

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

John Edgar Wright



School
of
Health, Physical Education, and Recreation

(Organized in 1946)

Announcements, 1949

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

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Vol. XLVII, No. 4 Bloomington, Indiana January, 1949

Faculty Changes

Promotions: Karl W. Bookwalter, Director of the Bureau of Service and Research, and Professor of Physical Education for Men; Paul J. Harrell, Director of Athletics, and Associate Professor of Physical Education for Men; Gordon R. Fisher, Assistant Professor of Physical Education for Men, and Track Coach; Otto E. Ryser, Instructor in Physical Education for Men, and Gymnastics Coach; John R. Endwright, Instructor in Physical Education for Men, and Administrative Assistant to the Dean; Nelda M. Johnson, Instructor in Physical Education for Women, and Physiotherapist in the Student Health Service.

Resignations: Alvin N. McMillin; Mrs. Eloise C. Ridder; Carmel A. Temerario; Thomas M. Deckard; Don A. Veller; Louis S. Zarza.

Appointments: Clyde B. Smith, M.S. in Ed., Associate Professor of Physical Education for Men, and Head Football Coach; William F. Eick, A.M., Assistant Professor of Physical Education for Men; Otis D. Edmonds, M.S. in Ed., Instructor in Physical Education for Men, and End and Wingback Coach; James A. Freeman, M.S. in Ed., Instructor in Physical Education for Men, and Head Line Coach; William G. Moss, M.S. in Ed., Instructor in Physical Education for Men, and Assistant Coach; Edward G. Whereatt, B.Ed., Instructor in Physical Education for Men, and Head Freshman Coach; Ernest H. Andres, Jr., Instructor in Physical Education for Men, Head Baseball Coach, and Assistant Basketball Coach; Paul C. Chappelle, M.S. in P.Ed., Instructor in Health, Physical Education, and Recreation (N.C.A.G.U.).

Calendar, 1948-49

First Semester: September 14, Wednesday, 8 a.m., and September 15, Thursday, 9 a.m., required meetings of all students who have never attended Indiana University at Bloomington, and beginning of their orientation program and registration; September 15, 16, Thursday, Friday, former students register; September 17-20, Saturday-Tuesday, enrollment of all students according to class standing; September 21, Wednesday, 7:30 a.m., classes begin; January 31, Tuesday, first semester ends.

Second Semester: February 7, Tuesday, 8 a.m., required meeting of all students who have never attended Indiana University at Bloomington, and beginning of new student orientation program and new student registration; February 7, 8, Tuesday, Wednesday, former students register and plan programs; February 9-11, Thursday-Saturday, enrollment of all students according to class standing; February 13, Monday, 7:30 a.m., classes begin; June 5, Monday, second semester ends.

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Calendar, 1948-49

Summer Session, 1948

June 15Tuesday, 1 p.m.Required meeting of all students who have never attended Indiana University at Bloomington. Beginning of new student orientation program and new student registration.
June 16WednesdayRegistration of all students.
June 17ThursdayEnrollment of all students.
June 18FridayClasses begin.
June 19SaturdayThursday classes meet.
July 5MondayIndependence Day holiday.
July 10SaturdayMonday classes meet.
August 13FridaySummer Session ends.

First Semester

September 15Wednesday, 8 a.m.... Required meeting of all students who have never attended Indiana University at Bloomington. Beginning of new student orientation program and new student registration.
September 16, 17 ..Thursday, Friday.... Former students register.
September 18-21 ...Saturday-Tuesday... Enrollment of all students according to class standing.
September 22Wednesday, 7:30 a.m.... Classes begin.
November 23Tuesday, 5:20 p.m.... Thanksgiving recess begins.
November 29Monday, 7:30 a.m.... Thanksgiving recess ends.
December 17Friday, 5:20 p.m.... Holiday recess begins.
January 4Tuesday, 7:30 a.m.... Holiday recess ends.
January 24MondayFinal examinations begin.
February 1TuesdayFirst semester ends.

Second Semester

February 8Tuesday, 8 a.m.... Required meeting of all students who have never attended Indiana University at Bloomington. Beginning of new student orientation program and new student registration.
February 8, 9 ...Tuesday, Wednesday.. Former students register and plan programs.
February 10-12 ...Thursday-Saturday... Enrollment of students according to class standing.
February 14Monday, 7:30 a.m.... Classes begin.
April 13Wednesday, 5:20 p.m. Spring recess begins.
April 20Wednesday, 7:30 a.m. Spring recess ends.
May 30Monday Memorial Day holiday.
May 31Tuesday Final examinations begin.
June 1Wednesday Last day for filing Senior grades.
June 8Wednesday Second semester ends.
June 12Sunday Commencement Day.

Summer Session, 1949

June 14Tuesday, 1 p.m.Required meeting of all students who have never attended Indiana University at Bloomington. Beginning of new student orientation program and new student registration.
June 15WednesdayRegistration of all students.
June 16ThursdayEnrollment of all students.
June 17FridayClasses begin.
June 18SaturdayThursday classes meet.
July 4MondayIndependence Day holiday.
July 9SaturdayMonday classes meet.
August 12FridaySummer Session ends.

Faculty of the School of Health, Physical Education, and Recreation, 1947-48

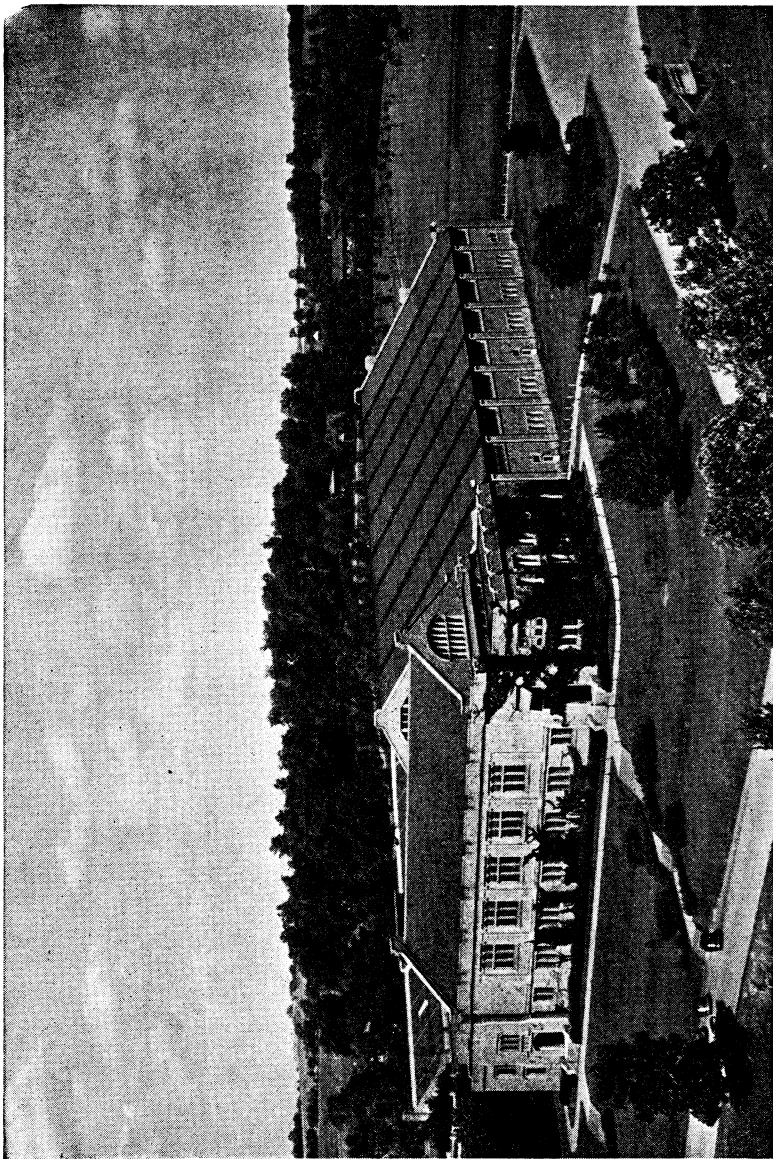
- HERMAN B WELLS, A.M., LL.D., President of the University.
WILLIAM LOWE BRYAN, Ph.D., LL.D., L.H.D., President Emeritus of the University.
- HERMAN THOMPSON BRISCOE, Ph.D., Vice-President, and Dean of the Faculties.
JOSEPH AMOS FRANKLIN, B.S., Treasurer.
THOMAS AUBREY COOKSON, Registrar, and Secretary of the Board of Trustees.
WILLARD WALTER PATTY, Ph.D., Dean of the School of Health, Physical Education, and Recreation, and Professor of Health and Safety.
ZORA GOODWIN CLEVINGER, Professor Emeritus of Physical Education for Men.
-
- WILLARD WALTER PATTY, Dean of the School of Health, Physical Education, and Recreation, and Professor of Health and Safety.
A.B., Iowa State Teachers College, 1914; A.M., University of California, 1920; Ph.D., 1925.
- ALVIN NUGENT McMILLIN, Athletics Director, Professor of Physical Education for Men (resigned March 1, 1948), and Head Football Coach (resigned April 1, 1948).
A.B., Centre College of Kentucky, 1937.
- EDNA FRANCES MUNRO, Director of the Department of Physical Education for Women, and Associate Professor of Physical Education for Women (on leave of absence, second semester, 1947-48).
A.B., Oberlin College, 1914; A.M., Columbia University, 1922.
- GARRETT G. EPPLEY, Acting Chairman (Recreation), Associate Professor of Recreational Education, and Consultant in Recreation for State Parks, Cities, and Schools.
A.B., Manchester College, 1919; A.M., University of Chicago, 1947.
- KARL WEBBER BOOKWALTER, Director of the Bureau of Service and Research, and Associate 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.
- GEORGE EZRA SCHLAFER, Assistant Professor of Recreation.
Ph.B., North Central College, 1906; A.M., Indiana University, 1928.
- JANE FOX, Assistant Professor of Physical Education for Women.
B.S., Columbia University, 1927; M.S. in Ed., Indiana University, 1934.
- HELEN LYDIA YEAKEL, Assistant Professor of Physical Education for Women.
B.S., Denison University, 1924; Certificate in Hygiene and Physical Education, Wellesley College, 1926; M.S. in Ed., Indiana University, 1934.
- MARJORIE PORTER PHILLIPS, Assistant Professor of Physical Education for Women.
B.S., Boston University, 1931; M.S., Wellesley College, 1935; Ph.D., University of Wisconsin, 1945.
- PAUL JOHN HARRELL, Assistant Professor of Physical Education for Men; Baseball Coach (to March 1, 1948); Athletics Director (beginning March 3, 1948).
B.S., Indiana University, 1931; M.S. in Ed., 1937.
- MARKHAM CHURR WAKEFIELD, Chairman, and Assistant Professor of Physical Education for Men.
A.B., Indiana University, 1920; A.M., Columbia University, 1932; Ed.D., Indiana University, 1944.

- REYNOLD EDGAR CARLSON, Assistant Professor of Recreation.
A.B., University of California, 1925; A.M., 1936.
- ARTHUR THOMAS SLATER-HAMMEL, Assistant Professor of Physical Education for Men.
A.B., Oberlin College, 1938; A.M., 1939; Ph.D., State University of Iowa, 1947.
- EMMETT BRANCH MCCrackEN, Assistant Professor of Physical Education for Men, and Basketball Coach.
B.S., Indiana University, 1930; M.S. in Ed., 1935.
- (Mrs.) ELOISE CHUMLEY RIDDER, Instructor in Physical Education for Women (on leave of absence, 1947-48).
A.B., MacMurray College for Women, 1936; M.S., University of Wisconsin, 1941.
- CARMEL ARTHUR TEMERARIO, Instructor in Physical Education for Men, and Assistant Football Coach (resigned June 30, 1948).
B.S. in Ed., Geneva College, 1931; M.S. in Ed., Indiana University, 1938.
- NAOMI LAURA LEYHE, Instructor in Physical Education for Women.
B.S., University of Illinois, 1935; M.S., Wellesley College, 1938.
- GORDON R. FISHER, Instructor in Physical Education for Men, and Track Coach.
B.S., University of Minnesota, 1926; A.M., New York University, 1932.
- CLUM C. BUCHER, Instructor in Physical Education for Men.
A.B., Indiana University, 1929; M.S. in Ed., 1933.
- ROBERT ARCHIE ROYER, Instructor in Physical Education for Men, and Swimming Coach.
A.B., Indiana University, 1928.
- C. WESLEY DANE, Acting Chairman, and Instructor in Health and Safety.
B.S., Springfield College, 1928; M.Ed., 1941; Director of Health and Safety, Indiana University, 1947.
- OTTO ELMER RYSER, Instructor in Physical Education for Men.
B.S., Indiana University, 1941; M.S. in Ed., 1946.
- DOROTHY DEAN SUMMERS, Instructor in Physical Education for Women.
A.B., Indiana University, 1944; M.S. in Ed., University of Wisconsin, 1946.
- CHARLES ELMER MCDANIEL, Instructor in Physical Education for Men, Wrestling Coach, and Assistant Football Coach.
B.S., Indiana University, 1938.
- JOAN WICHMAN, Instructor in Physical Education for Women.
A.B., Oberlin College, 1941.
- MALCOLM JOHN MCLELLAND, Instructor in Health and Safety, and Administrative Assistant to the Dean.
B.S., Iowa State Teachers College, 1937; M.S. in Ed., Indiana University, 1941; Director of Health and Safety, 1947.
- OWEN LOVEJOY COCHRANE, JR., Instructor in Physical Education for Men, and Assistant Football Coach.
B.S., Kansas State College, 1930.
- CHARLENE ANN COADY, Instructor in Physical Education for Women.
B.S., University of Illinois, 1940.
- THOMAS MARSHALL DECKARD, Instructor in Physical Education for Men, and Assistant Track Coach (resigned December 31, 1947).
B.S., Indiana University, 1939; M.S. in Ed., 1940.
- DON ARLD VELLER, Instructor in Physical Education for Men, and Assistant Football Coach.
B.S., Indiana University, 1935; M.S. in Ed., 1938; Director of Physical Education, 1947.

- JOHN ROBERT ENDWRIGHT, Instructor in Physical Education for Men.
B.S., Indiana University, 1946; M.S. in Ed., 1947.
- NELDA MAUDE JOHNSON, Instructor in Physical Education for Women.
B.S., Indiana University, 1941; A.M., Columbia University, 1947.
- LAWRENCE J. MCCREARY, JR., Instructor in Physical Education for Men, and Assistant Basketball Coach.
B.S., Indiana University, 1946.
- LOUIS S. ZARZA, Instructor in Physical Education for Men, and Assistant Football Coach (second semester, 1947-48; resigned March 15, 1948).
A.B., Michigan State College, 1936.
- JEROME THOMAS FEMAL, Part-time Instructor in Recreation.
B.S., University of Wisconsin, 1935; M.S., 1942.

STAFF OF THE NORMAL COLLEGE, INDIANAPOLIS

- (MRS.) CLARA LEDIG HESTER, Director of the Normal College of the American Gymnastic Union of Indiana University, Assistant Professor of Physical Education, and Dean of Women.
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.
- DESMOND MURPHY, Lecturer in English in the Division of Adult Education.
A.B., University of Wyoming, 1937; A.M., University of Colorado, 1939.
- CARL BROSIUS SPUTH, JR., Part-time Lecturer in First Aid (first semester, 1947-48).
B.S., Indiana University, 1938; M.D., 1941.
- WILLIAM JAMES CALVY, Part-time Lecturer in Anatomy (second semester, 1947-48).
A.B., University of Wisconsin, 1936; M.D., 1939.
- EMIL RINSCH, Instructor in Education and Social Sciences, and Librarian.
A.B., Indiana University, 1923; A.M., 1927.
- FREDERICK OSCAR MARTIN, Instructor in Physical Education, and Dean of Men.
B.S., Butler University, 1942.
- (MRS.) MARGARET LEMASTERS ZIPERMAN, Instructor in English in the Division of Adult Education.
A.B., American University, 1937; A.M., Indiana University, 1939.
- GEORGE WILLIAM LIPPS, Part-time Instructor in Physical Education (October 1, 1947, to May 31, 1948).
- (MRS.) LOLA LENNOX LOHSE, Part-time Instructor in Physical Education (October 1, 1947, to May 31, 1948).
B.S., Indiana University, 1939.
- (MRS.) CONSTANCE APOSTOL ZIMLICH, Part-time Instructor in Physical Education (October 1, 1947, to May 31, 1948).
B.S., Indiana University, 1934.
- RICHARD JENS MCALPINE, Part-time Instructor in Anatomy (second semester, 1947-48).
A.B., Indiana University, 1946.



The Men's Gymnasium and Fieldhouse are the center of indoor activities; nearby are the Stadium and various playing fields.

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.

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 four fields—Physical Education, Health and Safety, Recreation, Public Health.* (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) Director 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) Doctor for those successfully completing the preliminary examination, the prescribed work of the major and two minors, an acceptable doctoral thesis, and 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 wholesome 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. Training athletes and athletic coaches.†
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. Cooperating with the Department of Public Health of the School of Medicine in training sanitarians and public health educators for public health work.

* Sponsored jointly with the Department of Public Health of the School of Medicine.

† The staff of the Department of Athletics belongs to 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 Nine) Conference regulations.

8. 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.
9. Training research workers in health, safety, athletics, physical education, public health, and recreation areas of investigation.
10. Carrying on research concerning the problems associated with the various phases of the program of the School.
11. Conducting such special activities as health workshops, recreation institutes, safety conferences, physical education demonstrations and seminars, and athletic coaching clinics.
12. 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 Schools and Colleges. Indiana University is also a member of the Association of American Universities.

Graduates who complete teacher training curricula are eligible for licenses by the Indiana State Board of Education.

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

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

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

Conferences. The School of Health, Physical Education, and Recreation staff sponsors institutes dealing with various phases of recreation and a School and Community Health Workshop. The School plans provide for conferences, workshops, short-course seminars, and coaching schools annually in its program.

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 who rank in the upper half of their graduating class 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 admission will be certified. Graduates of accredited high schools in other states are eligible for admission if they rank in the highest third of their graduating class. The number of nonresidents that can be admitted to the Junior Division on the Bloomington campus is limited, season by season, to conform to the available facilities of the University. It is wise for nonresidents interested in admission to ask the Admissions Office about these limitations.

Transcripts of high school credits should be sent to the Assistant Registrar in charge of Admissions at least one month before the opening date of the session. 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 or more years' work 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 Assistant Registrar in charge of 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 other institutions.

The School of Health, Physical Education, and Recreation will accept students from the Junior Division who have completed twenty-five semester hours of passing work. Those students who plan to enter the School of Health, Physical Education, and Recreation should, at the time they enter the Junior Division, consult with the officially designated Junior Division Faculty counselor from the School of Health, Physical Education, and Recreation as to the courses they should take during the Freshman year and have their choices of courses approved by such Faculty counselor.

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. A student who transfers from another educational institution and desires admission with advanced standing must also present to the Dean of the School of Health, Physical Education, and Recreation a transcript showing the time spent and the credits and grades secured in all subjects taken in each institution. In completing the work for the B.S. degree, such 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 fifteen 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 and placed upon the permanent record of the student transferring until he has demonstrated that he can do satisfactory work at Indiana University.

UNDERGRADUATE DEGREES

Students expecting to qualify for the Bachelor's degree are required to follow a pattern of work in harmony with their objectives. They should consult the Bulletin of the School of Health, Physical Education, and Recreation 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 two 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.

At least thirty-five hours of work offered for graduation must be in courses which are open only to students who have completed at least sixty hours of work entitling them to admission to the Junior class.

Students in residence and carrying regular work in the School of Health, Physical Education, and Recreation may enroll 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 Adult Education. 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 enrollment. 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 off-campus work before it is taken.

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.

OPTION IA

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

This license 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> | | Hours | <i>Second Semester</i> | | Hours |
|---|----------------|-------|---------------------------------|----------------|-------|
| Rhythmic Analysis | HPER 144 | 1 | Modern Dance | HPER 103M | 1 |
| Speedball and Volleyball | HPER 107M-101M | 1 | Tap Dancing and Tennis | HPER 127M-111M | 1 |
| Nature and Practice of Play | HPER 108 | 2 | Basketball and Softball | HPER 115M-118M | 1 |
| First Aid | HPER 190 | 2 | Camp Counselors' Training | HPER 145 | 2 |
| History or Sociology | (Choice) | 3 | Human Anatomy | Anat. 114 | 5 |
| Introduction to Teaching | Ed. 101 | 2 | English Literature | Eng. 102a | 3 |
| Elementary Composition | Eng. 101a | 2 | Elementary Composition | Eng. 101b | 2 |
| Introductory Psychology | Psy. 101a | 2 | | | — |
| or | | | | | 15 |
| Elementary Educational Psychology | Ed. 111a | 3 | | | — |
| | | 16 | | | — |

SOPHOMORE YEAR

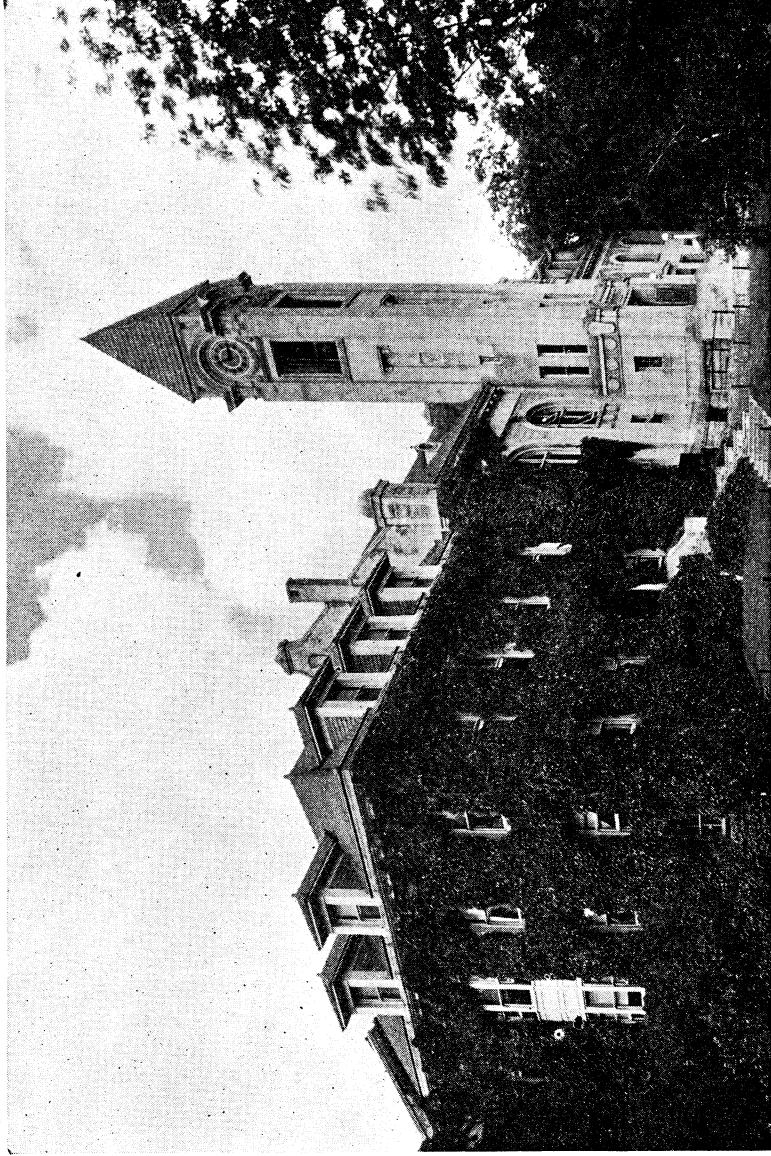
| | | | | | |
|--|----------------|----|--|------------------------|----|
| Techniques of Stunts, Tumbling, and Gymnastics | HPER 140 | 2 | Technique of Folk Dancing | HPER 240 | 1 |
| Hockey | HPER 116M | 1 | Swimming | HPER 110M | 1 |
| Archery and Folk Dancing | HPER 119M-126M | 1 | Technique of Games and Rhythms for the Elementary School | HPER 241-243 | 1 |
| General Physiology | Physiol. 103a | 5 | Crafts and Design | F.A. 162a | 2 |
| Kinesiology | HPER 207 | 3 | General Physiology | Physiol. 103b | 5 |
| Advanced Educational Psychology | Ed. 211 | 3 | Nutrition | H.Econ.106 | 2 |
| | | 15 | The Field of Philosophy | Phil.100a or Fine Arts | 3 |
| | | — | | | 15 |

JUNIOR YEAR

| | | | | | |
|--|-------------------|----|--|---|---------------|
| Theory of the Dance | HPER 226 | 2 | History and Principles of Physical Education | HPER 205 | 3 |
| Technique of Team Sports | HPER 235 | 2 | Physical Examinations and Corrective Exercises | HPER 229 | 3 |
| Technique of Advanced Tennis | HPER 245 | 1 | Techniques of Archery and Golf | HPER 238 | 1 |
| Golf (and some other recommended activity) | HPER 112 | 1 | or | | |
| Organization of Community Recreation | HPER 221 | 2 | Technique of Swimming | HPER 244 | 1 |
| General and Individual Hygiene | Physiol. Hyg. 102 | 3 | Group and Intergroup Hygiene | Physiol. Hyg. 203 | 3 |
| Physiology of Exercise | Physiol. 207 | 3 | Principles of Instruction in the High School | Ed. 321 (and Teaching of High School Physical Education | Ed. 322P.Ed.) |
| Elective | | 1 | Physical Education Activity | | 1 |
| | | 15 | | | 16 |

SENIOR YEAR

| | | | | | |
|--|--------------|----|---|--------------|----|
| Organization and Administration of Physical Education .. | HPER 222 | 2 | Organization of Health Education | HPER 441 | 2 |
| Tests and Measurements in Physical Education | HPER 443 | 3 | Content Materials in Safety Education | HPER 450 | 2 |
| Technique of Assisting .. | HPER 236 | 1 | Technique of Assisting .. | HPER 236 | 1 |
| Student Teaching of Elementary School Physical Education | Ed. 226P.Ed. | 3 | Technique of Modern Dancing | HPER 242 | 1 |
| Teaching of High School Health and Safety | Ed. 322H.S. | 2 | Student Teaching in High School Physical Education .. | Ed. 426P.Ed. | 3 |
| Physical Education Activity | | 1 | Secondary Education and Guidance | Ed. 401 | 3 |
| Electives | | 3 | Physical Education Activity | | 1 |
| | | 15 | Electives | | 2 |
| | | — | | | 15 |



The Student Building is the center for skill training for advanced women majors in physical education.

OPTION IIIA

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

This license is good for teaching and supervising Health and Physical Education in any high school (Junior or Senior) and in any elementary school.

FRESHMAN YEAR

| <i>First Semester</i> | | <i>Hours</i> | <i>Second Semester</i> | | <i>Hours</i> |
|---|----------------|--------------|-------------------------------|----------------|--------------|
| First Aid | HPER 190 | 2 | Human Anatomy | Anat. 114 | 5 |
| Introductory Psychology | Psy. 101a | | Camp Counselors' Training | HPER 145 | 2 |
| or | | | Crafts and Design | F.A. 162a | 2 |
| Elementary Educational Psychology | Ed. 111a | 3 | Basketball and Softball | HPER 115M-118M | 1 |
| History or Sociology | (Choice) | 3 | Tap Dancing and Tennis | HPER 127M-111M | 1 |
| Nature and Practice of Play | HPER 108 | 2 | English Literature | Eng. 102a | 3 |
| Rhythmic Analysis | HPER 144 | 1 | Elementary Composition .. | Eng. 101b | 2 |
| Speedball and Volleyball | HPER 107M-101M | 1 | | | — |
| Introduction to Teaching .. | Ed. 101 | 2 | | | 16 |
| Elementary Composition .. | Eng. 101a | 2 | | | — |
| | | — | | | 16 |

SOPHOMORE YEAR

| | | | | | |
|--|----------------|----|---|---------------|----|
| General Physiology | Physiol. 103a | 5 | General Physiology | Physiol. 103b | 5 |
| Kinesiology | HPER 207 | 3 | Physical Examinations and Corrective Exercises | HPER 229 | 3 |
| Advanced Educational Psychology | Ed. 211 | 3 | Nutrition | H.Econ. 106 | 2 |
| Techniques of Stunts, Tumbling, and Gymnastics | HPER 140 | 2 | Organization of Community Recreation | HPER 221 | 2 |
| Archery and Folk Dancing | HPER 119M-126M | 1 | Technique of Games and Rhythms for the Elementary Schools | HPER 241-243 | 1 |
| Hockey | HPER 116M | 1 | Technique of Folk Dancing | HPER 240 | 1 |
| | | — | Swimming | HPER 110M | 1 |
| | | 15 | | | — |
| | | | | | 15 |

JUNIOR YEAR

| | | | | | |
|--------------------------------------|-------------------|----|--|-------------------|----|
| General and Individual Hygiene | Physiol. Hyg. 102 | 3 | Group and Intergroup Hygiene | Physiol. Hyg. 203 | 3 |
| Physiology of Exercise ... | Physiol. 207 | 3 | History and Principles of Physical Education | HPER 205 | 3 |
| Child Care and Development | H.Econ. 218 | 3 | Principles of Instruction in the High School | Ed. 321 | |
| Field of Philosophy | Phil. 100a | 3 | (and Teaching of High School Health and Safety | Ed. 322H.S.) | 5 |
| Technique of Team Sports | HPER 235 | 2 | Techniques of Archery and Golf | HPER 238 | |
| Technique of Advanced Tennis | HPER 245 | 1 | or | | |
| | | — | Technique of Swimming .. | HPER 244 | 1 |
| | | 15 | Electives | | 3 |
| | | | | | — |
| | | | | | 15 |

SENIOR YEAR

| | | | | | |
|--|----------|----|---|-------------|----|
| Organization and Administration of Physical Education | HPER 222 | 2 | Mental Hygiene | Psy. 234 | 3 |
| Tests and Measurements in Physical Education | HPER 443 | 3 | Organization of Health Education | HPER 441 | 2 |
| Secondary Education and Guidance | Ed. 401 | 3 | Content Materials in Safety Education | HPER 450 | 2 |
| Student Teaching in the Elementary Schools | | 3 | Student Teaching in High School Health and Safety | Ed. 426H.S. | 3 |
| Technique of Assisting .. | HPER 236 | 1 | Technique of Assisting .. | HPER 236 | 1 |
| Theory of the Dance | HPER 226 | 2 | Electives | | 4 |
| Electives | | 2 | | | — |
| | | — | | | 15 |
| | | 16 | | | |

The School of Health, Physical Education, and Recreation offers a Special Area in Health Education for Men and Comprehensive Areas in Health Education for Men and Women.

OPTION IIB

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

FRESHMAN YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|-------------------------------------|-----------|-------------------------------------|-----------|
| | Hours | | Hours |
| Techniques of Minor Athletic Games | 1 | Natural Gymnastics and Apparatus | |
| HPER 136a | | Technique HPER 138b | 1 |
| History and Principles of Physical | | Crafts and Design F.A. 162a | 2 |
| Education HPER 205 | 3 | *Baseball, Track and Field | |
| *Football and Basketball | | HPER 232, 233 | 3 |
| HPER 230, 231 | 3 | First Aid HPER 190 | 2 |
| Natural Gymnastics and Apparatus | | Freshman Major Activity Program | |
| Technique HPER 138a | 1 | HPER 199b | 1 |
| Nature and Practice of Play | | Elementary Educational Psychology | |
| HPER 108 | 2 | Ed. 111a | |
| Freshman Major Activity Program | | or | |
| HPER 199a | 1 | Introductory Psychology ..Psy. 101a | 3 |
| Introduction to Teaching .. Ed. 101 | 2 | Elementary Composition ..Eng. 101b | 2 |
| Elementary Composition ..Eng. 101a | 2 | Military Training | 1 |
| Military Training | 1 | | |
| | <u>16</u> | | <u>15</u> |

SOPHOMORE YEAR

| | | | |
|--------------------------------------|-----------|-------------------------------------|-----------|
| Organization of Community Recrea- | | Recreational Crafts HPER 117 | 2 |
| tion HPER 221 | 2 | Rhythmic Techniques HPER 139 | 1 |
| Sophomore Major Activity Program | | Sophomore Major Activity Program | |
| HPER 299a | 1 | HPER 299b | 1 |
| Social Science (Choice) | 3 | Human Anatomy Anat. 114 | 5 |
| Advanced Educational Psychology | | Freshman World Literature Eng. 103a | 3 |
| Ed. 211 | 3 | Military Training | 1 |
| The Field of Philosophy ..Phil. 100a | | Electives | 2 |
| or Fine Arts | 3 | | |
| Military Training | 1 | | |
| Electives | 3 | | |
| | <u>16</u> | | <u>15</u> |

JUNIOR YEAR

| | | | |
|--------------------------------------|-----------|---------------------------------------|-----------|
| Physical Examinations and Corrective | | Kinesiology HPER 207 | 3 |
| Exercises HPER 229 | 3 | Junior Major Activity Program | |
| Content Materials in Safety Educa- | | HPER 399b | 1 |
| tion HPER 450 | 2 | Elementary Physiology ..Physiol. 101 | |
| Junior Major Activity Program | | or | |
| HPER 399a | 1 | General PhysiologyPhysiol. 103a | 5 |
| Organization of Health Education | | Principles of Instruction in the High | |
| HPER 441 | 2 | School Ed. 321 | |
| Electives | 7 | (and Teaching of High School | |
| | | Physical Education..Ed. 322P.Ed.) | 5 |
| | <u>15</u> | Elective | 1 |
| | | | <u>15</u> |

SENIOR YEAR

| | | | |
|------------------------------------|-----------|---------------------------------------|-----------|
| Tests and Measurements in Physical | | Administration, Organization, and Su- | |
| Education HPER 443 | 3 | pervision of Physical Education | |
| Senior Major Activity Program | | HPER 444 | 3 |
| HPER 499a | 1 | Senior Major Activity Program | |
| General and Individual Hygiene | | HPER 499b | 1 |
| Physiol. Hyg. 102 | 3 | Secondary Education *and Guidance | |
| Teaching of High School Health and | | Ed. 401 | 3 |
| Safety Ed. 322H.S. | 2 | Electives | 8 |
| Student Teaching in High School | | | |
| Physical Education .. Ed. 426P.Ed. | 5 | | |
| Elective | 1 | | |
| | <u>15</u> | | <u>15</u> |

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

OPTION IIA

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

FRESHMAN YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|--|-------|--|-------|
| | Hours | | Hours |
| Speedball and Volleyball | | Crafts and Design F.A. 162a | 2 |
| HPER 107M-101M | 1 | Basketball and Softball | |
| Rhythmic Analysis HPER 144 | | HPER 115M-118M | 1 |
| or | | Modern Dance HPER 103M | 1 |
| Technique of Games and Rhythms for | | Camp Counselors' Training HPER 145 | 2 |
| the Elementary School | | Human Anatomy Anat. 114 | 5 |
| HPER 241-243 | 1 | English Literature Eng. 102a | 3 |
| First Aid HPER 190 | 2 | Elementary Composition ..Eng. 101b | 2 |
| Introduction to Teaching ..Ed. 101 | 2 | | 16 |
| Introductory Psychology ..Psy. 101a | | | |
| or | | | |
| Elementary Educational Psychology | | | |
| Ed. 111a | 3 | | |
| Field of Philosophy Phil. 100a | | | |
| or Fine Arts | 3 | | |
| Elementary Composition .. Eng. 101a | 2 | | |
| Electives | 2 | | |
| | 16 | | |

SOPHOMORE YEAR

| | | | |
|--|----|---|----|
| Archery and Folk Dancing | | Technique of Games and Rhythms for | |
| HPER 119M-126M | 1 | Elementary School ..HPER 241-243 | 1 |
| Techniques of Stunts, Tumbling, and | | (if HPER 144 not taken first se- | |
| Gymnastics HPER 140 | 2 | mester of Freshman year) | |
| Elementary Physiology ..Physiol. 101 | | Technique of Folk Dancing HPER 240 | 1 |
| or | | Nutrition H.Econ. 106 | 2 |
| General Physiology Physiol. 103a | 5 | History or Sociology (Choice) | 3 |
| Advanced Educational Psychology | | Electives | 8 |
| Ed. 211 | 3 | | 15 |
| Electives | 4 | | |
| | 15 | | |

JUNIOR YEAR

| | | | |
|------------------------------------|----|---------------------------------------|----|
| Technique of Team Sports | | Physical Examinations and Corrective | |
| HPER 235 | 2 | Exercises HPER 229 | 3 |
| Organization of Community Recrea- | | History and Principles of Physical | |
| tion HPER 221 | 2 | Education HPER 205 | 3 |
| Teaching of High School Health and | | Principles of Instruction in the High | |
| Safety Ed. 322H.S. | 2 | School Ed. 321 | |
| General and Individual Hygiene | | (and Teaching of High School | |
| Physiol. Hyg. 102 | 3 | Physical Education..Ed. 322P.Ed.) | 5 |
| Electives | 6 | Electives | 4 |
| | 15 | | 15 |

SENIOR YEAR

| | | | |
|---------------------------------------|----|------------------------------------|----|
| Tests and Measurements in Physical | | Content Materials in Safety Educa- | |
| Education HPER 443 | 3 | tion HPER 450 | 2 |
| Organization and Administration of | | Organization of Health Education | |
| Physical Education HPER 222 | 2 | HPER 441 | 2 |
| Technique of Assisting .. HPER 236 | 1 | Secondary Education and Guidance | |
| Student Teaching in High School | | Ed. 401 | 3 |
| Physical Education ..Ed. 426P.Ed. | 5 | Electives | 8 |
| Electives | 4 | | 15 |
| | 15 | | |

OPTION VB

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

FRESHMAN YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|---|-------|--|-------|
| | Hours | | Hours |
| Nature and Practice of Play | | Art Appreciation F.A. 100 | 2 |
| HPER 108 | 2 | Nature Study—Birds Zool. 104 | 2 |
| Principles of Sociology Soc. 102a | 3 | American Government: State and | |
| Elementary Educational Psychology | | Local Government Gov. 101b | 3 |
| Ed. 111a | | Public Speaking Spch. 102a | 2 |
| or | | Elementary Composition Eng. 101b | 2 |
| Introductory Psychology Psy. 101a | 3 | Freshman Major Activity Program | |
| American Government: Federal Gov- | | HPER 199b | 1 |
| ernment Gov. 101a | 3 | Military | 1 |
| Elementary Composition Eng. 101a | 2 | Electives | 3 |
| Freshman Major Activity Program | | | 16 |
| HPER 199a | 1 | | |
| Military Training | 1 | | |
| | 15 | | |

SOPHOMORE YEAR

| | | | |
|--|----|-----------------------------------|----|
| Organization of Community Recrea- | | *Camp Counselors' Training Course | |
| tion HPER 221 | 2 | HPER 145 | 2 |
| Crafts and Design F.A. 162a | 2 | Acting Spch. 122a | 3 |
| Freshman English Literature | | Advanced Educational Psychology | |
| Eng. 102a | | Ed. 211 | 3 |
| or | | First Aid HPER 190 | 2 |
| Freshman World Literature | | Sophomore Major Activity Program | |
| Eng. 103a | 3 | HPER 299b | 1 |
| Introduction to Teaching Ed. 101 | 2 | Military Training | 1 |
| Sophomore Major Activity Program | | Electives | 4 |
| HPER 299a | 1 | | 16 |
| Nature Study Bot. 117t | 2 | | |
| Military Training | 1 | | |
| Electives | 2 | | |
| | 15 | | |

JUNIOR YEAR

| | | | |
|---|----|---|----|
| Introduction to Folklore Eng. 294 | 2 | Home Gardening Bot. 120 | 2 |
| Recreational Crafts HPER 117 | 2 | Recreation Music Mus. 353 | 2 |
| Introduction to the History and Lit- | | Youth Agencies HPER 114 | 2 |
| erature of Music Mus. 105a | 3 | Ethics of Democracy Phil. 121 | 3 |
| Principles of Instruction in the High | | Baseball, Track and Field | |
| School Ed. 321 | 3 | HPER 232, 233 | 3 |
| Football and Basketball | | Electives | 3 |
| HPER 230, 231 | 3 | | 15 |
| Electives | 3 | | |
| | 16 | | |

SENIOR YEAR

| | | | |
|---|----|------------------------------------|----|
| The Community Soc. 227 | 3 | Student Teaching in Recreation | |
| Writing for Publication Jour. 227 | 3 | Ed. 426Rec. | 3 |
| Student Teaching in Recreation | | Business and Professional Speaking | |
| Ed. 426Rec. | 3 | Spch. 204 | 2 |
| Visual Education Ed. 323 | 2 | Content Materials in Safety Educa- | |
| Technique of Swimming HPER 134 | 1 | tion HPER 450 | 2 |
| Electives | 3 | Secondary Education and Guidance | |
| | 15 | Ed. 401 | 3 |
| | | Techniques of Minor Athletic Games | |
| | | HPER 136b | 1 |
| | | Electives | 4 |
| | | | 15 |

* June course, Camp Brosius, Elkhart Lake, Wis., may be substituted.

OPTION VA

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

FRESHMAN YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|---|-------|---|-------|
| | Hours | | Hours |
| Principles of Sociology Soc. 102a | 3 | Nature Study—Birds Zool. 104 | 2 |
| Nature and Practice of Play HPER 108 | 2 | Art Appreciation F.A. 100 | 2 |
| Elementary Educational Psychology Ed. 111a | | Public Speaking Spch. 102a | 2 |
| or | | American Government: State and Local Government Gov. 101b | 3 |
| Introductory Psychology Psy. 101a | 3 | Elementary Composition Eng. 101b | 2 |
| American Government: Federal Government Gov. 101a | 3 | Basketball and Softball HPER 115M-118M | 1 |
| Elementary Composition Eng. 101a | 2 | Social Dancing and Tennis HPER 125M-111M | 1 |
| Volleyball and Speedball HPER 101M-107M | 1 | Electives | 3 |
| Rhythmic Analysis HPER 144 | 1 | | 16 |
| | 15 | | |

SOPHOMORE YEAR

| | | | |
|---|----|--|----|
| Organization of Community Recreation HPER 221 | 2 | *Camp Counselors' Training Course HPER 145 | 2 |
| Crafts and Design F.A. 162a | 2 | Acting Spch. 122a | 3 |
| Archery and Folk Dancing HPER 119M-126M | 1 | Technique of Folk Dancing HPER 240 | 1 |
| Freshman English Literature Eng. 102a | | First Aid HPER 190 | 2 |
| or | | Advanced Educational Psychology Ed. 211 | 3 |
| Freshman World Literature Eng. 103a | 3 | Electives | 5 |
| Introduction to Teaching Ed. 101 | 2 | | 16 |
| Nature Study Bot. 117t | 2 | | |
| Techniques of Stunts, Tumbling, and Gymnastics HPER 140 | 2 | | |
| Electives | 2 | | |
| | 16 | | |

JUNIOR YEAR

| | | | |
|---|----|---|----|
| Introduction to Folklore Eng. 294 | 2 | Recreation Music Mus. 353 | 2 |
| Recreational Crafts HPER 117 | 2 | Home Gardening Bot. 120 | 2 |
| Introduction to the History and Literature of Music Mus. 105a | 3 | Youth Agencies HPER 114 | 2 |
| Principles of Instruction in High School Ed. 321 | 3 | Ethics of Democracy Phil. 121 | 3 |
| Golf and Badminton HPER 112-128 | 1 | Swimming HPER 110M | 1 |
| Electives | 4 | Electives | 5 |
| | 15 | | 15 |

SENIOR YEAR

| | | | |
|--|----|--|----|
| Visual Education Ed. 323 | 2 | Student Teaching in Recreation Ed. 426Rec. | 3 |
| The Community Soc. 227 | 3 | Content Materials in Safety Education HPER 450 | 2 |
| Writing for Publication Jour. 227 | 3 | Business and Professional Speaking Spch. 204 | 2 |
| Student Teaching in Recreation Ed. 426Rec. | 3 | Secondary Education and Guidance Ed. 401 | 3 |
| Technique of Team Sports HPER 235 | 2 | Electives | 5 |
| Electives | 2 | | 15 |
| | 15 | | |

* June course, Camp Brosius, Elkhart Lake, Wis., may be substituted.

OPTION A. SANITARIANS

Four-year course leading to the B.S. degree in Public Health*

FRESHMAN YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|--|-------|---|-------|
| | Hours | | Hours |
| Elementary Composition .. Eng. 101a | 2 | Elementary Composition .. Eng. 101b | 2 |
| General Chemistry .. Chem. 103a | 5 | General Chemistry .. Chem. 103b | 5 |
| General Mathematics, for premedical students .. Math. 104m | 2 | Foreign Language | |
| Foreign Language | | or | |
| Principles of Sociology .. Soc. 102a | 3-5 | Society and the Individual .. Soc. 102b | 3-5 |
| Electives .. | 2-3 | Public Speaking .. Spch. 102a | 2 |
| Physical Education .. | 1 | Electives .. | 2-4 |
| Military .. | 1 | Physical Education .. | 1 |
| | | Military .. | 1 |

SOPHOMORE YEAR

| | | | |
|--|-----|--|-----|
| Organic Chemistry .. Chem. 227 | 6 | Biological Chemistry .. Dent. 109 | 5 |
| Animal Biology .. Zool. 103 | 5 | American Government: State and Local Government .. Gov. 101b | |
| American Government: Federal Government .. Gov. 101a | | or | |
| Foreign Language .. | 3-5 | Foreign Language .. | 3-5 |
| Electives .. | 0-2 | Introductory Psychology .. Psy. 101a | 3 |
| Military .. | 1 | Electives .. | 2-4 |
| | | Military .. | 1 |

JUNIOR YEAR

| | | | |
|--|---|---|---|
| Public Relations .. | 2 | Rural Local Government: County and Township .. Gov. 204 | 2 |
| Descriptive Survey of Physics .. Phys. 100 | 5 | Principles of Economics .. Econ. 101b | 3 |
| Principles of Economics .. Econ. 101a | 3 | Elementary Physiogy .. Physiol. 101 | 5 |
| Introductory Bacteriology .. Bact. 252 | 5 | Electives .. | 5 |

SENIOR YEAR

(Work taken at Medical Center, Indianapolis)

| | | | |
|---|---|------------------------------------|----|
| Epidemiology and Statistics .. | 3 | Sanitation Field Practice .. | 10 |
| Sanitation .. | 6 | Public Health Education Methods .. | 3 |
| Industrial Hygiene .. | 2 | Parasitology and Entomology .. | 3 |
| Public Health Administration including Public Health Law .. | 2 | | |
| Milk and Food Control .. | 3 | | |

OPTION B. HEALTH EDUCATION

Four-year course leading to the B.S. degree in Health Education*

FRESHMAN YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|--|-------|---|-------|
| | Hours | | Hours |
| History and Principles of Physical Education .. HPER 205 | 3 | First Aid .. HPER 190 | 2 |
| Nature and Practice of Play .. HPER 108 | 2 | Animal Biology .. Zool. 103 | 5 |
| Elementary Composition .. Eng. 101a | 2 | Elementary Composition .. Eng. 101b | 2 |
| Natural Gymnastics and Apparatus Technique .. HPER 138a | 1 | Society and the Individual .. Soc. 102b | 3 |
| Principles of Sociology .. Soc. 102a | 3 | Introduction to Teaching .. Ed. 101 | 2 |
| Football and Basketball HPER 230-231 | 3 | Physical Education .. | 1 |
| Physical Education .. | 1 | Military Training .. | 1 |
| Military Training .. | 1 | | |

* Offered by the School of Health, Physical Education, and Recreation, with the Department of Public Health, School of Medicine.

SOPHOMORE YEAR

| | | | | | |
|--|------------|---|---------------------------------------|------------|---|
| Organization of Community Recreation | HPER 221 | 2 | Recreational Crafts | HPER 117 | 2 |
| Elementary Educational Psychology | Ed. 111a | 3 | Advanced Educational Psychology | Ed. 211 | 3 |
| Freshman World Literature Eng. 103a | 3 | | Field of Philosophy | Phil. 100a | 3 |
| Public Speaking | Spch. 102a | 2 | Human Anatomy | Anat. 114 | 5 |
| Sociology (The Community) .Soc. 227 | 3 | | Rhythmic Techniques | HPER 139 | 1 |
| Techniques of Minor Athletic Games | HPER 136a | 1 | Military Training | | 1 |
| Military Training | | 1 | | | |

JUNIOR YEAR

| | | | | | |
|--|-------------------|---|--|---------------|---|
| Physical Examinations and Corrective Exercises | HPER 229 | 3 | Tests and Measurements in Physical Education | HPER 443 | 3 |
| General Physiology ... | Physiol. 103a | 5 | Content Materials in Safety Education | HPER 450 | 2 |
| General and Individual Hygiene | Physiol. Hyg. 102 | 3 | General Physiology | Physiol. 103b | 5 |
| Secondary Education and Guidance | Ed. 401 | 3 | Bacteriology (Introductory) Bact. 252 | 5 | |
| Nutrition | H.Econ. 106 | 2 | | | |

SENIOR YEAR

(Work taken at Medical Center, Indianapolis)

| | | | | |
|--|--------------|---|-------------|---|
| Public Health Administration and Law | 2 | Organization of Health Education | HPER 441 | 2 |
| Sanitation | 3 | Parasitology | | 2 |
| Community Health Education | 3 | Public Health Field Practice | | 7 |
| Epidemiology and Statistics | 3 | Student Teaching in High School Health and Safety ... | Ed. 426H.S. | 5 |
| Principles of Instruction in the High School | Ed. 321 | | | |
| (and Teaching of High School Health and Safety | Ed. 322H.S.) | 5 | | |

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.

Tentative Patterns for Certificates of Supervision in Advanced Areas

| <i>Physical Education</i> | <i>Health</i> | <i>Recreation</i> |
|---|--------------------------------|-------------------|
| HPER 540 (3 cr.) | HPER 540 (3 cr.) | HPER 540 (3 cr.) |
| HPER 544 (3 cr.) | HPER 541 (3 cr.) | HPER 545 (3 cr.) |
| HPER 542 (2 cr.) | HPER 550 (2 cr.) | HPER 645 (3 cr.) |
| HPER 543 (2 cr.) | HPER 561 (2 cr.) | HPER 648 (2 cr.) |
| HPER 577 (3 cr.) | HPER 571 (2 cr.) | HPER 649 (2 cr.) |
| HPER 546 (3 cr.) | HPER 715 (2½ cr.) | HPER 551 (2 cr.) |
| HPER 538 (2 cr.) (Seminar or research) or HPER 746 or 716 for women | (Health Work) HPER 546 (3 cr.) | HPER 552 (2 cr.) |
| | HPER 745 (2½ cr.) | HPER 538 (2 cr.) |
| HPER 648 (2 cr.) | HPER 715 (2½ cr.) | HPER 747 (1 cr.) |
| HPER 587 (3 cr.) | HPER 587 (3 cr.) | HPER 717 (1 cr.) |
| | | HPER 587 (3 cr.) |

For any one of these areas, 7 additional hours in the School of Health, Physical Education, and Recreation are required, and 7½ may be in the School or in an outside minor such as General Education.

GRADUATE DEGREES

Graduate work in the School of Health, Physical Education, and Recreation is offered in the following fields: Physical Education, Health and Safety, and Recreation. It is possible for approved candidates to qualify for the doctorate, the directorate, or the Master of Science degree with a major in any one of the aforesaid fields.

A new student wishing to work toward one of these degrees should send his credentials to the Dean of the School at least one month before the opening date of the session. Transcripts that have been submitted and evaluated will become the property of the University and will not be returned.

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

MASTER OF SCIENCE DEGREE

1. A candidate for the Master of Science degree must have met the general requirements for admission to graduate standing in the School of Health, Physical Education, and Recreation of Indiana University.

2. Before beginning, or during the time when the candidate is completing graduate courses, he should have completed successfully undergraduate courses as follows:

(a) For the M.S. degree with a major in physical education—twenty-four semester hours in undergraduate courses required by Indiana University (or their equivalent) for a teaching subject in physical education.

(b) For the M.S. degree with a major in health and safety—twenty-four semester hours in such undergraduate courses as Anatomy, Physiology, Hygiene, Nutrition, or (and) Biology, Health and Safety.

(c) For the M.S. degree with a major in recreation—twenty-four semester hours in such undergraduate courses as Sociology, Music, Fine Arts, Dramatics, Physical Education, or (and) Natural Sciences, and Games and Recreational Theory.

3. It is recommended that the usual Master's degree candidate plan to take all of his course work in the School of Health, Physical Education, and Recreation and follow a pattern of courses that will qualify him for a supervisor's certificate in the field of his special interest. This certificate may be earned while qualifying for the Master of Science degree.

4. The candidate may, if he so desires, be permitted to present work in an approved minor field of graduate study in partial fulfillment of requirements for the degree. A minor may be in graduate courses in the School of Education, or any other field of learning if approved by the Dean of the School. A minor may be any amount

of graduate course credit in an approved field of study not to exceed ten semester hours. It should be clearly understood that a candidate is not required to have a minor.

5. All graduate students are required to complete the course HPER 540, Introduction to Research in Health, Physical Education, and Recreation, as part of their graduate study. It is recommended that the student take HPER 540 during his first semester in school when it is feasible to do so.

6. A candidate for the M.S. degree with a major in health and safety, physical education, or recreation must complete successfully ten or more semester hours of graduate course work in the field in which he is taking a major. The remainder of his credits may be in other fields of the School of Health, Physical Education, and Recreation, and in an approved minor field of study (if an outside minor is desired).

7. **Qualifying by Including a Thesis.** Following are the general requirements for the M.S. degree in any department of the School of Health, Physical Education, and Recreation for those who complete a satisfactory project in research and thesis writing:

(a) Two semesters of residence, or the equivalent in summer sessions or in off-campus centers, are required.

(b) The successful completion of thirty semester hours of approved graduate work, of which a satisfactory thesis confers three hours of credit, is required.

(c) An average scholarship of "B" or higher must be maintained.

(d) Qualification for the degree should be completed within five calendar years after enrollment in graduate work.

(e) A minimum of one regular summer session or equivalent of residence on the campus is required.

Registration on the Bloomington campus of Indiana University is required for work done in connection with the thesis. Three copies of this thesis, when approved by the director, must be typewritten and bound. These must be filed with the Dean of the School of Health, Physical Education, and Recreation not later than the first of the month in which the candidate expects to complete the work for the degree.

8. **Qualifying Without a Thesis.** Many candidates prefer to take additional course work and to spend additional time in residence rather than to undertake a thesis project. For such graduate students the following regulations have been established:

(a) Two and one-half semesters of residence, or the equivalent in summer sessions and in off-campus centers, are required.

(b) The successful completion of thirty-seven and one-half semester hours of approved graduate work is required. The seven and one-half hours of graduate work in lieu of a thesis may be in graduate courses in the School of Education or in the School of Health, Physical Education, and Recreation.

(c) An average scholarship of "B" or higher must be maintained.

(*d*) Qualification for the degree should be completed within six calendar years after enrollment in graduate work.

(*e*) A minimum of two regular summer sessions or one semester of residence on the campus of Indiana University is required.

9. No language requirement is made for this degree, but candidates are urged to cultivate effective use of the English language.

A new degree to give recognition to those successfully completing two years of graduate study has been authorized by the Board of Trustees of Indiana University. It is felt that this new degree, which is intermediate between the Master's degree and the doctorate, will meet an important need in the field of graduate study. It should provide superior professional preparation for those in supervisory and administrative positions in fields of physical education, health and safety, and recreation. Incidentally, it is believed that many doctorate candidates will find it desirable to qualify for this degree while carrying on their more extensive program of meeting the various requirements for the doctorate.

DIRECTOR DEGREE

1. A candidate for the Director degree must have met the general requirements for admission to graduate standing in the School of Health, Physical Education, and Recreation of Indiana University. He must have a baccalaureate degree equivalent to that degree granted by Indiana University through its various schools.

2. Before beginning, or during the time when the candidate is completing graduate courses, he should have completed successfully undergraduate courses as follows:

(*a*) For the degree Director of Physical Education (Pe. Dir.), twenty-four semester hours in undergraduate courses required by Indiana University (or their equivalent) for a teaching subject in physical education.

(*b*) For the degree Director of Health and Safety (Hs. Dir.), twenty-four semester hours in such undergraduate courses as Anatomy, Physiology, Hygiene, Nutrition, or (and) Biology, Health, and Safety.

(*c*) For the degree Director of Recreation (Re. Dir.), twenty-four semester hours in such undergraduate courses as Sociology, Music, Fine Arts, Dramatics, Physical Education, or (and) Natural Sciences, and Games and Recreational Theory.

3. Advanced standing may be secured by a candidate by presenting an official transcript of graduate credits from another approved educational institution. The maximum amount of advanced graduate credit that may be transferred on this degree shall be thirty semester hours.

4. It is recommended that the usual Director candidate plan to take all of his course work in the School of Health, Physical Education, and Recreation and follow a pattern of courses that will qualify him for expert service as an administrator and supervisor.

5. The candidate may, if he so desires, be permitted to present work in an approved minor field of graduate study in

partial fulfillment of requirements for the degree. A minor may be in graduate courses in the School of Education, or any other field of learning if approved by the Dean of the School. A minor may be any amount of graduate course credit in an approved field of study not to exceed twenty semester hours. It should be clearly understood that a candidate is not required to have a minor. If a minor is chosen, the remainder of the sixty hours for the degree (supplementing the major and minor) shall be in the graduate courses of the School outside the major field.

6. All graduate students are required to complete Course HPER 540, Introduction to Research in Health, Physical Education, and Recreation, or have had a comparable course as part of their graduate study. It is recommended that the student take HPER 540 during his first semester in school when it is feasible to do so.

7. A candidate for the directorate with a major in health and safety, physical education, or recreation must complete successfully thirty semester hours of graduate course work in the field in which he is taking a major. A field study, with credit of from five to ten semester hours, may be prescribed as part of the major (30 hours). The remainder of his credits may be in other fields of the School of Health, Physical Education, and Recreation and in an approved minor field of study (if an outside minor is desired).

8. **Qualifying Standards.** Following are the general requirements for the Director degree in any department of the School of Health, Physical Education, and Recreation:

(a) Two semesters of residence, or the equivalent in summer sessions or in University centers, are required of the candidate after he has qualified for a Master's degree (or its equivalent) here or elsewhere.

(b) The successful completion of sixty semester hours of approved graduate work is required.

(c) An average scholarship of "B" or higher must be maintained.

(d) Qualification for the degree should be completed within five calendar years after enrollment as a candidate for this degree.

(e) A minimum of two regular summer sessions or equivalent of residence on the campus is required.

9. No language requirement is made for this degree, but candidates are urged to cultivate effective use of the English language.

THE DOCTORATE

The School is authorized to qualify successful candidates for the following doctoral degrees: Doctor of Physical Education (Pe.D.), Doctor of Health and Safety (Hs.D.), and Doctor of Recreation (Re.D.).

1. The School of Health, Physical Education, and Recreation administers the qualifying activities of candidates for the doctoral

degree with majors in either physical education, health and safety, or recreation. The steps toward meeting the requirements for the doctoral degree are as follows: (a) admission to graduate study; (b) approval by the Faculty as a candidate; (c) the passing of a preliminary examination; (d) the completion of required course work; (e) the completion of an approved dissertation; (f) the passing of the final oral examination.

2. **Admission.** Students seeking admission to graduate study must have a baccalaureate degree equivalent to that degree granted by Indiana University through its various schools.

3. **Approval.** After being admitted to graduate standing, any student desiring to become a candidate for the doctorate with a major in either physical education, health and safety, or recreation must be approved by the Faculty of the School of Health, Physical Education, and Recreation before he is an official doctorate candidate. To secure approval he or she must file with the Dean of the School an application accompanied by an unmounted photograph with full name written on the back.

4. **The Candidate's Committee.** After a candidate is approved by the Faculty, a committee shall be appointed by the Dean of the School to guide the subsequent work of the candidate in qualifying for the degree. The chairman of this committee shall have the major responsibility for supervising the candidate's progress, but another member of the committee may be designated as director of the thesis project if better qualified to assist in the investigation finally approved by the committee.

5. **Preliminary Examination.** Approximately at the time the candidate begins his last academic year of credit work (45 semester hours including the thesis) he must pass a preliminary examination. This examination is in two parts: a written examination in chosen fields of the School; an oral examination before selected members of the School's Faculty.

The preliminary examination has several purposes:

(a) It tests the scholarship of the candidate in his major fields of professional interest.

(b) It enables the Faculty to advise him concerning the remedial study necessary to correct weaknesses in preparation discovered.

(c) It permits the Faculty to form an estimate concerning his personality, poise, and ability to comprehend problems and propose solutions.

(d) It provides a means of saving time and money of such candidates as are manifestly unsuited to the successful continuation of graduate work for the doctorate.

(e) It promotes the esprit de corps of those candidates who have passed this qualifying examination.

6. **Required Course Work.** The candidates for the doctorate in the School of Health, Physical Education, and Recreation must comply with the following regulations:

(a) He must complete a graduate course of study of at least six semesters or their equivalent of which a minimum of two semesters or their equivalent must be spent in residence at Indiana University.

(b) He must choose, as his major field, physical education, health and safety, or recreation. He must choose two minors, one of which may be within the School of Health, Physical Education, and Recreation in either of the two areas not selected as his major field. He may choose both minors outside the School, if he so prefers, in any department or professional school of the University offering graduate work.

(c) **THE MAJOR.** The major shall consist of thirty-five semester hours, prescribed by the candidate's committee, of which the thesis shall give no more than fifteen semester hours of credit.

(d) **THE INSIDE MINOR.** The minor chosen within the School of Health, Physical Education, and Recreation shall be normally fifteen semester hours of credit work prescribed by the candidate's committee.

(e) **THE OUTSIDE MINOR.** The minor chosen in a department of professional school outside the School of Health, Physical Education, and Recreation shall normally be between fifteen and twenty semester hours of credit work, prescribed by the candidate's committee.

(f) **TWO OUTSIDE MINORS.** If the candidate chooses both minors outside the School, each shall consist of fifteen semester hours as prescribed by the committee.

(g) **ELECTIVES.** Under ordinary conditions the candidate will be allowed free election of twenty semester hours of graduate course work, either to broaden his education or to provide for additional specialization in his field of special interest. The candidate's committee is, however, in complete control of his candidacy and may make any course prescriptions which they consider necessary for the candidate's proper preparation.

(h) **AMOUNT AND STANDARD OF WORK.** The successful candidate must complete at least ninety semester hours of graduate work, including the thesis, at this or other institutions of learning of approved rank. A scholarship average not less than a "B" must be earned by the candidate in all his graduate work.

7. **Language.** No foreign language requirement is made for this degree, but candidates are urged to cultivate effective use of the English language.

8. **The Dissertation.** The successful candidate must present an acceptable thesis on some significant problem in the field of his major specialization. This thesis must be in the nature of an original contribution through research or of the organization, evaluation, and application of existing knowledge to an important problem in his major field of professional specialization.

At least one month before the final examination, five typed and bound copies of the complete thesis must be filed in the office of the School of Health, Physical Education, and Recreation. If the candidate is recommended for the degree, arrangements must be made with the Dean to provide for the publication of the thesis. The following methods of publication are permissible:

(a) The thesis may be published in some reputable journal or in book form. In this case, five printed copies of the complete thesis must be deposited in the University Library.

(b) Mimeographing may be interpreted as one form of printing, and, in lieu of printed copies of a thesis, mimeographed copies may be accepted. In the case the thesis is mimeographed, a minimum of 150 copies should be made, of which five must be deposited in the Library.

(c) In the event that the complete thesis cannot be published at a reasonable cost, an abstract or digest giving the essential contents with conclusions and summary may be printed at the expense of the candidate. The candidate may have the abstract published anywhere he chooses. If he wishes, he may pay to the University the cost of publication of the abstract, and the printing will be done by the State Printer through the University. If an abstract of the thesis is published, 200 copies of it must be deposited in the University Library, to be distributed to the leading libraries of the country.

Regardless of the method of publication, if it is impossible for the candidate to file printed copies of his thesis before the granting of the degree, he must file a bond for \$100 in the Treasurer's office to the effect that he will deposit printed copies within a reasonable length of time.

As soon as they are printed, these copies should be filed with the Dean of the School of Health, Physical Education, and Recreation, who will deposit them in the Library and notify the Treasurer to release the bond. All copies submitted in fulfillment of the bond must be suitably bound with durable covers.

9. **Final Oral Examination.** The candidate is given a final oral examination by his committee after the thesis is accepted in typewritten form. The examination covers the thesis and the major and minor fields. Successfully passing this examination by the candidate is necessary in order to qualify for the degree. The examination is open to the members of the Faculty and to others who care to attend.

FEES AND EXPENSES

Fees. All students in this School* who are legal residents of the state of Indiana are charged a fee of \$48.75 for fifteen semester hours; fees for non-residents are \$153.75 for fifteen semester hours (\$67.50 for non-residents in attendance at I.U. prior to first semester of 1946-47).

Expenses. Room and board in Halls of Residence on the Bloomington campus vary from \$259 to \$349 a semester. Rates for apartments for married students vary. Rooms in private residences cost from \$54 to \$108 a semester; meals are available at nearby restaurants or at the University Cafeteria where the average rate was recently \$1.33 a day.

* Except in the Normal College of the American Gymnastic Union of Indiana University (Indianapolis) where the fee is the same for residents and non-residents—\$75 a semester, plus \$10 for health, activities, and group insurance, plus a \$15 practice teaching fee in the Sophomore year.

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

PROFESSIONAL DEPARTMENT

Dean PATTY (Temporary Chairman).

This is primarily an administrative device to integrate the professional training services of the members of the staff of the various departments within the School who are best qualified for that type of responsibility.

DEPARTMENT OF INTERCOLLEGIATE ATHLETICS FOR MEN

Director and Professor McMILLIN*†; Director‡ and Assistant Professor HARELL*; Assistant Professor MCCracken*; Instructors TEMERARIO,*§ FISHER,* ROYER,*|| MCDANIEL, COCHRANE, DECKARD,||¶ VELLER, MCREARY,* ZARZA.**

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

Outdoor facilities include a football and track stadium seating approximately 33,000 spectators, two large football practice fields, a baseball field, and ten tennis courts for men.

Indoor facilities include a gymnasium basketball floor, a special basketball floor for varsity games in the Fieldhouse, a swimming pool, wrestling room, trophy room, and spacious locker and shower rooms. The Fieldhouse is 200 feet wide and 300 feet long, and has a seating capacity at present of 9,000 persons, which can be increased to meet future demands. This building provides facilities for track, basketball, indoor practice in football, baseball, 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, upon entering the University, are examined by the University Physicians, who may also be consulted by students every week day at certain scheduled hours.

Indiana 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

* Also teaches professional courses.

† Resigned March 1, 1948.

‡ Director, beginning March 3, 1948.

§ Resigned June 30, 1948.

|| Also teaches physical education service classes for men.

¶ Resigned December 31, 1947.

** Second semester, 1947-48; resigned March 15, 1948.

intramural, by all students. To this end athletic fields and tennis courts are maintained for teams and students. In every practicable way the University endeavors to further the physical health and well-being of its students.

DEPARTMENT OF HEALTH AND SAFETY

Professor PATTY; Instructors DANE (Acting Chairman), McLELLAND.

This Department is chiefly concerned with the professional preparation of technical workers in the field of health (such as sanitarians) and of teachers and administrators of school health and safety programs. Undergraduate and graduate courses are provided, and promotional and research work is done.

The Department is especially fortunate in enjoying unusually fine cooperation from the staff of the School of Medicine. The staffs of the Departments of Anatomy and Physiology on the Bloomington campus teach special courses in special sections for majors in human anatomy, general physiology, physiology of exercise, hygiene, and graduate courses for graduate students with similar minors. The staff of the Department of Public Health of the School of Medicine in Indianapolis jointly sponsors, with this School, the curricula for sanitarians and for public health educators.

The Institute of Criminal Law Administration on the Bloomington campus is also planning cooperatively with this Department in strengthening provisions for driver testing and driver instruction facilities.

One of the recent developments in this Department is the course in orientation to flying. The growing interest in aviation makes the offering of careful and thorough ground training and flying instruction a necessary part of the University's program in the interest of safety. The beginning of this program of aviation training under contractual arrangement with local air fields was authorized by University officials in 1946.

NORMAL COLLEGE OF THE AMERICAN GYMNASTIC UNION DEPARTMENT

Assistant Professor HESTER (Director of the Normal College and Dean of Women); Lecturer MURPHY; Part-time Lecturers SPUTH,* CALVY†; Instructors RINSCH, MARTIN (Dean of Men), ZIPERMAN; Part-time Instructors LIPPS,‡ LOHSE,‡ ZIMLICH,‡ McALPINE.†

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, 1933. Between 1933 and 1941 the fourth year of the work had been given by Indiana University at Bloomington. Since 1941-42 the last two years of the work have been offered only at Bloomington.

The merger brings into Indiana University the oldest American institution for the training of teachers of physical and health edu-

* First semester, 1947-48.

† Second semester, 1947-48.

‡ October 1, 1947, to May 31, 1948.

cation 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 a Bachelor of Science in Physical Education degree. Those especially interested in this department should write to the Recorder of the Normal College, 415 East Michigan Street, Indianapolis, for a copy of the annual bulletin.

DEPARTMENT OF PHYSICAL EDUCATION FOR WOMEN

Director and Associate Professor MUNRO*; Assistant Professors FOX, YEAKEL, PHILLIPS; Instructors RIDDER,† LEYHE, SUMMERS, WICHMAN, COADY, JOHNSON.

Physical education is required of all Junior Division students two periods a week. One hour of nonacademic credit a semester is given for this work.

In addition to the required courses of the Freshman year, undergraduate women enrolled 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.

Each student taking work in physical education is given a physical examination. On the basis of information thus obtained, advice is given and special recommendations are made.

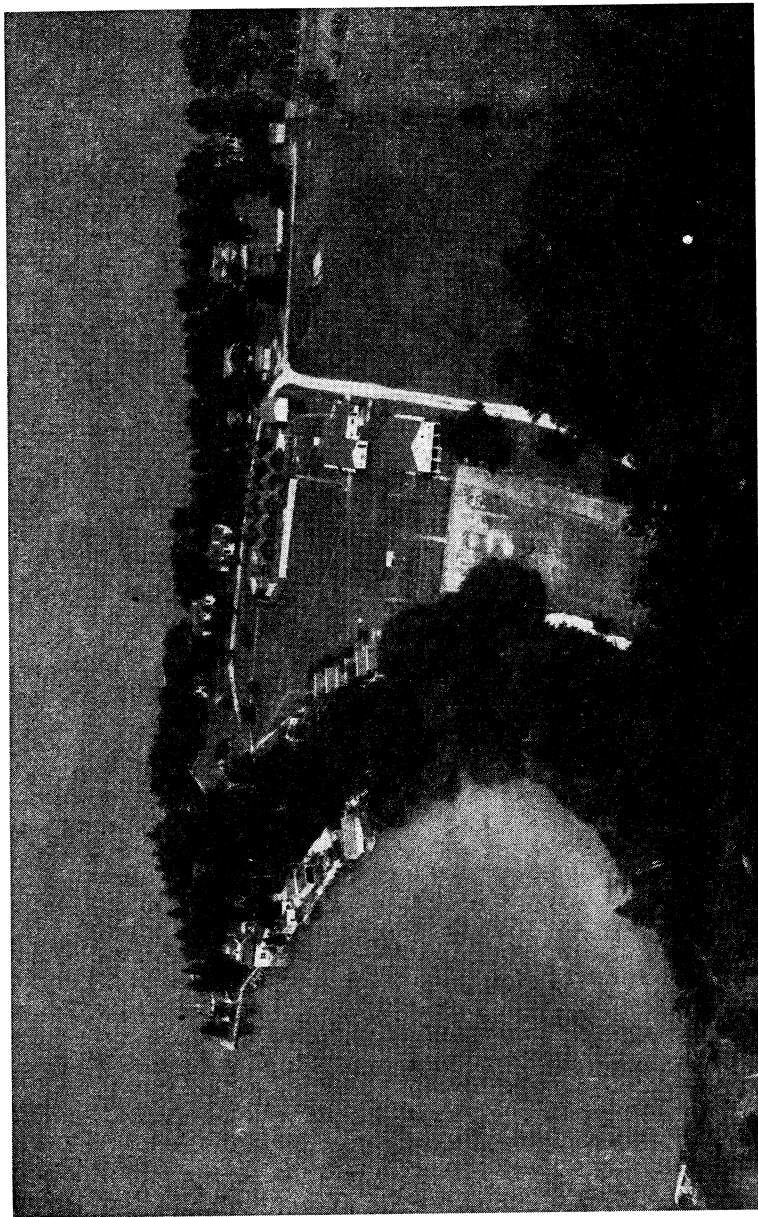
Swimming and modern dancing throughout two semesters, hockey, softball, speedball, tennis, volleyball, golf, and archery in the first semester, basketball, badminton, bowling, group games and exercises, folk dancing, and tap dancing in the second semester are open to all women students physically able to engage in them. Interclass and intramural competition in various sports is provided for through the Women's Athletic and Women's Intramural Associations, respectively. This work is closely supervised by staff members. Special effort is made to interest every student in some sport.

Regulation gymnasium and swimming suits are procured in Bloomington. Suits should not be purchased before consulting the Director.

Physical education facilities for women include three gymnasias, an individual gymnastics room, a swimming pool, two classrooms, lockers and dressing-rooms with showers, and athletic fields for hockey, speedball, volleyball, softball, golf, tennis, and archery.

* On leave of absence, second semester, 1947-48.

† On leave of absence, 1947-48.



Camp Brosius, belonging to Indiana University, at Elkhart Lake, Wisconsin, is used for intensive training of future recreation leaders.

The program is offered on a semester basis, including two semesters of outdoor activities and one semester of indoor activities. Emphasis is placed upon a medical examination by the University Physician at the beginning of the college year before enrollment. Students are encouraged to make a re-check on their physical conditions with the physician before enrolling in new semesters of activity. Work offered throughout the year includes a graded program of vigorous, moderate, and adapted activities, and special classes for posture, foot, and other individual needs in connection with adapting the program to the various capacities of the student body.

Interclass and intramural competition in various sports for women is provided for through the Women's Athletic Association. The work of this organization is closely supervised by members of the staff of Physical Education for Women. Special effort is made to interest every student in some sport.

DEPARTMENT OF PHYSICAL EDUCATION FOR MEN

Assistant Professors WAKEFIELD (Chairman), SLATER-HAMMEL; Instructors BUCHER, ROYER,* RYSER, DECKARD,*† ENDWRIGHT, MCCREARY,* ZARZA.‡

All Junior Division men, unless excused, are required to take physical education work two days a week (one hour of nonacademic credit each semester). This work is primarily recreational in character, although some work of a developmental nature is included.

The directors of the work in physical education aim to develop organic power which is the basis of vitality and the prerequisite to physical and mental education; to secure and maintain a harmonious muscular development; to provide an incentive and an opportunity for every student to secure physical recreation as a balance to the sedentary demands of University life; to conserve the social and moral values of games and sports; to establish high ideals and efficient administration of athletics; to qualify men for expert service in conducting physical education, play, and athletics on playgrounds, and in public schools, colleges, Y.M.C.A.'s, and community centers.

In addition to the required courses of the Freshman year, undergraduate men enrolled 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.

The Men's Gymnasium has a playing floor 160 by 90 feet, a swimming pool 30 by 88 feet, three handball courts, wrestling room, trophy room, and spacious locker and shower-rooms. A large Fieldhouse adjoins the gymnasium. The Fieldhouse is 200 feet wide and 300 feet long. Through the cooperation of the Athletics staff the Physical Education Department has the use of indoor facilities at times other than varsity practice hours.

The outdoor space reserved exclusively for physical education is augmented by the use of the baseball field, track, and men's tennis courts, when not in use by varsity squads.

* Half-time.

† Resigned December 31, 1947.

‡ Second semester, 1947-48; resigned March 15, 1948.

DEPARTMENT OF RECREATION

Associate Professor EPPLEY (Acting Chairman); Assistant Professors SCHLAFER, CARLSON; Part-time Instructor FEMAL.

Indiana University, through its School of Health, Physical Education, and Recreation, has recognized the need for recreational training and training for leisure. Courses are offered leading towards degrees of B.S., M.S., Director of Recreation, and Doctor of Recreation. The School draws on the schools or departments of Fine Arts, Speech, Music, Journalism, Botany, Sociology, the Audio-Visual center, and other 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 wish to qualify for recreation employment and of other students who desire a background of culture and skills which will enable them to render distinct contributions to community life.

Majors in recreation are provided recreational experience in the local municipal recreation program through an arrangement by which the local director of municipal recreation serves also as a member of the staff of the School of Health, Physical Education, and Recreation. Additional opportunities for recreation are afforded on the University campus, at Camp Brosius on beautiful Elkhart Lake in Wisconsin, in the nearby state forests of Yellowwood and Morgan-Monroe, and in the nationally renowned state parks of Brown County, McCormick's Creek, and Spring Mill.

In addition to its campus recreation training program, Indiana University, through its School of Health, Physical Education, and Recreation, serves the entire state of Indiana by providing, without charge, a field recreation consultation service to state parks, cities, and schools.

BUREAU OF SERVICE AND RESEARCH

Director and Associate Professor BOOKWALTER.

The chief functions of such a department is as follows:

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 if desirable: (a) equipment and supplies; (b) building materials; (c) stadium plans; (d) layouts for playgrounds and out-door 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, list of visual aids in the various fields of work in the School, and approved references in the various fields.

4. To secure consignments of standard tests and similar materials in the various fields of the School to sell to people interested out in the state.

Courses in the School of Health, Physical Education, and Recreation, 1948-49

Courses marked with one asterisk are open to men only; two asterisks, women only; no asterisks, both men and women.

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

The course is primarily recreational, although there is some work of a developmental nature. Required of all men in the Junior Division unless exempted.

**101. Volleyball. (1 cr.)

*102. 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.

**103. Modern Dance. (1 cr. each semester.)

103Sp. Modern Dance. (1 cr.)

Open to both men and women who are seriously interested in advanced techniques in modern dance and in doing original work in dance composition under direction.

**104. Adapted Activities. (1 cr. each semester.)

Required of all undergraduates who need individual attention.

*105. Elective Physical Education Activities for Men. (1 to 2 cr.)

Participation in selected game activities of a varied nature, with the purpose of affording abundant, yet safe, exercise.

**106. Group Games and Exercises. (1 cr.)

**106Sp. Individual Gymnastics. (1 cr.)

Required of all undergraduates who need individual attention.

**107. Speedball. (1 cr.)

108. Nature and Practice of Play. (2 cr.)

For men and women. Required for the four-year Elementary Teacher Training course, and of those taking a major or desiring a license 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, incentives.

**109. Graded Games. (1 cr.)

Required of candidates for an elementary school license.

**110. Swimming. (1 cr.)

**111. Tennis. (1 cr.)

**112. Golf. (1 cr.)

**113. Recreation Games. (1 cr.)

114. Youth Agencies. (a) Boy Scouts. (b) Campfire Girls. (c) Girl Scouts. (d) 4-H Clubs. (e) Boys' Clubs. (1 cr. for each section, but no student may receive credit for more than two sections.)

Consideration is given to the nature and purpose of the organization; methods of organization; membership; activities and extent of program; national office, fees, officials, and publications. Practical experience in a number of phases will be stressed. Open to men and women.

**115. Basketball. (1 cr.)

**116. Hockey. (1 cr.)

117. Recreational Crafts. (Credit arranged.)

Handcraft suitable for the playground, camp and community centers; clay modeling, carving, weaving, braiding, etching, wood-working, reed and raffia, wood burning, toy making, linoleum cutting and printing, leather stamping, serpentine modeling, making of masks, etc. Open to men and women.

**118. Softball. (1 cr.)

**119. Archery. (1 cr.)

**121. Graded Rhythmic Activities. (1 cr.)

Required of candidates for an elementary school license.

122. Honorary Athletic Fraternity: Sigma Delta Psi.

A national fraternity requiring successful completion of an all-round performance on a variety of physical tests. Comparable in the field of physical performance to Phi Beta Kappa in the field of intellectual superiority. Certificate and key awarded on payment of fee after standards are met. Open to all men students.

**123. Horseback Riding. (1 cr.)

**124. Bowling. (1 cr.)

**125. Social Dancing. (1 cr.)

**126. Folk Dancing. (1 cr. each semester.)

**127. Tap Dancing. (1 cr. each semester.)

**128. Badminton. (1 cr.)

*134. 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.

*135. 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 coordination and counter maneuvers is emphasized throughout along with placing a premium on speed, skill, and leverage.

*136. Techniques of Minor Athletic Games. 136a. (1 cr.) 136b. (1 cr.)

The work will be largely practical; the following games will be played: speedball, touch football, soccer, volleyball, badminton, aerial dart, tetherball, handball, ping-

pong, codeball, softball, kick baseball, kick cricket, archery, field hockey, and many other vigorous games. Attention will be given to schedule-making and methods of determining championships.

*138. Natural Gymnastics and Apparatus Technique. 138*a*. (1 cr.)
138*b*. (1 cr.)

Stunts, tumbling, pyramids, and individual athletic events make up the activities. Squad procedure, pupil leadership, and safety methods are practiced and stressed. Exercises on the side and long horse, horizontal bar, parallel bars, flying rings, and spring board. Squad procedure, pupil leadership, and safety methods practiced and stressed.

*139. 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.

**140. Techniques of Stunts, Tumbling, and Gymnastics. (2 cr.)

**142. Gymnastics. (1 cr.)

**144. Rhythmic Analysis. (1 cr.)

**145. Camp Counselors' Training Course. (2 cr.)

190. First Aid. (2 cr.)

A lecture and demonstration course on first aid measures for wounds, hemorrhage, burns, freezing, sprains, dislocations, fractures, unconscious conditions, suffocation, and poisons, with the medical background for all procedures. Emphasis is placed on things not to do.

*199*a,b*. Freshman Major Activity Program. (2 cr.)

**203M. Modern Dance Composition. (1 cr.)

*204. Technique of Athletic and Clog Dancing. (1 cr.)

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

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

Open to men and women. This course is concerned with the historical development of physical education from primitive to modern times. The aims and objectives of modern physical education are emphasized with their application to present-day educational programs.

**206. Red Cross First Aid. (1 cr.)

207. Kinesiology. (3 cr.)

Prerequisite, Anatomy 114. Open to men and women. A study of the principles of human motion. Anatomical and mechanical analysis of everyday and physical education activities emphasized for the purpose of promoting normal physical development and improvement of performance.

221. Organization of Community Recreation. (2 cr.)

This course is concerned with the development of community-wide recreation programs; community organization for recreation; operation of playgrounds and community centers; the place of physical activities, social recreation, arts and crafts, music, drama, outing activities, pageants, and special events in the recreation program; and leadership and facility problems.

**222. Organization and Administration of Physical Education. (2 cr.)

Prerequisite, HPER 205.

****226. 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.

229. Physical Examinations and Corrective Exercises. (3 cr.)

Prerequisites, Anatomy 114 and Kinesiology (HPER 207). A study of normal and faulty postural conditions at various age levels; practice in giving physical examinations with interpretation of findings; organization of programs in physical education for the individual who is physiologically or orthopedically handicapped.

***230, 231. Football and Basketball. (3 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. The fundamentals of basket shooting, passing, ball handling and foot work; offense and defense psychology and strategy; the basketball season, tournament play, and coaching hints.

***232, 233. Baseball, Track and Field. (3 cr.)**

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

****235. Technique of Team Sports. (2 cr.)**

****236. Technique of Assisting. (2 cr.)**

****238. Techniques of Archery and Golf. (1 cr.)**

****239. Technique of Tap Dancing. (1 cr.)**

****240. Technique of Folk Dancing. (1 cr.)**

****241. Technique of Graded Games and Rhythms for Children. (1 cr.)**

****242. Technique of Modern Dancing. (1 cr.)**

****243. Rhythms for Children. (1 cr.)**

****244. Technique of Swimming. (1 cr.)**

****245. Technique of Advanced Tennis. (1 cr.)**

****246. Technique of Basketball. (1/2 cr.)**

****250. Advanced Technique. (6 cr.)**

***255. 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.

***299a,b. Sophomore Major Activity Program. (2 cr.)**

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

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

*330-333. Advanced Undergraduate Technique in Football, Basketball, Baseball, Track and Field. (Credit arranged.)

*334-339. Advanced Undergraduate Technique in Swimming, Wrestling, Minor Athletic Games, Floor Apparatus, and Rhythmics. (Credit arranged.)

*340. Physical Activity Conduct Technique. (a) Inside activities.
(b) Outside activities. (2 cr.)

Required of Seniors taking Option F for a teacher's license. Teaching experience on the college level with as varied a program of activities as the student schedule permits. The professional and required classes as well as the intramural program furnish experiences in officiating and teaching activities according to season.

350. Orientation to Flying. (1 cr.)

Emphasis in the course will be upon safety and safe operation of aircraft. It will include approximately seven hours of ground school and ten hours of flight training.

*390. Techniques of Conditioning and Bandaging for the Athletic Trainer. 390a. (2 cr.) 390b. (2 cr.)

*399a,b. Junior Major Activity Program. (2 cr.)

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

A consideration of the most appropriate content which should be included in high school health education courses. Sources of material are stressed. Public relations are studied. For Senior majors in physical welfare training. Open to Juniors by special permission.

443. 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. For Seniors taking a major in physical education.

444. 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. For Seniors taking a major in physical education.

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

450. Content Materials in Safety Education. (2 cr.)

A course for secondary school teachers covering all phases of school safety education—home, occupational, recreational, and transportational. Includes a study of the well-organized school safety program, its administration and organization. Much of the course is on an activity basis.

*499a,b. Senior Major Activity Program. (2 cr.)

Teachers' Courses†

Education 226P.Ed. Student Teaching of Elementary School Physical Education. (3 cr.)

† For prerequisites and descriptions of these courses, see the Bulletin of the School of Education.

Education 322P.Ed. The Teaching of High School Physical Education. (2 cr.)

Education 322H.S. The Teaching of High School Health and Safety. (2 cr.)

Education 426P.Ed. Student Teaching in High School Physical Education. (3 to 6 cr.)

Graduate Courses

538. 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.

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

The course explains in nature and purpose, 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.

541. 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.

542. The Physical Education Curriculum. (2 cr.)

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

543. Supervision in Physical Education. (2 cr.)

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

544. 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 school administrator.

545. 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.

546. Problems in Physical Examinations and Corrective Exercises. (3 cr.)

Deals with educational procedures in regard to public school children with physical defects. Analyzes the health examination in regard to scope, function, personnel, relationships, and results, and discusses restrictions in the school program for individuals on the basis of this examination. Prerequisite, HPER 229 or its equivalent.

547. Advanced Theory of Training Competitive Athletes. (3 cr.)

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. Prerequisite, practical coaching experience.

548. Administration of Competitive Athletics. (2 cr.)

Covers the history of competitive athletics in the United States, the administrative controls that have arisen, and the methods of administering all aspects of competitive athletics in colleges and universities.

549. 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.

✓ 550. Organization of Safety Education. (2 cr.)

A course for teachers and administrators covering the nature, scope, materials, methods, organization, and administration of school safety education. Much of the course is on an activity basis.

551. 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.

552. 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.

553. Public Relations. (2 cr.)

The use of newspapers, radio, films, exhibits, correspondence, public talks, reports, charts, office courtesies, facility atmosphere and handling complaints in the development of public relations programs.

554. 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.

561. Health Education Test Construction. (2 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.

571. School Health Surveys. (2 cr.)

Deals with techniques and standards used in making surveys of school health policies, health service, and health education.

577. Advanced Tests and Measurements 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 some ability to apply the theory involved.

587. 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.

645. Recreation Surveys. (3 cr.)

Study of community surveys; evolving standards, interpretation and presentation of data; and development of program plans based on survey data.

648. Organization and Administration of Intramural Athletics. (2 cr.)

History, present status, and objectives of the intramural movement; administration, 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.

649. Community Centers, Fieldhouses, and Their Programs. (2 cr.)

A study of typical centers and fieldhouses; mandatory and permissive state statutes and local ordinances bearing on their operation; administration, facilities, activities, and agencies; rules and regulations; and social, educational, and civic recreational programs. Also includes practical work in recreational crafts and social recreation.

687. 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.

690. Field Problems. (Credit arranged.)

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

715. Seminar in Health. (Credit arranged.)

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

716. Seminar in Physical Education. (Credit arranged.)

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

717. Seminar in Recreation. (Credit arranged.)

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

740. Thesis Problems. (3 cr.)

Open to Doctor's candidates or to graduates writing a Master's thesis. Research methods, techniques, and problems will be critically analyzed by and for the group.

745. Research in Health Education. (Credit arranged.)

746. Research in Physical Education. (Credit arranged.)

747. Research in Recreation. (Credit arranged.)

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

Course Changes

New undergraduate courses: 391, Instruction in Athletic Training Problems, 2 cr.; 292a,b, Orientation in Athletic Training, 6 cr.; 392a,b, Laboratory Practice in Athletic Training, 6 cr.; 492a,b, Advanced Techniques in Athletic Training, 6 cr. *New graduate courses:* 522, Problems in Content and Method in Health Education, 2 cr.; 555, Facilities for Physical Education, Recreation, Health, and Safety, 3 cr.; 560, Problems of Driver Training and Testing, 2 cr.; 581, Health Education Curriculum, 3 cr.; 591, School and Community Health Workshop, 3 cr. *Change of title of undergraduate courses:* 106, Conditioning Exercises; 241, Technique of Games for Elementary Schools; 243, Technique of Rhythms for the Elementary School.

