	1	Natural Gymnastics and Apparatus Technique II HPER M132	1
Introduction to Community Recreation HPER R274	2	Rhythmic Techniques . HPER M249	1
History and Humanities	3	Elementary Human Anatomy	5
Educational Psychology for Secondary Teachers Ed. P240	3	..... Anat. A210	5
Public Speaking I Spch. S121	2	History and Humanities	3
Military Training	1	Military Training	1
Electives	3	Electives	4
	<u>15</u>		<u>15</u>

JUNIOR YEAR

Techniques of Minor Athletic Games I HPER M231	1	Techniques of Minor Athletic Games II HPER M232	1
*Football and Basketball HPER A183, A184	3	*Baseball, and Track and Field HPER A185, A186	3
Technique of Swimming	1	Kinesiology HPER P397	3
..... HPER A384	1	Content and Materials in Safety Education	2
General and Individual Hygiene	3	Organization of Health Education ..	2
..... Physiol. P304	3	..... HPER H464	2
Elementary Human Physiology	5	Nutrition H.Econ. H206	3
..... Physiol. P204	5	Electives	3
Electives	3		
	<u>16</u>		<u>16</u>

SENIOR YEAR

Administration, Organization, and Supervision of Physical Education	3	Methods of Teaching Physical Education: For Men Ed. M456	5
..... HPER M444	3	Secondary Education and Guidance	3
Tests and Measurements in Physical Education	3	..... Ed. S485	3
..... HPER P493	3	Student Teaching in the High School	8
The Teaching of Health and Safety	2	..... Ed. M480	8
..... Ed. M358	2		
Adapted Physical Education	3		<u>16</u>
..... HPER P398	3		
†Physical Activity Conduct Technique	1		
..... HPER M440	1		
Electives	3		
	<u>15</u>		

* The student must earn credit in a minimum of two of four major sport technique courses.

† Recommended elective but not required.

OPTION III

Four-year course leading to a Certificate in a Comprehensive Area in Health and Safety Education and the degree B.S. in Health and Safety (Men and Women). Proper planning would also enable a person to qualify for two restricted areas in the following fields: physical education, biology, social studies, and/or general science. One is also qualified as a driver education instructor.

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Introduction to American Government I Gov. G103	3	Introduction to American Government II Gov. G104	3
Elementary Composition I Eng. W101	2	Elementary Composition II Eng. W102	2
Introductory Psychology I Psy. P101	3	Introduction to Teaching Ed. F100	2
Recreational Crafts ... HPER R273	2	Animal Biology Zool. Z103	5
History and Principles of Physical Education HPER P195	3	First Aid HPER H160	2
Physical Education	1	Physical Education	1
*Military Training	1	*Military Training	1
	<hr/>		<hr/>
	15		16

SOPHOMORE YEAR

Microbiology in Relation to Man: Lectures Bact. B200	3	Elementary Human Anatomy Anat. A210	5
and Microbiology in Relation to Man: Laboratory ... Bact. B205	2	Nutrition H.Econ. H206	2
or Plant Biology Bot. B101	5	*Military Training	1
Educational Psychology for Secondary Teachers Ed. P240	3	History	3
Public Speaking I Spch. S121	2	Electives	4
*Military Training	1		<hr/>
History	3		15
Electives	2		
	<hr/>		
	16		

JUNIOR YEAR

Elementary Human Physiology Physiol. P204	5	Physiological Adjustments to Work and Environmental Stresses Physiol. P409	5
General and Individual Hygiene Physiol. P304	3	Group and Intergroup Hygiene Physiol. P306	3
Content and Materials in Safety Education HPER S350	2	Techniques of Driver Training and Testing HPER S355	4
Child Care and Development H.Econ. H318	3	Social Problems Soc. S163	3
Principles of Sociology .. Soc. S161	3		<hr/>
	<hr/>		15
	16		

SENIOR YEAR

Organization of Health Education HPER H464	2	Methods of Teaching Health and Safety Ed. M458	5
Foundations of Human Behavior Ed. N400	3	Secondary Education and Guidance Ed. S485	3
Community Health Education HPER H465	3	Student Teaching in the High School Ed. M480	3
Electives	7		<hr/>
	<hr/>		16
	15		

* For men.

OPTION VA

Four-year course leading to the degree B.S. in Recreation (for Women)

FRESHMAN YEAR

<i>First Semester</i>		<i>Hours</i>	<i>Second Semester</i>		<i>Hours</i>
Art Appreciation	F.A. H100	2	Ornithology	Zool. Z104	2
Introduction to Educational Psychology	Ed. P100	3	Nature and Practice of Play	HPER R170	2
or			Introduction to American Government I	Gov. G103	3
Introductory Psychology I	Psy. P101	3	Introduction to American Government II	Gov. G104	3
Elementary Composition I	Eng. W101	2	Elementary Composition II	Eng. W102	2
Public Speaking I	Spch. S121	2	Principles of Sociology	Soc. S161	3
Volleyball	HPER W100	1½	Stunts and Tumbling	HPER W117	1½
Badminton	HPER W100	1½	Swimming	HPER W100	1
Introductory Rhythmic Training	HPER W124	1	Electives		1½
Elective		1			15
		15			

SOPHOMORE YEAR

Introduction to Community Recreation	HPER R274	2	Camp Counselors' Training Course	HPER R275	2
Crafts and Design I	F.A. S255	2	Child Development	Ed. P200	3
Freshman Literature I	Eng. L101	3	First Aid	HPER H160	2
Introduction to Teaching	Ed. F100	2	Camp Crafts	HPER R276	2
Nature Study	Bot. B214	3	Golf	HPER W100	1½
Archery	HPER W100	1½	Bowling	HPER W100	1½
Social Dancing	HPER W100	1½	Tennis	HPER W100	1½
Electives		3	Elective required	HPER W100	1½
		16	Natural Science		5
					16

JUNIOR YEAR

Office Management I	Bus. C390	2	Horticulture	Bot. B213	3
Recreational Crafts	HPER R273	2	Content and Material in Safety Education	HPER S350	2
Appreciation of Music I	Mus. M174	2	Educational Psychology for Secondary Teachers	Ed. P240	3
Leadership in Playgrounds and Community Centers	HPER R373	3	Technique of Folk Dancing	HPER W224	1
Introduction to Dramatic Production	Spch. S251	3	Introduction to Group Work	Soc. Serv. S410	2
Youth Service Organization	HPER R374	2	Modern Literature and the Arts	Comp. Lit. C225	2
Folk Dance	HPER W100	1	or		
		15	Children's Literature	Eng. L390	3
			Electives		3
					16 or 17

SENIOR YEAR

Utilization of Audio-Visual Materials	Ed. R523	3	Student Teaching in Recreation	Ed. M485	3
Techniques of Social Recreation	HPER R469	2	Business and Professional Speaking	Spch. S223	3
Writing for Publication	Jour. J327	3	Recreational Music	Mus. U353	2
Student Teaching in Recreation	Ed. M485	3	Secondary Education and Guidance	Ed. S485	3
Electives		5	Technique of Individual Sports	HPER W323	1
		16	Electives		4
					16

The School of Health, Physical Education, and Recreation requires a minimum of one summer or the equivalent of employment in recreation work.

OPTION VB

Four-year course leading to the degree B.S. in Recreation (for Men)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Public Speaking I Spch. S121	2	Ornithology Zool. Z104	2
Art Appreciation F.A. H100	2	Principles of Sociology Soc. S161	3
Introduction to Educational Psychology Ed. P100	3	Nature and Practice of Play HPER R170	2
or		Introduction to American Government II Gov. G104	3
Introductory Psychology I Psy. P101	3	Physical Education Service Courses for Men HPER M130	1
Introduction to American Government I Gov. G103	3	Elementary Composition II Eng. W102	2
Physical Education Service Courses for Men HPER M130	1	Military Training	1
Elementary Composition I Eng. W101	2	Electives	2
Military Training	1		
Electives	2		
	<u>16</u>		<u>16</u>

SOPHOMORE YEAR

Introduction to Community Recreation HPER R274	2	Camp Counselors' Training Course HPER R275	2
Crafts and Design I F.A. S255	2	Child Development Ed. P200	3
Freshman Literature I Eng. L101	3	First Aid HPER H1160	2
Introduction to Teaching Ed. F100	2	Camp Crafts HPER R276	2
Nature Study Bot. B214	3	Appreciation of Music I Mus. M174	2
Technique of Swimming HPER A384	1	Techniques of Minor Athletic Games II HPER M232	1
Techniques of Minor Athletic Games I HPER M231	1	Military Training	1
Military Training	1	Electives	2
	<u>15</u>		<u>15</u>

JUNIOR YEAR

Recreational Crafts HPER R273	2	Horticulture Bot. B213	3
Office Management I Bus. C300	2	Introduction to Group Work Soc. Serv. S410	2
Youth Service Organization HPER R374	2	Content and Materials in Safety Education HPER S350	2
Leadership in Playgrounds and Community Centers HPER R373	3	Modern Literature and the Arts Comp. Lit. C225	2
Introduction to Dramatic Production Spch. S251	3	or	
*Football and Basketball HPER A183, A184	3	Children's Literature Eng. L390	3
	<u>15</u>	Educational Psychology for Secondary Teachers Ed. P240	3
		*Baseball, and Track and Field HPER A185, A186	3
			<u>15 or 16</u>

SENIOR YEAR

Techniques of Social Recreation HPER R469	2	Student Teaching in Recreation Ed M485	3
Utilization of Audio-Visual Materials Ed. R523	3	Business and Professional Speaking Spch. S223	3
Writing for Publication Jour. J327	3	Recreational Music Mus. U353	2
Student Teaching in Recreation Ed. M485	3	Secondary Education and Guidance Ed. S485	3
Natural Science	5	Electives	5
	<u>16</u>		<u>16</u>

The School of Health, Physical Education, and Recreation requires a minimum of one summer or the equivalent of employment in recreation work.

* Students must elect 3 hours of HPER A183, Football; A184, Basketball; A185, Baseball; and A186, Track and Field.

SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION 29

OPTION VIA

Four-year course leading to the degree B.S. in Physical Education with a major in dance (for Women)

This curriculum is intended to meet the needs of students interested in dance as a creative art, and to prepare teachers for colleges, universities, and high schools, or for teaching private dance classes.

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Elementary Composition I	2	Art Appreciation	2
..... Eng. W101		Elementary Composition II	2
History	3	..... Eng. W102	
Modern Dance	1	Freshman Literature I .. Eng. L101	3
Introduction to Teaching .. Ed. F100	2	Modern Dance I	1
Introduction to Rhythmic Training	1	Badminton and Tennis	1
..... HPER W124		..... HPER W108, W113	
Introductory Psychology I	3	Fundamentals of Acting	3
..... Psy. P101		..... Spch. S144	
Archery and Folk Dance	1	Swimming	1
..... HPER W119, W106		Electives	3
Electives	2		
	<hr/>		<hr/>
	15		16

SOPHOMORE YEAR

Elementary Human Anatomy	5	Elementary Human Physiology	5
..... Anat. A210		..... Physiol. P204	
Elementary Composition III	2	Modern Dance	1
..... Eng. W103		Modern Dance Composition I	2
Educational Psychology for Secondary Teachers	3	..... HPER W211	
or		Government or Sociology	3
Child Development	3	Rhythmic Form and Analysis	2
History and Theory of Dance	2	..... HPER W213	
..... HPER W327		Modern Dance Workshop II	3
Modern Dance Workshop I	3	..... HPER W214	
..... HPER W214			
	<hr/>		<hr/>
	15		16

JUNIOR YEAR

Historical Introduction to Philosophy	3	Appreciation of the Theatre	2
..... Phil. P100		..... Spch. S240	
Modern Dance Accompaniment	2	Adapted Physical Education	3
..... HPER W328		..... HPER P398	
Modern Dance Composition II	2	Dance Production I .. HPER W411	3
..... HPER W212		Technique of Modern Dance	1
General Anthropology I	3	..... HPER W324	
..... Anth. A103		Technique of Individual Sports	1
Golf and Social Dance	1	..... HPER W323	
..... HPER W100		Technique of Folk Dancing	1
Technique of Assisting	1	..... HPER W224	
..... HPER W326		First Aid	2
Bowling	1	..... HPER H160	
..... HPER W100		Electives	2
Electives	3		
	<hr/>		<hr/>
	16		15

SENIOR YEAR

Dance Production II .. HPER W412	3	Methods of Teaching Physical Education: for Women .. Ed. M457	5
Technique of Rhythms for the Elementary School .. HPER W223	1	Student Teaching in the High School .. Ed. M480	8
Organization of Health Education .. HPER H464	2	Secondary Education and Guidance .. Ed. S485	3
General and Individual Hygiene .. Physiol. P304	3		
Electives	6		
	<hr/>		<hr/>
	15		16

OPTION VIB

Four-year course leading to the degree B.S. in Recreation with a major in Boys' Club work*

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Nature and Practice of Play	2	Introductory Psychology II	3
..... HPER R170		..... Psy. P102	
Principles of Sociology .. Soc. S161	3	or	
Introductory Psychology I	3	Child Development	3
..... Psy. P101		Society and the Individual	3
or		..... Soc. S162	
Introduction to Educational Psy-		Elementary Composition II	2
chology	3	..... Eng. W102	
..... Ed. P100		Physical Education Service Courses	
Elementary Composition I	2	for Men	1
..... Eng. W101		Introduction to American	
Introduction to American		Government II	3
Government I	3	..... Gov. G104	
Physical Education Service Courses		Military Training	1
for Men	1	Electives	3
Military Training	1		
	15		16

SOPHOMORE YEAR

The History and Principles of Physi-	3	History of American Social Welfare	3
cal Education .....		..... Soc. Serv. S303	
..... HPER P195		The Psychology of Childhood and	
Freshman Literature I .. Eng. L101	3	Adolescence	3
Public Speaking I Spch. S121	2	..... Psy. P316	
Recreational Crafts .. HPER R273	2	Introduction to Community	
Introduction to Group Work	2	Recreation	2
..... Soc. Serv. S410		..... HPER R274	
Military Training	1	Public Speaking II Spch. S122	2
Electives	3	Military Training	1
	16	Electives	5
			16

JUNIOR YEAR

(Taken at New York University)		Modern Social Welfare Organiza-	
The Organization and Administra-	6	tion	3
tion of a Boys' Club .....		..... Soc. Serv. S304	
Practicum in Boys' Club Work	6	Elementary Human Physiology	5
	12	..... Physiol. P204	
		The Community	3
		..... Soc. S309	
		Youth Service Organization	2
		..... HPER R374	
		Publicity and Public Relations	2
		..... Jour. J427	
		Elective	1
			16

SENIOR YEAR

Principles of Economics I	3	Personnel Management .. Bus. P340	3
..... Econ. E201		Business and Professional Speaking	
Writing for Publication .. Jour. J327	3	..... Spch. S223	3
Introduction to Business	3	Camp Counselors' Training Course	
..... Bus. W100		..... HPER R275	2
First Aid	2	Administration, Organization, and	
..... HPER H160		Supervision of Physical Educa-	
Technique of Swimming	1	tion	3
..... HPER A384		Office Management I ... Bus. C390	2
Leadership in Playgrounds and		Electives	3
Community Centers .. HPER R373	3		
Elective	1		16
	16		

* Offered in co-operation with the Boys' Club of America.

OPTION VIII

Four-year course leading to the degree B.S. in Health and Safety with a major in athletic training (for Men)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Hours		Hours
Techniques of Minor Athletic Games I	HPER M231 1	Introductory Psychology I	Psy. P101 3
History and Principles of Physical Education	HPER P195 3	First Aid	HPER H160 2
Orientation in Athletic Training I	HPER A181 3	Natural Gymnastics and Apparatus Technique II	HPER M132 1
Natural Gymnastics and Apparatus Technique I	HPER M131 1	Recreational Crafts ..	HPER R273 2
Nature and Practice of Play	HPER R176 2	Orientation in Athletic Training II	HPER A182 3
Physical Education Service Courses for Men	HPER M130 1	Physical Education Service Courses for Men	HPER M130 1
Introduction to Teaching..Ed. F100	2	Elementary Composition II	Eng. W102 2
Elementary Composition I	Eng. W101 2	Military Training	1
Military Training	1		15
	16		

SOPHOMORE YEAR

Educational Psychology for Secondary Teachers	Ed. P240 3	Elementary Human Anatomy	Anat. A210 5
Football and Basketball	HPER A183, A184 3	Techniques of Conditioning and Bandaging for the Athletic Trainer II	HPER A282 2
Techniques of Conditioning and Bandaging for the Athletic Trainer I	HPER A281 2	Baseball, and Track and Field	HPER A185, A186 3
Introduction to Community Recreation	HPER R274 2	Rhythmic Techniques..	HPER M249 1
Social Sciences	3	Military Training	1
Military Training	1	Social Sciences	3
Elective	1		15
	16		

JUNIOR YEAR

Kinesiology	HPER P397 3	Adapted Physical Education	HPER P398 3
Instruction in Athletic Training Problems	HPER A333 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		16
Organization of Health Education.	HPER H464 2		
	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	Secondary Education and Guidance.	Ed. S485 3
The Teaching of Health and Safety	Ed. M358 2	Public Speaking I	Spch. S121 2
History and Humanities	3	Physical Activity Conduct Technique	HPER M440 1
	16	History and Humanities	3
			15

UNDERGRADUATE COURSES, 1962-63

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.)

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; offense and defense psychology and strategy; the basketball season, tournament play, and coaching hints.

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 training and conditioning for running, jumping, vaulting, shot-putting, and hurdling; coaching strategy; organization and management of track and field events.

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

A381-A382. Laboratory Practice in Athletic Training I-II. (5-5 cr.)

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

A384. Technique of Swimming. (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 or 2 cr.)

A study of the fundamentals, including working off the feet, leg drops, wrestling from referee's position on the mat, and primarily striving for falls. Also an attempt to teach co-ordination and counter maneuvers is emphasized throughout, along with placing a premium on speed, skill, and leverage.

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

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.

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.

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. Physical Education Service Courses for Men. (1 cr. each semester.)

Two semesters required of men in the Junior Division. The emphasis is on individual sports with proper consideration for physical handicaps.

M131-M132. Natural Gymnastics and Apparatus Technique I-II. (1-1 cr.)

Tumbling, simple stunts, stunts on the apparatus (high and low horizontal bar, side and long horse, still and flying rings, trampoline and parallel bars), marching tactics, calisthenic drill, self-testing activities in track and field, and group games. Methods of class organization, teaching techniques, safety precautions, and group control are stressed.

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.

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

*M141-M142. Freshman Major Activity Program I-II. (2-2 cr.)

M231-M232. Techniques of Minor Athletic Games I-II. (1-1 cr.)

How to play and teach certain activities in the area of sports not included in other courses in the curriculum, such as archery, badminton, bowling, golf, handball, and tennis.

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 to 2 cr.)

Instruction and participation in various sports and activities, such as archery, badminton, bowling, golf, handball, swimming, and tennis.

M440. Physical Activity Conduct Technique. Inside activities. Outside activities. (1 cr.)

Teaching experience on the college level with as varied a program of activities as the student schedule permits. The professional and required class as well as the intramural program furnish experiences in officiating and teaching activities according to season.

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

The philosophy and methodology of organizing the physical education aspect of a complete school health and physical education program are discussed from the viewpoint of the teacher as a member of a modern profession.

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.

P397. Kinesiology. (3 cr.)

Prerequisite, Anatomy A210. An anatomical and mechanical analysis of posture, physical education skills, and everyday activities, for the purpose of understanding and recognizing normal and faulty movement.

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.

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

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

R170. Nature and Practice of Play. (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.

R273. Recreational 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.

R373. Leadership in Playgrounds and Community Centers. (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.

R469. Techniques of Social Recreation. (2 cr.)

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

R470. Supplementary Field Experience in Recreation. (Credit arranged.)

This course corresponds to a student teaching course. The student acquires experience in recreational leadership by working in the local recreation program.

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.

***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. Physical Education Service Courses 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. (½ cr.)

W105. Social Dancing. (½ cr.)

W106. Folk Dancing. (½ cr. each semester.)

W107. Speedball. (½ cr.)

W108. Badminton. (½ cr.)

W109. Bowling. (½ cr.)

W113. Tennis. (½ cr.)

W114. Golf. (½ cr.)

W115. Basketball. (½ cr.)

W117. Stunts and Tumbling. (½ cr.)

W118. Softball. (½ cr.)

W119. Archery. (½ cr.)

Activity classes for professional students.

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.

W211-W212. Modern Dance Composition I-II. (1-1 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.

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

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

Practical co-ordination 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.

W223. Technique of Rhythms for the Elementary School. (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. Technique of Folk Dancing. (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.

W323. Techniques 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. Technique of Modern Dancing. (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. Technique of Team Sports. (1 cr.)

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

W326. Technique of Assisting. (1 cr. each semester.)

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

W327. Theory of the Dance. (2 cr.)

A study of the history, principles, theory, and philosophy underlying dance from primitive times to present. Emphasis is placed upon theory and trends with special emphasis on the place of modern dance in a progressive program of physical education.

W328. Modern Dance Accompaniment. (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.

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.

*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. (5 cr.)**Education M457. Methods of Teaching Physical Education: For Women. (5 cr.)****Education M458. Methods of Teaching Health and Safety. (5 cr.)****Education M480. Student Teaching in the High School. (5 to 8 cr.)**

Additional fee: \$7 for each credit hour.

Reserve Officers' Training Corps (R.O.T.C.)

MILITARY SCIENCE AND AIR SCIENCE

The Army and the Air Force Reserve Officers' Training Corps are units of a separate department 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 United States military policies and requirements.

2. Basic Courses.

(a) The two-year basic R.O.T.C. course is a requirement during the freshman and sophomore years for all physically fit male students who are citizens of the United States and have not reached their twenty-third birthday at matriculation. Transfer students with at least twenty-six but less than fifty-six acceptable credit hours are required to complete one year of basic R.O.T.C. at Indiana University. Veterans who have completed one year of active service with the Armed Forces may be exempted from the two-year basic course. Those who have completed six months, but less than one year, of active service may be exempted from one year of the basic course.

(b) Students who have completed three years of high school R.O.T.C. are exempted from the first year of basic Army 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) The University reserves 4:30 to 5:20 p.m. 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 Science or the Professor of 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 Science or the Professor of 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 leads 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—Kisters Field. 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	Corps of Engineers	Military Police Corps
Armor	Finance Corps	Ordnance Corps
Army Security	Infantry	Quartermaster Corps
Artillery	Medical Service Corps	Signal Corps
Chemical Corps	Military Intelligence	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 U.S. 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
- Observer trainee
- Weather officer trainee
- Administrative trainees in personnel, comptroller, and procurement fields
- Technical trainees in maintenance, electronics, and communications fields

MILITARY SCIENCE

Professor MUELLER (Colonel); Assistant Professors HAINES (Lieutenant Colonel), HRYSENKO (Major), MANIFOLD (Lieutenant Colonel), TUTHILL (Major); Instructors BEDELL (Captain), DUGHI (Captain), LEACH (Captain), O'NEAL (Captain), RICE (Captain), SMITH (Captain), VELA (Captain).

Army First-Year Basic Course

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

Presents organization, roles, and missions of the United States Army and R.O.T.C. Also includes individual weapons, marksmanship, and leadership laboratory.

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

Includes a consideration of the Army's relationship to other defense agencies and problems of national security, in addition to leadership laboratory.

Army Second-Year Basic Course

- G201. First-Semester Military Science II. (1 cr.)
Includes map reading, roles of the Armed Forces, and leadership laboratory.
- G202. Second-Semester Military Science II. (1 cr.)
Includes introduction to military operations, basic tactics, and leadership laboratory.

Army First-Year Advanced Course

- G301. First-Semester Advanced Military Science III. (3 cr.)
Subjects covered are leadership, military teaching methods, and arms and services of the Army.
- G302. Second-Semester Advanced Military Science III. (3 cr.)
Subjects covered are communications and small unit tactics.

Army Second-Year Advanced Course

- G401. First-Semester Advanced Military Science IV. (3 cr.)
Subjects covered are combined arms and military teams, Army administration, training management, and logistics.
- G402. Second-Semester Advanced Military Science IV. (3 cr.)
Subjects covered are military law, combat orders, military intelligence, command and staff, foundations of national power, and role of the United States in world affairs and the present world situation.

AIR SCIENCE

Professor MASTERS (Colonel); Assistant Professors BERRY (Major), BETTERTON (Major), REEL (Major), SUBLETTE (Major); Instructor PINORIS (Captain).

Air Force First-Year Basic Course

- A101. First-Semester Air Science I. (1 cr.)
Leadership, drill, and command.
- A102. Second-Semester Air Science I. (1 cr.)
A general survey of the foundations of air power to include military instruments of national security, elements and potentialities of air power, evolution of aerial warfare, and air vehicles and principles of flight. Leadership, drill, and command.

Air Force Second-Year Basic Course

- A201. First-Semester Air Science II. (1 cr.)
A general survey of the foundations of air power to include roots and development of aerial warfare, emphasizing the principles of war, concepts of employment of forces, and space operations. Leadership, drill, and command.
- A202. Second-Semester Air Science II. (1 cr.)
Leadership, drill, and command.

*Air Force First-Year Advanced Course***A301. First-Semester Advanced Air Science III. (3 cr.)**

Knowledge and skills required of a junior officer in the Air Force. Includes staff organization and functions, communicating, instructing, and techniques of problem solving.

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

Principles and practices of leadership. Includes basic psychology of leadership, the military justice system, and application of problem-solving techniques and leadership theory to simulated and real Air Force problems.

*Air Force Second-Year Advanced Course***A401. First-Semester Advanced Air Science IV. (3 cr.)**

A study of basic weather and basic navigation designed to introduce the subjects to future airmen. Geography G313, Political Geography, is required of all students who complete A401.

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

Emphasis given to transition into commissioned service and responsibilities of an officer. Government G213, Introduction to World Politics, is required of all students who complete A402.

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.

Unconditional admission may be granted to those with an approved major 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).

Those unable to meet the requirements for full graduate standing may be granted conditional admission. 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 selected aptitude examinations for guidance purposes 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 Center, 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 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

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

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 Done at University Extension Centers. A student at a University Extension Center 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 University Extension Centers 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 co-operatively 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 44.

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 Sci-

ence 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.

Honors Degree Candidates. 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 Board of 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 A583	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 T593	2 cr.				

Two credits selected from:

HPER H517 3 cr.
 HPER H610 3 cr.
 HPER S655 2 cr.
 HPER T591 3 cr.

Five credits selected from:

HPER R573 2 cr.
 HPER R579 2 cr.
 HPER R667 Ar.
 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 A588 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 T690 3 cr.	

HEALTH CO-ORDINATOR

Increased attention is being given to the place of the health co-ordinator in the school program.

To meet the need for persons specifically qualified as health co-ordinators, 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 co-ordinator.

Health Co-ordinator 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 6 cr.
HPER H517 3 cr.		

DIRECTOR'S DEGREE

Purpose of Degree. The director's degree has been authorized by the Board of 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 co-operatively 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 44.

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 field problem.

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 T690, Field Problems. 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

Field Problem. All candidates for the director's degree are required to complete a field problem pertinent to the major area.

A satisfactory field problem 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 field problem. 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 field study, 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 abstractions involved in scholastic aptitude. 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 consecutive semesters must be spent in residence on the Bloomington campus.

Transfer of Credit. Not more than forty-five semester hours of credit from other approved institutions may be accepted toward the hours of credit required for the degree.

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 research. A minor in measurement and research 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
	<hr/>		<hr/>
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 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. 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).

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 and 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, 1962-63

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 Development of the School Health Program. (3 cr.)

A course for teachers and school administrators who desire an understanding of a well-balanced health program in the school.

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 co-operate 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 public health organizational structure, including international agencies, official and nonofficial public health agencies, professional associations, and commercial and industrial foundations and associations. Concerned primarily with how the various health agencies function to meet public health needs in a democracy.

H610. Co-ordinating the Health Program in the School and Community. (3 cr.)

Stresses the functions of health co-ordinators in relation to: co-ordination 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 co-ordination of planning of health instruction.

H617. Seminar in Health. (Credit arranged.)

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. (Credit arranged.)

*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.

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.

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.

* For men only.

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.

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.** (Credit arranged.)

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

P740. **Research in Physical Education.** (Credit arranged.)

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 co-operation with University elementary school teachers, of six afternoons of day camping.

R667. Seminar in Recreation. (Credit arranged.)

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. (Credit arranged.)

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. (2 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.

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.

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

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. (Credit arranged.)

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.

T790. Thesis in Health, Physical Education, or Recreation. (Credit arranged.)

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 on July 19, 1962

