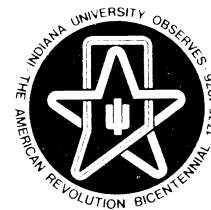
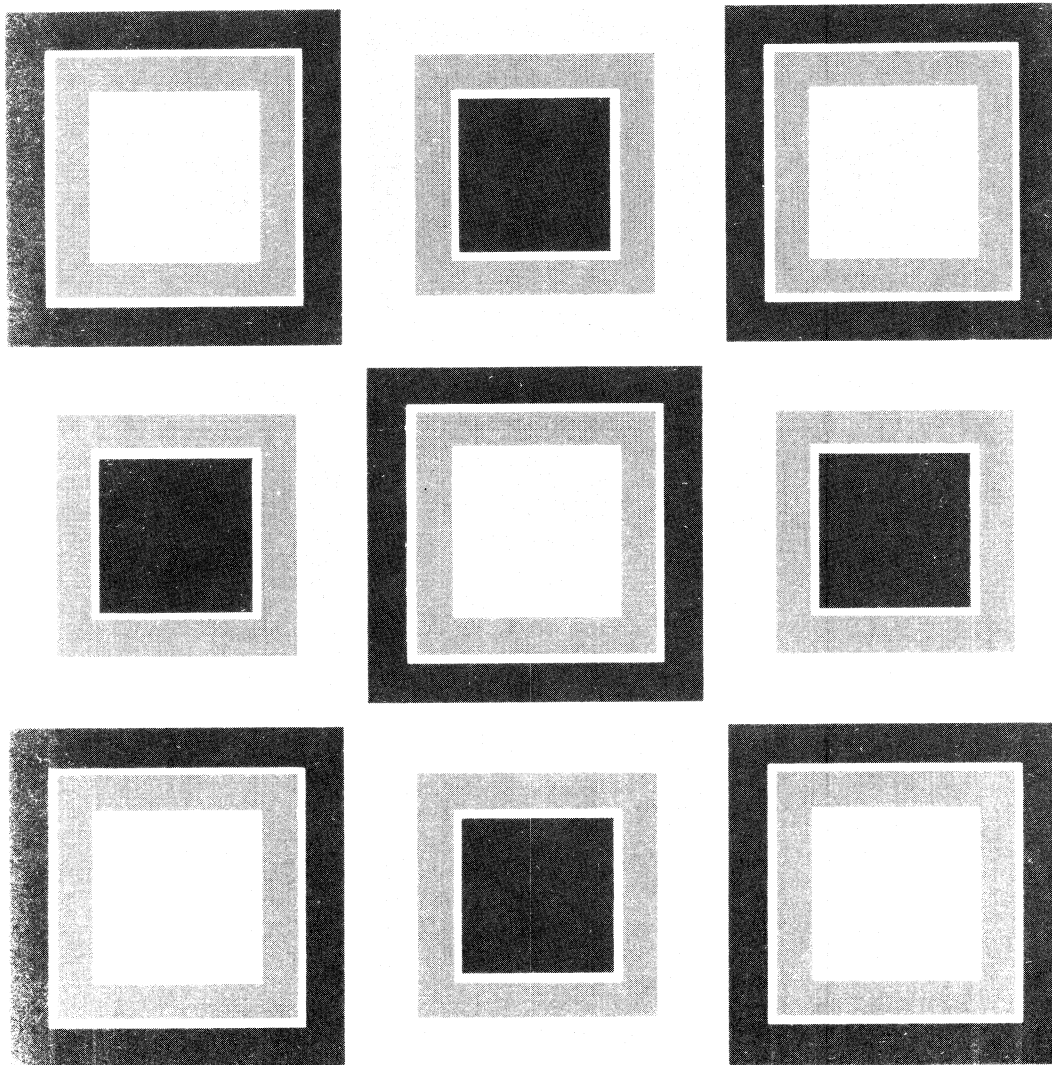


# School of Health, Physical Education, and Recreation



Indiana University Bulletin • Bloomington • 1976/77



INDIANA UNIVERSITY

*Academic Programs in*

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

Bulletins for the divisions of the University marked (★) above may be obtained from the Office of Records and Admissions, Student Services Building, Indiana University, Bloomington, Indiana 47401. (Please note that there are two Indiana University Schools of Law, and be sure to specify whether you want a bulletin of the Bloomington or the Indianapolis School.)

Write directly to the individual regional campus for its bulletin.

---

\* Two bulletins are issued: graduate and undergraduate.

† Brochures on the Independent Study Division, Bureau of Public Discussion, Labor Education and Research Center, and Real Estate Continuing Education Programs are available from this School (Owen Hall).

‡ Information concerning programs of the Division of General and Technical Studies may be obtained from the Division office, 317 East Second Street, Bloomington, Indiana 47401.

SCHOOL OF HEALTH,  
PHYSICAL EDUCATION, AND RECREATION  
BLOOMINGTON

INDIANA UNIVERSITY BULLETIN 1976-77

## ADMINISTRATIVE OFFICERS

### Indiana University

JOHN W. RYAN, Ph.D., President of the University  
HERMAN B WELLS, A.M., LL.D., Chancellor of the University  
W. GEORGE PINNELL, D.B.A., Executive Vice-President of the University  
ROBERT M. O'NEIL, LL.B., Vice-President (Bloomington)  
GLENN W. IRWIN, JR., M.D., Vice-President (Indianapolis)  
EDGAR G. WILLIAMS, D.B.A., Vice-President for Administration  
JOHN D. MULHOLLAND, M.B.A., Treasurer of the University  
VICTOR M. BOGLE, Ph.D., Chancellor of Indiana University at Kokomo  
EDWIN W. CROOKS, D.B.A., Chancellor of Indiana University Southeast  
FREDERICK A. GROHSMEYER, Ph.D., Director of Indiana University East  
DANILO ORESCANIN, D.B.A., Chancellor of Indiana University Northwest  
DONALD SCHWARTZ, Ph.D., Chancellor of Indiana University - Purdue University at Fort  
Wayne  
LESTER M. WOLFSON, Ph.D., Chancellor of Indiana University at South Bend

### Bloomington Campus

VICE-PRESIDENT ROBERT M. O'NEIL  
MARGARET JEAN PETERSON, Ph.D., Acting Dean of the Faculties  
WARD B. SCHAAP, Ph.D., Acting Vice-Chancellor of Administration and Budgetary  
Planning  
HARRISON SHULL, Ph.D., Vice-Chancellor for Research and Development  
HERMAN C. HUDSON, Ph.D., Vice-Chancellor for Afro-American Affairs  
THOMAS C. SCHRECK, Ed.D., Dean of Students  
JESSIE LOVANO-KERR, Ph.D., Dean of Women's Affairs  
THEODORE R. JONES, A.B., Business Manager  
DAN HOPSON, LL.M., Associate Dean of Faculties  
RICHARD L. TURNER, Ph.D., Associate Dean for Research and Development  
GEORGE SPRINGER, Ph.D., Associate Dean for Research and Development  
PHYLLIS KLOTMAN, Ph.D., Acting Affirmative Action Officer  
WARREN W. SHIREY, M.S., Registrar, and Director of Records and Admissions

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

ANITA ALDRICH, Ed.D., Acting Dean  
JOHN M. COOPER, Ed.D., Associate Dean  
JAMES J. BELISLE, P.E.D., Assistant Dean  
PAUL DIETZEL, Director of Athletics

## INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

---

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

---

Vol. LXXIII, No. 19 Bloomington, Indiana Sept. 30, 1975

---

# Calendar, Bloomington Campus

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

## First Semester

|                                                                                                   | 1975-76                         | 1976-77                         |
|---------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|
| New student orientation and counseling (for University Division, transfer, and graduate students) | Aug. 19, T, 9 a.m.              | Aug. 18, W, 9 a.m.              |
| Registration and counseling                                                                       | Aug. 20, 21, 22, 23; W, R, F, S | Aug. 19, 20, 21, 23; R, F, S, M |
| Classes begin                                                                                     | Aug. 25, M, 7:30 a.m.           | Aug. 25, W, 7:30 a.m.           |
| Labor Day                                                                                         | Sept. 1, M, classes meet        | Sept. 6, M, classes meet        |
| Midterm reports due                                                                               | Oct. 17, F, 5 p.m.              | Oct. 15, F, 5 p.m.              |
| Thanksgiving recess begins (after last class)                                                     | Nov. 25, T                      | Nov. 23, T                      |
| Classes resume                                                                                    | Dec. 1, M, 7:30 a.m.            | Nov. 29, M, 7:30 a.m.           |
| Classes end                                                                                       | Dec. 13, S                      | Dec. 10, F                      |
| Departmental exams begin                                                                          | Dec. 15, M, 7:45 a.m.           |                                 |
| Departmental exams end                                                                            | Dec. 17, W, 5:15 p.m.           |                                 |
| Final exams begin                                                                                 |                                 | Dec. 13, M                      |
| Final exams end                                                                                   |                                 | Dec. 18, S                      |

## Second Semester

|                                                                                                   |                              |                             |
|---------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|
| New student orientation and counseling (for University Division, transfer, and graduate students) | Jan. 6, T, 9 a.m.            | Jan. 4, T, 9 a.m.           |
| Registration and counseling                                                                       | Jan. 7, 8, 9, 10; W, R, F, S | Jan. 5, 6, 7, 8; W, R, F, S |
| Classes begin                                                                                     | Jan. 12, M, 7:30 a.m.        | Jan. 10, M, 7:30 a.m.       |
| Midterm reports due                                                                               | March 5, F, 5 p.m.           | March 4, F, 5 p.m.          |
| Spring recess begins (after last class)                                                           | March 20, S                  | March 19, S                 |
| Classes resume                                                                                    | March 29, M, 7:30 a.m.       | March 28, M, 7:30 a.m.      |
| Founders Day*                                                                                     | April 21, W                  | April 20, W                 |
| Classes end                                                                                       | May 1, S                     | April 29, F                 |
| Departmental exams begin                                                                          | May 3, M, 7:45 a.m.          |                             |
| Departmental exams end                                                                            | May 5, W, 5:15 p.m.          |                             |
| Final exams begin                                                                                 |                              | May 2, M                    |
| Final exams end                                                                                   |                              | May 7, S                    |
| Commencement                                                                                      | to be announced              | to be announced             |

## Summer Sessions, 1976

### First Summer Session (6 weeks)

|                       |            |
|-----------------------|------------|
| <i>May 10-June 17</i> |            |
| Counseling            | May 10, M  |
| Registration          | May 10, M  |
| Classes begin         | May 11, T  |
| Classes end           | June 17, R |

### Intensive Session I

|                  |           |
|------------------|-----------|
| <i>May 10-27</i> |           |
| Counseling       | May 10, M |
| Registration     | May 10, M |
| Classes begin    | May 11, T |
| Classes end      | May 27, R |

### Intensive Session II†

|                  |            |
|------------------|------------|
| <i>June 4-19</i> |            |
| Counseling       | June 4, F  |
| Registration     | June 4, F  |
| Classes begin    | June 5, S  |
| Classes end      | June 19, S |

### Second Summer Session (8 weeks)

|                          |                   |
|--------------------------|-------------------|
| <i>June 18-August 13</i> |                   |
| Counseling               | June 18, 19; F, S |
| Registration             | June 18, 19; F, S |
| Classes begin            | June 21, M        |
| Independence Day recess  | July 5, M         |
| Classes end              | Aug. 13, F        |

### Intensive Session III

|                         |            |
|-------------------------|------------|
| <i>June 21-July 8</i>   |            |
| Classes begin           | June 21, M |
| Independence Day recess | July 5, M  |
| Classes end             | July 8, R  |

### Intensive Session IV‡

|                   |            |
|-------------------|------------|
| <i>July 12-27</i> |            |
| Classes begin     | July 12, M |
| Classes end       | July 27, T |

### Intensive Session V

|                          |            |
|--------------------------|------------|
| <i>July 28-August 13</i> |            |
| Classes begin            | July 28, W |
| Classes end              | Aug. 13, F |

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

† Three Saturday class meetings necessary in this session.

‡ One Saturday class meeting necessary in this session.

# Contents

|                                                                                       | Page |
|---------------------------------------------------------------------------------------|------|
| INDIANA UNIVERSITY .....                                                              | 1    |
| Admission .....                                                                       | 2    |
| University Division .....                                                             | 2    |
| Fees .....                                                                            | 2    |
| Rules Determining Resident and Nonresident Student Status .....                       | 5    |
| Housing .....                                                                         | 7    |
| Academic Regulations .....                                                            | 7    |
| Overseas Study Programs .....                                                         | 9    |
| Activities .....                                                                      | 10   |
| Student Services .....                                                                | 11   |
| School of Health, Physical Education, and Recreation .....                            | 12   |
| DEPARTMENTS IN THE SCHOOL OF HEALTH, PHYSICAL EDUCATION,<br>AND RECREATION .....      | 14   |
| GRADUATE DIVISION .....                                                               | 16   |
| General Requirements for Advanced Degree .....                                        | 16   |
| Master of Science Degree .....                                                        | 17   |
| Master of Public Health in Health Education .....                                     | 19   |
| Health Coordinator Certificate .....                                                  | 19   |
| Director's Degree .....                                                               | 19   |
| Doctor's Degree .....                                                                 | 21   |
| Doctor's Degree Special Requirements .....                                            | 23   |
| UNDERGRADUATE DIVISION .....                                                          | 26   |
| Special Requirements and Restrictions .....                                           | 26   |
| SUGGESTED CURRICULA .....                                                             | 27   |
| Physical Education Major for Women .....                                              | 27   |
| Physical Education Major for Men .....                                                | 28   |
| Health and Safety Major Men and Women .....                                           | 29   |
| Recreation Major .....                                                                | 30   |
| Dance Major .....                                                                     | 31   |
| Physical Education Area Major for Women .....                                         | 32   |
| Athletic Training Emphasis .....                                                      | 33   |
| COURSES IN THE SCHOOL OF HEALTH, PHYSICAL EDUCATION,<br>AND RECREATION, 1976-77 ..... | 34   |
| Athletics .....                                                                       | 34   |
| Health Education .....                                                                | 35   |
| Physical Education for Men .....                                                      | 37   |
| Physical Education .....                                                              | 38   |
| Recreation and Park Administration .....                                              | 40   |
| Safety Education .....                                                                | 43   |
| Technical Courses .....                                                               | 44   |
| Physical Education for Women .....                                                    | 44   |
| Education Courses .....                                                               | 46   |
| FACULTY OF THE SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND<br>RECREATION, 1975-76 ..... | 47   |
| ALUMNI ASSOCIATION .....                                                              | 51   |

# Indiana University

---

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

Indiana University is ranked tenth largest in the nation with an enrollment totaling nearly 77,000 on its eight state campuses and including students from all fifty states and many foreign countries. With a faculty exceeding 3,000, its more than 100 departments offer 5,000 courses of instruction.

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

## The Bloomington Campus

College of Arts and Sciences (includes the School of Journalism)  
School of Business  
School of Continuing Studies  
School of Education  
School of Health, Physical Education, and Recreation  
School of Law—Bloomington  
School of Music  
School of Optometry  
School of Public and Environmental Affairs  
Graduate School  
Graduate Library School  
University (Freshman) Division

## Indiana University - Purdue University at Indianapolis

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

## The Regional Campuses

Indiana University East (Richmond)  
Indiana University at Kokomo  
Indiana University Northwest (Gary)  
Indiana University at South Bend  
Indiana University Southeast (New Albany)  
Indiana University - Purdue University at Fort Wayne (IPFW)

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

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

The Indiana University library system contains more than 8,000,000 items. Comprising this system are the University Library; the Lilly Library, with its valuable collections of rare books and manuscripts; libraries at each of the regional campuses; school and departmental libraries; and collections at housing units in the Halls of Residence.

## ADMISSION TO THE UNIVERSITY

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

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

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

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

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

Applications may be filed after completion of the junior year in high school. Transfer applicants may apply during the school year preceding proposed entry. Closing dates for applications are December 1 for second semester, April 15 for summer sessions, and July 1 for first semester. An application fee of \$15 is required of each applicant. All questions concerning admission should be directed to the Office of Admissions, Student Services Building, Bloomington, Indiana 47401.

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

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

## FEES

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

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

**Basic Costs.** Expenses for an undergraduate Indiana resident attending Indiana University, Bloomington, for an academic year, including in-state semester fees, housing (room and board) and books and supplies, total approximately \$1,950. Expenditures for clothing, travel, entertainment, and personal items are not included in this estimate.

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

| Undergraduates           | Benefits                     | Graduates          |
|--------------------------|------------------------------|--------------------|
| 12 hours or more .....   | full benefits .....          | 12 hours or more   |
| 9 through 11 hours ..... | $\frac{3}{4}$ benefits ..... | 9 through 11 hours |
| 6 through 8 hours .....  | $\frac{1}{2}$ benefits ..... | 6 through 8 hours  |
| fewer than 6 hours ..... | tuition only .....           | fewer than 6 hours |

For further information consult the Veteran Benefits Office in the Student Services Building.

### Fee Schedule, 1976-77

#### Bloomington Campus

#### FEES SUBJECT TO CHANGE BY ACTION OF THE TRUSTEES OF INDIANA UNIVERSITY

#### FIRST AND SECOND SEMESTERS

|                                                                           | Indiana Resident                                                                  | Nonresident   |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|
| Undergraduate* (12-17 hours†) .....                                       | \$361/sem.                                                                        | \$820/sem.    |
| Undergraduate* (1-11 hours) .....                                         | \$ 31/cr. hr.                                                                     | \$ 69/cr. hr. |
| Graduate School (includes School of Law and<br>School of Optometry) ..... | \$ 31/cr. hr.                                                                     | \$ 69/cr. hr. |
| Auditing (no credit) .....                                                |                                                                                   | \$10/hr.      |
| Special fees (in addition to basic fees)                                  |                                                                                   |               |
| Applied music‡ .....                                                      |                                                                                   | \$35/sem.     |
| Student teaching .....                                                    |                                                                                   | \$50          |
| Late enrollment or re-enrollment .....                                    |                                                                                   | \$25          |
| Special examination .....                                                 |                                                                                   | \$5 to \$11   |
| Bowling, golf, horsemanship .....                                         | (payment made to bowling alley, golf<br>course, or academy for use of facilities) |               |
| Transcripts (after first) .....                                           |                                                                                   | \$2           |
| Deposits (to cover loss or breakage)                                      |                                                                                   |               |
| ROTC .....                                                                |                                                                                   | \$10          |
| Band .....                                                                |                                                                                   | \$5           |
| Singing Hoosiers .....                                                    |                                                                                   | \$5           |

\* Includes Evening Division and Special Students.

† An additional charge is made at the appropriate credit-hour rate for each credit hour taken in excess of 17.

‡ Persons desiring applied music who are not regularly working toward a degree will be charged \$150 per applied music course. Nonmusic majors will be charged \$35 for each applied music course.

|                                                                                     |                                                                       |                                                                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Rentals                                                                             |                                                                       |                                                                                                                           |
| Music instruments .....                                                             |                                                                       | Contact School of Music about fees charged for each hour of daily use per semester. Rates vary with specific instruments. |
| Practice room .....                                                                 |                                                                       | \$3 a semester for each hour of daily use                                                                                 |
|                                                                                     | (above practice room rental not charged if applied music fee is paid) |                                                                                                                           |
| Lockers                                                                             |                                                                       |                                                                                                                           |
| Woodburn Hall, Law Building, Ballantine Hall, Music Building, and Business Building |                                                                       | \$5 deposit, \$1 to \$1.50 rent deducted a semester                                                                       |
| HPER Building (for persons not enrolled in HPER courses for credit) .....           |                                                                       | \$3 per semester                                                                                                          |
| Special Health Service Fee (optional) .....                                         |                                                                       | \$7 or \$15 per semester                                                                                                  |
| Independent Study (Correspondence)                                                  |                                                                       |                                                                                                                           |
| Residents and Nonresidents                                                          |                                                                       |                                                                                                                           |
| Undergraduate courses .....                                                         |                                                                       | \$21/cr. hr.                                                                                                              |
| Graduate courses .....                                                              |                                                                       | \$26/cr. hr.                                                                                                              |

### Fee Refund Schedule, 1976-77

#### Bloomington Campus

#### FIRST AND SECOND SEMESTERS

|                                               |                                  |
|-----------------------------------------------|----------------------------------|
|                                               | <b>Refund for Withdrawal</b>     |
| First week, or through Drop and Add Day ..... | 100%                             |
| Second and third weeks .....                  | 50% or all                       |
|                                               | except \$50, whichever is larger |
| Thereafter .....                              | none                             |

NOTE: If a student paying a flat fee for 12-17 credit hours makes a partial withdrawal, no refund will be made if the number of hours retained totals twelve or more. If the total retained is less than twelve, the number of hours for which a refund will be made will be determined by subtracting the number of hours retained from twelve (e.g., if a student enrolled in 14 hours withdraws from 6 hours and retains 8 hours, the refund schedule will apply for  $12 - 8 = 4$ ).

### Summer Sessions Fee Schedule, 1976

#### Bloomington Campus

| RATE PER CREDIT HOUR                                                   | Indiana Resident | Nonresident                                                                    |
|------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------|
| Undergraduate* .....                                                   | \$31             | \$69                                                                           |
| Graduate School (includes School of Law and School of Optometry) ..... | \$31             | \$69                                                                           |
| Slavic Workshop .....                                                  | \$31             | \$31                                                                           |
| Geologic Field Study .....                                             | \$31             | \$31                                                                           |
| Special Fees (in addition to basic fees)                               |                  |                                                                                |
| Applied music .....                                                    | \$17.50          |                                                                                |
| Student teaching .....                                                 | \$50             |                                                                                |
| Special examination .....                                              | \$5 to \$11      |                                                                                |
| Bowling, golf, horsemanship .....                                      |                  | (payment made to bowling alley, golf course, or academy for use of facilities) |
| Transcripts (after first) .....                                        |                  | \$2                                                                            |

### Summer Sessions Fee Refund Schedule, 1976

#### Bloomington Campus

|                                                                   |      |
|-------------------------------------------------------------------|------|
| <b>For Intensive Sessions</b> (courses 13 class days in duration) |      |
| Withdrawal before second class .....                              | 100% |
| Withdrawal before third class .....                               | 50%  |
| Thereafter .....                                                  | none |

\* Includes Evening Division and Special Students.

| Regular Sessions (courses 6 to 8 weeks in duration) | Refund for Withdrawal            |
|-----------------------------------------------------|----------------------------------|
| First week, or until Drop and Add Day .....         | 100%                             |
| Second week .....                                   | 50% or all                       |
|                                                     | except \$50, whichever is larger |
| Thereafter .....                                    | none                             |

**Fee Refund Procedure.** Students may obtain refunds by applying to the Bloomington Registrar's Office when they withdraw from classes.

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

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

These Rules took effect February 1, 1974; provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by these Rules, if he or she attended the University before that date and while he or she remains continuously enrolled in the University.

1. "Residence" as the term, or any of its variations (*e.g.*, "resided"), is used in the context of these Rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.
  - (a) A person entering the state from another state or country does not at that time acquire residence for the purpose of their Rules, but, except as provided in Rule 2(c), such person must be a resident for twelve (12) months in order to qualify as a resident student for fee purposes.
  - (b) Physical presence in Indiana *for the predominant purpose* of attending a college, university, or other institution of higher education, shall not be counted in determining the twelve (12) month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.
2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least twelve (12) consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the University, subject to the exception in (c) below.
  - (a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.
  - (b) If such person comes from another state or country for the predominant purpose of attending the University, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.
  - (c) Such person may be classified as a resident student without meeting the twelve (12) month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."
  - (d) When it shall appear that the parents of a person properly classified as a "resident student" under subparagraph (c) above have removed their residence from Indiana, such person shall then be reclassified to the status of nonresident; provided, that no such reclassification shall be effective until the beginning of a semester next following such removal.
  - (e) A person once properly classified as a resident student shall be deemed to remain a resident student so long as remaining continuously enrolled in the University until such person's degree shall have been earned, subject to the provisions of subparagraph (d) above.
3. The foreign citizenship of a person shall not be a factor in determining resident student status if such person has legal capacity to remain permanently in the United States.

4. A person classified as a nonresident student may show that he or she is exempt from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see Rule 1 above) of Indiana for the twelve (12) months prior to the first scheduled day of classes of the semester in which his or her fee status is to be changed. Such a student will be allowed to present his or her evidence only after the expiration of twelve (12) months from the Residence Qualifying Date, *i.e.*, the date upon which the student commenced the twelve (12) month period for residence. The following factors will be considered relevant in evaluating a requested change in a student's nonresident status and in evaluating whether his or her physical presence in Indiana is for the predominant purpose of attending a college, university, or other institution of higher education. The existence of one or more of these factors will not require a finding of resident student status, nor shall the nonexistence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by sojourners in the state or which are merely auxiliary to the fulfillment of educational purposes.
  - (a) The residence of a student's parents or guardians.
  - (b) The situs of the source of the student's income.
  - (c) To whom a student pays his or her taxes, including property taxes.
  - (d) The state in which a student's automobile is registered.
  - (e) The state issuing the student's driver's license.
  - (f) Where the student is registered to vote.
  - (g) The marriage of the student to a resident of Indiana.
  - (h) Ownership of property in Indiana and outside of Indiana.
  - (i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
  - (j) The place of the student's summer employment, attendance at summer school, or vacation.
  - (k) The student's future plans including committed place of future employment or future studies.
  - (l) Admission to a licensed profession in Indiana.
  - (m) Membership in civic, community, and other organizations in Indiana or elsewhere.
  - (n) All present and intended future connections or contacts outside of Indiana.
  - (o) The facts and documents pertaining to the person's past and existing status as a student.
  - (p) Parents' tax returns and other information, particularly when emancipation is claimed.
5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.
6. The Registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.
7. A Standing Committee on Residence shall be appointed by the President of the University and shall include two (2) students from among such as may be nominated by the student body presidents of one or more of the campuses of the University. If fewer than four are nominated, the President may appoint from among students not nominated.
8. A student who is not satisfied by the determination of the Registrar has the right to lodge a written appeal with the Standing Committee on Residence within 30 days of receipt of written notice of the Registrar's determination, which Committee shall review the appeal in a fair manner and shall afford to the student a personal hearing upon written request. A student may be represented by counsel at such hearing. The Committee shall report its determination to the student in writing. If no appeal is taken within the time provided herein, the decision of the Registrar shall be final and binding.
9. The Standing Committee on Residence is authorized to classify a student as a resident student, though not meeting the specific requirements herein set forth, if such student's situation presents unusual circumstances and the individual classification is within the general scope of these Rules. The decision of the Committee shall be final and shall be deemed equivalent to a decision of the Trustees of Indiana University.
10. A student or prospective student who shall knowingly provide false information or shall refuse to provide or shall conceal information for the purpose of improperly achieving resident student status shall be subject to the full range of penalties, including expulsion, provided for by the University, as well as to such other punishment which may be provided for by law.

11. A student who does not pay additional monies which may be due because of his or her classification as a nonresident student within 30 days after demand, shall thereupon be indefinitely suspended.
12. A student or prospective student who fails to request resident student status within a particular semester or session and to pursue a timely appeal (see Rule 8) to the Standing Committee on Residence shall be deemed to have waived any alleged overpayment of fees for that semester or session.
13. If any provision of these Rules or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of these Rules which can be given effect without the invalid provision or application, and to this end the provisions of these Rules are severable.

## HOUSING

The Halls of Residence system at Indiana University, recognized as outstanding among universities throughout the country, includes housing units for graduate, married, and single students.

Rates range from \$966 to \$1,561 an academic year for single housing and from \$67 to \$185 a month for married housing apartments or trailers. When requesting housing in the University Halls of Residence, the student must enclose a \$25 deposit with the application. The Halls of Residence Office is located at 801 North Jordan, Indiana University, Bloomington, Indiana 47401.

## ACADEMIC REGULATIONS

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

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

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

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

**Pass/Fail Option.** A student may enroll in one course per semester on the pass/fail option, providing the course is not in the student's major or minor field. The election of this option must be exercised by the student within the first three weeks of the semester. A grade of P is not counted in computing grade-point averages; a grade of F is included. A grade of P cannot be changed subsequently to a grade of A, B, C, or D.

**Withdrawals from Courses.** Withdrawals during the first three weeks of a semester or first two weeks of a summer session are automatically marked W. Withdrawals which would reduce a student's enrollment below 12 hours or interrupt his progress toward satisfaction of specific area requirements will not be authorized.

**Petitions for withdrawal after the periods specified above will not be authorized by the dean of a student's school except for urgent reasons related to extended illness or equivalent distress. The desire to avoid a low grade is not an acceptable reason for withdrawal from a course.**

If the student withdraws with the dean's consent, his mark in the course shall be W if he is passing at the time of withdrawal and WF if he is not passing. The grade will be recorded on the date of withdrawal. Failure to complete a course without authorized withdrawal will result in the grade F.

**Incompletes.** A grade of I is given only when the work of the course is substantially completed and when the student's work is of passing quality. When an Incomplete is assigned, a record must be maintained in the office of the department in which the grade was given. The record will include a statement of the reason for recording the Incomplete and an adequate guide for its removal, with a suggested final grade in the event of the departure or extended absence of the instructor from the campus.

A student must remove the Incomplete within one calendar year from the date of its recording, except that his dean may authorize adjustment of this period in exceptional circumstances. *If the student fails to remove the Incomplete within the time allowed, the dean will authorize the Office of Records and Admissions to change the grade to F.* Both the student and the instructor will be notified of this change in grade.

When the grade of Incomplete is given because the student missed the final examination, he will be allowed to remove the Incomplete by taking the examination only if he has the approval of the Committee on Absence and the instructor.

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

These regulations do not apply to research and reading courses in which completion of the work of the course is not necessarily required at the end of the semester. Once a student has graduated, nothing in these regulations shall prohibit the Incomplete from remaining on the record.

**Addition of Courses.** No course may be added by undergraduate students after the first two weeks of a regular session or one week in a summer session unless the instructor of the course petitions that an exception be made and the request is approved by the dean of the school in which the course is offered and the dean of the school in which the student is enrolled.

**Absences.** Officially confirmed illness is usually the only acceptable excuse for absence from class.

A student who misses a final examination and who has a passing grade up to that time is given temporarily a grade of Incomplete if the instructor has reason to believe the absence was beyond the student's control. The Office of the Dean of Students reviews excuses for absences from final examinations and notifies instructors of its decisions.

**Probation.** A student is placed on probation for the semester succeeding the one in which he fails to earn a C average. He remains on probation as long as he earns less than a C average in a given semester or has less than a cumulative C average.

**Dismissal.** At the discretion of the Scholarship and Probation Committee, a student may be dismissed from the School if he (1) makes less than a D average for a semester, (2) is more than nine credit points below a cumulative C average, or (3) is on probation for two consecutive semesters. In special cases a student who has been dismissed may petition the Committee for readmission.

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

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

**Confidentiality of Records.** Indiana University in compliance with the General Education Provisions Act, Section 438, titled Family Educational Rights and Privacy Act, provides that all student records are confidential and available only to that student

and the parents, if the student is under twenty-one and dependent as defined by IRS standards. The student may review his record upon request and may ask for deletions or corrections of the record in a hearing process described in detail in the *Statement of Student Rights and Responsibilities*. References, recommendations and other similar documents may carry a voluntary waiver relinquishing the student's right to review this specific material. The student may also release the record to others by signing a written release available in the offices which maintain records. Further details regarding the provisions of the "Privacy Act" and a list of offices where student records are kept may be found in the *Statement of Student Rights and Responsibilities* distributed at Fall registration or available in the Office of the Dean of Students.

## OVERSEAS STUDY PROGRAMS

### Indiana University Programs

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

### Other Study Abroad Programs

Overseas study programs sponsored by institutions and organizations other than Indiana University are of varying quality. University policy on the acceptability of transfer credit from such programs is as follows: 1) Transfer credit will be granted in accordance with usual Indiana University policy for credit earned in programs administered by a regionally accredited U.S. college or university, or by a foreign institution which is recognized by the Ministry of Education of the country as a university-level institution. 2) Transfer credit will similarly be granted for university-level course work completed at institutions or agencies which have been officially evaluated by Indiana University. (Students are encouraged to consult with Foreign Admissions Office, Room 019, Student Services Building, Bloomington campus, to determine which nonsponsored programs have been evaluated by Indiana University.) 3) Transfer credits may in certain cases be granted for university-level course work completed at certain non-accredited overseas institutions and agencies which have not been evaluated by Indiana University but for which an academic record with grades is issued, but the maximum quantity will be one Indiana University credit for each two semester hours of credit (or the equivalent) appearing on the transcript of the institution or agency. In many cases, despite the issuance of a transcript, no transfer credit will be granted. (Also check with the Foreign Admissions Office for programs in this category.) 4) No credit will be granted for work completed in programs for which no grades or transcripts are issued. NOTE: a) In all transfer cases, the quantity of credit awarded by Indiana University

will never exceed the number of credits which can be earned at an Indiana University campus in the same amount of time. b) Many courses which are completed in study abroad programs fall into a sequential pattern among Indiana University departmental offerings. Specific examples include language courses at various levels, applied music, music theory, mathematics, and natural sciences. In all cases where sequential-type courses are involved, the respective academic departments may at their discretion require examinations before any transfer credit is granted. c) In order to avoid misunderstandings, students who plan to participate in overseas study programs which are not sponsored by Indiana University are strongly urged to consult their major department(s) or school before making any commitment.

## ACTIVITIES

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

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

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

Homecoming, the Little 500 bicycle race and weekend, and the Christmas Madrigal Dinners are among the well-known yearly events at Indiana University.

Indiana University is a member of the Big Ten Conference and participates in football, baseball, basketball, golf, tennis, cross-country, track, swimming, wrestling, gymnastics, and soccer. The 52,354-seat Memorial Stadium, complete with artificial turf, and the new 16,666-seat Assembly Hall are supplemented by several sports fields, tennis and squash courts, swimming pools, golf courses, and other facilities.

Within the School of Health, Physical Education, and Recreation, the Division of Recreational Sports provides a broad spectrum of recreational sports. The program, which is open to all students, faculty, and staff, provides for varying degrees of competitive and noncompetitive sport and physical activity. Recreational sport activities are thus available to help satisfy the leisure time needs and interests of the University community.

Competitive programs provide for participation in highly organized and structured tournaments leading to all-campus championships. These same programs also provide competition with a minimum emphasis on winning. This is accomplished through five programming divisions: Women's Intramurals, Men's Intramurals, Special Events, Co-Intramurals, and Sport Clubs. Men's and Women's Intramurals provide a variety of team meets, individual, and dual sports. There are presently some twenty-two sports for men and fifteen for women. Special events, of which there are approximately eight each year, are usually uncommon sport contests designed for enjoyment resulting from expressed student interest. For those wishing to participate on mixed teams, the Co-Intramural program is provided. There are nine sports in this division. There are approximately nineteen sports clubs on campus, organized by those with a common sport interest in order to better represent that interest. Each club is organized and run independently, but group efforts can be coordinated through the Sports Club Federation. Opportunities are provided for interested persons to participate as officials, managers, and sport supervisors. Individuals may also become involved in the Sport Club Federation, the Intramural Governing Board, and the Student Recreational Sports Advisory Committee.

Following is a list of sport and physical activity areas that are offered through the different programs available in recreational sports: Aikido, Archery, Badminton, Basketball, Billiards, Bowling, Cageball, Cross Country, Fencing, Flag Football, Frisbee, Golf, Handball, Ice Hockey, Jogging, Judo, Karate, Kickball, Lacrosse, Racquetball, Rifle and Pistol, Rugby, Scuba, Soccer, Softball, Swimming, Table Tennis, Tae Kwon Do, Team Volleyball, Track and Field, Trap and Skeet, Volleyball, Water Polo, Weightlifting and Wrestling.

The great concert artists, ballet companies, Broadway plays, and musical shows appear at the Indiana University Auditorium. The School of Music presents more than 650 student and faculty concerts, recitals, operas, and ballets annually. The University Theatre and the Indiana Theatre Company offer a full season of plays, in addition to summer stock at Brown County Playhouse in nearby Nashville, Indiana.

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

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

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

For those interested in aspects of publication, positions are open on the *Indiana Daily Student*, the campus newspaper; *Arbutus*, the yearbook; and several creative writing magazines.

The YMCA sponsors religious, social, and service activities on campus and in the community. All Bloomington churches welcome students to their congregations, and many have special programs for them. Beck Chapel, near the center of campus, is open at all times and serves all faiths.

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

## STUDENT SERVICES

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

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

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

**Student Health Service.** Available to all regularly enrolled students on the Bloomington campus, the Health Service provides evaluation of the physical examinations required of new students, outpatient medical care, a psychiatric clinic for evaluation and short-term therapy, an environmental health and preventive medicine program, and assistance in the administration of the student group hospital insurance plan. For students enrolled in 7 or more credit hours, a prepaid fee of \$7 per semester entitles a student to most of these services. Those enrolled in less than 7 hours may prepay \$15 per semester. Those who do not prepay at the beginning of the semester (before Drop and Add day) may pay for services as provided according to a schedule of charges available at registration and throughout the year at the Student Health Center. The Health Center building has a 56-bed inpatient facility. Except for emergencies, students are seen only during clinic hours (8:00 until 11:30 a.m. Monday through Saturday and 1:00 until 4:30 p.m. Monday through Friday) by appointment and presentation of a current I.D. card.

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

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

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

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

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

## SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

The School of Health, Physical Education, and Recreation of Indiana University began official operation as an autonomous School of the University, July 1, 1946. The program of the School is a reorganized continuation of work of several agencies which

have been joined in this division of the University. The Normal College of the American Gymnastic Union began to train teachers of physical education in 1866—the first educational institution in America to perform this type of professional service. The Physical Welfare Training Department of the School of Education of Indiana University was an outgrowth of work in preparing teachers of physical and health education with the first graduates in this field receiving degrees in 1926. The School is presently comprised of the Departments of Athletic Professional Training, Health and Safety Education, Physical Education for Women, Physical Education for Men, Recreation and Park Administration, the Division of Recreational Sports, and the Graduate Division.

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

---

## DEPARTMENT OF ATHLETIC PROFESSIONAL TRAINING

**Director Dietzel; Professor Counsilman; Associate Professors Billingsley, Corso, Greer, Watson; Assistant Professors Andres, Bell, Blubaugh, Brown (J.), Dooley, Fitch, Knight; Instructors Albohm, Compise, Dal Sasso, Donewald, Gruden, Hicks, Hunter, Johnson, Lawrence, Otolski, Shands, Walters, Watts, Young; Lecturers Lewis, Schrader, Weltlich**

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

## DEPARTMENT OF HEALTH AND SAFETY EDUCATION

**Professors Loft, Ludwig (Chairman), Rash; Associate Professor Brennan; Assistant Professors Bowers, Crowe, Engs, Hackworth; Lecturer Wayne**

This Department is concerned primarily with the professional preparation of workers in the field of community health and safety education, school teachers at all levels, and teachers and administrators of school and college health and safety programs. The undergraduate and graduate major curricula lead to degrees in health and safety at the baccalaureate and graduate degree levels and in public health education at the master's degree level.

The Department seeks to serve students throughout the University through elective courses in first aid, personal health, and safety education, including driver education and firearm safety. The Center for Safety and Traffic Education, a division of this Department, provides appropriate services, both to the University community and to the citizens of the state of Indiana, through research, conferences, and institutes conducted in cooperation with interested agencies, schools, business, and/or industries.

## DEPARTMENT OF PHYSICAL EDUCATION FOR WOMEN

**Professors Aldrich (Chairman), Davies, Leyhe; Associate Professor Summers; Assistant Professors Burrus, Grotke, Hamm, Hope, Johnson, McAuley, Sherwin, Snygg; Instructors Cummins, Lucas; Lecturers Fox, Schulz, Winnes**

A wide variety of sports, dance, and aquatics is offered in the basic instructional program. Courses are based on two periods per week for one hour of credit each semester. Undergraduate women may elect a limited number of physical education courses for academic credit.

Activities offered include folk, square, social, and modern dancing; aquatics, including American Red Cross senior life saving, water safety instructor's course, scuba, and synchronized swimming; team sports, including basketball, hockey, lacrosse, softball, volleyball; individual and dual sports, including archery, badminton, bait and fly casting, fencing, horsemanship, recreational games, riflery; and a program in body dynamics including conditioning exercises and exercise to music.

In addition to the basic instructional courses, professional preparatory courses in the area of physical education include professional and technical instruction for students in the areas of sports, dance, aquatics, and gymnastics. Laboratory experiences are also offered in coaching, officiating, judging, organizing, and supervising intramural and extramural activities.

## DEPARTMENT OF PHYSICAL EDUCATION FOR MEN

**Professors Baumgartner, Cooper, Councilman, Cousins, Daugherty, Endwright, Ryser, Slater-Hammel, Strong (Acting Chairman); Associate Professors Belisle, Billingsley, Bruce, Gallahue, Greer, Liemohn; Assistant Professors Andres, Brown (J.), Carlson, Dooley, Mindheim, Mull, Newberg, Wilkerson, Yeagley; Instructors Burns, Lawrence; Lecturers DuVal, McMurray**

The basic instructional program offers instruction in a wide variety of sports activities on an elective basis. Undergraduate men may elect a limited number of physical education courses for academic credit.

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

## DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

**Professors Deppe (Chairman), MacLean, Rillo, Tully; Associate Professors Lawson, Martin, Meyer, Peterson; Assistant Professors Ross, Wilson; Instructor Riggins; Lecturers Benson, Blanton, Rea, Stoner**

The Department prepares students for professional recreational leadership and for supervisory and executive positions in a variety of settings. Students may select from four options: 1. Public Recreation and Parks; 2. Outdoor Recreation (Camping, Outdoor Education, Conservation); 3. Recreation Leadership and Programming; and 4. Therapeutic Recreation.

The undergraduate curriculum emphasizes a broad general education background and is complemented with a sequential core of six professional courses plus seventeen other courses in the major area of parks and recreation. The Department operates the 2,300-acre Bradford Woods Outdoor Recreation Area. Requirements for a teaching certificate may be acquired in every option with the exception of therapeutic recreation.

The graduate curriculum is designed for students who are preparing for administrative, teaching, or research careers. Four options are offered for M.S. students: Public Parks and Recreation; Outdoor Recreation; College Union Administration; and General Option.

# Graduate Division

---

## GENERAL REQUIREMENTS FOR ADVANCED DEGREES

The Graduate Program is designed to provide the student with a comprehensive understanding of his field, preparation in depth in his area of interest, and a working knowledge of research techniques. The master's, director's, and doctoral degrees are offered in the areas of Health and Safety, Physical Education, and Recreation. The Master of Public Health degree is also offered. The Ph.D. is offered in Physical Education with concentration in the area of human performance.

**Admission.** Admission to the Graduate Division is taken under consideration for those with a bachelor's degree from an accredited institution and is dependent upon the grade-point average, contents of the letters of recommendation from major professors, and Graduate Record Examination scores. The Graduate Record Examination is required for all degree candidates with the exception of high achievers applying for admission to the master's degree.

**Application.** An application for admission must be submitted to the Graduate Division, School of Health, Physical Education, and Recreation. Official transcripts of all undergraduate and graduate work taken at institutions other than Indiana University and letters of recommendation must be submitted. An application fee of \$15 is required of those who have not previously attended Indiana University. Credentials submitted for admission become the property of the University and will not be returned to the applicant.

Applicants may be granted temporary admission to master's and director's programs until GRE scores are submitted.

**Nondegree.** Applicants who are not candidates for a degree may be admitted as special nondegree students. They must apply for admission and should indicate on the application their desire to be classified as nondegree. Official transcripts are needed.

It is possible that courses taken while on this status may not be counted toward a degree if the student desires later to pursue a degree program.

**Transient Students.** A student in good standing in any recognized graduate school who plans to return thereafter to his former university may also be admitted as a special nondegree student. In lieu of transcripts and letters of recommendation, he may request his graduate dean or departmental chairman to send a statement verifying his status in his home school.

**Graduate Record Examination.** Director's and doctoral degree candidates must submit Graduate Record Examination scores in order to be considered for admission. Master's degree candidates having a grade-point average below 2.4 are also required to submit GRE scores before being considered for admission. Only the aptitude portion of this examination is required. For information concerning the Graduate Record Examination, write to the Educational Testing Service, Box 955, Princeton, N. J. 08540, or 960 Grove Street, Evanston, Illinois 60201, or Box 1502, Berkeley, California 94704.

**Graduate Credit for Undergraduates.** Candidates for the Bachelor of Science degree at Indiana University, who are within 5 semester hours of completing requirements for that degree, when granted specific approval, may take certain graduate courses for graduate credit during the last semester of the senior year.

**Residence.** Being in residence is regarded as the time spent carrying a full schedule of courses or studies for a given period, such as a semester or academic year. Twelve to fifteen semester hours are considered a full schedule. Students at the master's level not devoting full time to graduate study will receive residence credit at the rate of six weeks of residence for each five semester hours completed. (Full-time graduate assistants, research associates, and associate instructors are granted a full semester of residence credit when they carry a minimum of nine semester hours of course work.)

**Correspondence Courses.** Credit earned in correspondence courses may not be counted toward any advanced degree. Such credit, however, may be used in making up entrance deficiencies.

**Work at Regional Campuses.** A student at another Indiana University campus who wishes to work toward a graduate degree in the School of Health, Physical Education, and Recreation and who has not made application for admission to a degree program, may find application materials available at the appropriate regional campus office or by writing to the School of HPER, Indiana University, Bloomington, Indiana. Courses taken at other Indiana University campuses must be cleared with the Graduate Division office of the School of HPER in order to be certain that such courses may be counted toward degree requirements.

**Grades\*.** Graduate students must maintain an average of B or better to be regarded as doing acceptable work toward an advanced degree. Grades below C are not counted toward completion of the requirements for a graduate degree. The Director of Graduate Studies will review the records of all candidates whose scholarship is unsatisfactory and suggest appropriate action to improve their scholarship and/or may terminate their candidacy.

**Application for Graduation.** Candidates must file an "Application for an Advanced Degree" in the Graduate Division Office of this School. Application forms are available in the Graduate Division Office of the School of Health, Physical Education, and Recreation, and must be filed six months prior to the expected date of graduation.

**Employment.** Persons employed full time may carry only 5 to 6 hours of graduate courses per semester. Those employed half time should not take more than 9 hours. Associate Instructors, Research Associates, and Graduate Assistant's maximum credit load is dependent upon the number of hours indicated in the assignment notice sent at the time of the appointment by the Dean.

## MASTER OF SCIENCE DEGREE

**Admission.** Those with a bachelor's degree from an accredited institution, or within one semester of meeting degree requirements, are eligible to apply for admission.

Unconditional admission may be granted to those with an approved undergraduate major or minor in health and safety, physical education, or recreation from a four-year accredited institution and with an undergraduate academic average of not less than 2.6 (A=4, B=3, C=2). Conditional admission may be granted for those with an undergraduate grade point average of 2.4 to 2.6. Admission may be granted for those having a lesser grade-point average who submit strong GRE scores.

All requirements for a master's degree must be completed within six calendar years after initial enrollment in course work.

**Residence.** A minimum of 25-30 semester hours of graduate credit must be taken at Indiana University. For other information see page 15.

**Adviser.** The program of each candidate will be planned cooperatively by the student and his adviser in terms of the student's educational background and objectives. All phases of the student's program are subject to the approval of the adviser.

**Hours Required.** With a thesis, a minimum of 30 semester hours of approved graduate course work is required in addition to five hours of credit which will be granted for a satisfactory thesis.

Without a thesis, a minimum of 35 semester hours of approved graduate course work must be taken.

All candidates must earn 20 semester hours in approved graduate courses in the major field in the School of HPER.

---

\* For information concerning incomplete grades and withdrawals, refer to the Academic Regulations of this *Bulletin*.

**Transfer of Credit.** Graduates of Indiana University may transfer a maximum of 10 semester hours of approved graduate credit from other accepted institutions. Graduates of other institutions may transfer a maximum of 5 semester hours of approved graduate credit from other accepted institutions. Written request for transfer work must be recommended by the adviser and submitted for approval to the Graduate Division. Any graduate course work to be transferred should be approved in advance.

**Thesis.** A student desiring to write a thesis will consult with his adviser who will guide him in all phases of the thesis development. After the thesis problem has been identified, the student must plan a detailed outline of his problem. Both the problem and the outline must be submitted to a Master's Thesis Committee for approval.

**Graduation with Honors.** Candidates who maintain a 3.8 or better cumulative grade-point average, and have the recommendation of the departmental chairman and the Graduate Council are eligible for graduation with honors.

**Teacher Certification.** Those preparing to teach in the Indiana Public Schools, as a part of the requirements for the master's degree, should take a minimum of 8-9 hours in each teaching area in which they are certified in order to professionalize the State Teaching Certificate.

**Course of Study.** All candidates for the Master of Science degree are required to complete HPER T590. Credits earned in this course may count toward the 20 hours required in the major area (20 hours designated in Physical Education, Recreation, or Health and Safety).

The following are options in each of the master's degree programs. A student may select the option of his choice in his major area. In addition to the courses prescribed in the option, the student will be required to complete 20 hours in the major area (Physical Education, Health and Safety, or Recreation), and a total of 35 hours for the degree.

**Master of Science in Health and Safety Options:**

Health and Safety: T590, H510, H516, S559, C591 or T595, and electives as approved by adviser.

Safety Management: T590, C591, C512, C609, S559, at least 5 hours from the following: S617, S557, H617, H640, S655, S456, C511, H641, H642, H643, and electives as approved by adviser.

**Master of Science in Physical Education Options\*:**

Adapted: T590, P546, P556, P643 (By permission of Instructor), P647, P646.

Administration: T590, P544, T594, T593, Educ A508, P545.

Athletic Training: T590, A581, A582, A584, A585, A586. To certify as a Trainer with the National Athletic Training Association, the student must complete the following required courses: A643, P548, P640.

Coaching: T590, A583, P639, T593, P630, P538, P530.

Dance: T590 (HPER T591—Int. of Data in HPER if no P493 as undergraduate), P533, P647, MUS E555 or HPER P534, P647, P640.

Elementary: T590, P527 or P537, P535, P536, T593, P548, P545 (HPER P546—Mvmt Perf of Except Ch—If P398 was not taken as undergraduate)

General: T590, P545 or P544, P547 or T591 or T595. Select two: P538 or P530 or P548 or P546, A583, P540.

Recreational Sports Administration in Physical Education: T590, R500, P540, T594, T593, P643, P539 or Educ A640.

Research: T590, T591, P640 or T599, ..... Programming of Digital Computers, the remaining 6-8 hours in the research area of the student's choice to fulfill the major, and electives as approved by adviser.

Secondary: T590, P537 or P546, P545, P538 or P548, P544 or P543, P540.

---

\* If a course is required in an option from another discipline, 20 hours in HPER courses are still needed to meet requirements. Where choices are given, the one not chosen may be used as an elective. Contact the Graduate Division of the School of HPER for more details.

Master of Science in Recreation options: (You may choose one of the following courses of study):

- Public Parks and Recreation: R500, R520, T594, T590. Select 8 hours from: R530, R531, R532, R535, R540, T593, R515, R550, R541, R510.
- Outdoor Recreation: R500, R520, R540, T590. Select 8 hours from: R530, R541, R542, R543, R550, R551, R515, R510.
- College Union Administration: T590, R500, R520, R580 or R643. Select 8 hours from: R501, R515, R530, R532, R643, T593, T594. Also, select a minimum of two courses from each of the following areas: Education U544, U546, U548, C656; and Business: W501, Z502, Z503, A501.
- General: R500, R520, T593, T590. Elect at least one course from each of the following areas: Public Parks and Recreation: R530, R531, R532; Outdoor Recreation: R540, R541, R542, R543, R550, R551; Therapeutic Recreation: R560, R561, R565; and Independent Study, Seminar and Practicum: R515, R535, R641, R640.

### MASTER OF PUBLIC HEALTH (M.P.H.) IN HEALTH EDUCATION (with a major in Community Health Education)

**Purpose of the Degree.** The M.P.H. in Health Education with an emphasis in Community Health Education is intended to prepare the health and safety education specialist to serve as a member of the staff of a health department, a voluntary health agency, a professional association, public health service, an international health program, such as the Peace Corps, or the World Health Organization, or in the capacity of coordinator of the school-community health and safety education program.

**Admission.** A candidate must be admitted to the Graduate Division of School of Health, Physical Education, and Recreation and hold a baccalaureate degree with the major in health and safety education or the equivalent, including Biology (9 semester hours), Sociology and/or Anthropology (6 semester hours), Psychology (6 semester hours), Health and Safety Education (12 semester hours). The candidate should have had two years of approved experience, usually in teaching or some aspect of public health service.

**Credit.** A minimum total of 40 semester hours of approved credit is required for the degree. The tentative pattern includes the following courses: T590, H510, C511, C512, H517, C523, C591, C609, C690. For information on the transfer of credit, admission, residence, and adviser, see the requirements listed for the Master of Science degree, page 16.

### HEALTH COORDINATOR CERTIFICATE

The following pattern of courses and two years of practical experience qualifies one for the certificate of supervision in health education and for special recommendation as health coordinator: H510, H514, H516, H517, C523, C610, H618, S559, T590, T593, and T591 or T595.

### DIRECTOR'S DEGREE

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

Candidates applying for admission should consider this level of graduate study as a terminal degree; however, those displaying outstanding professional and academic qualifications may be encouraged under certain circumstances to enter the doctoral program upon completion of the director's degree.

Candidates for this degree will pursue a program of studies which places primary emphasis on such competencies as planning, organizing and developing programs, managing program finances, dealing with staff and public relations, and/or specializing in specific teaching areas.

**Admission.** To gain admittance a candidate must possess a minimum undergraduate grade-point average of 2.6, a graduate grade-point average of 3.5 or better, appropriate GRE scores, three strong supportive letters of recommendation, and a minimum of one year of professional experience.

Requirements for the degree must be completed within six years after enrollment in courses as a degree candidate. Course work should be started within eighteen months after admission.

**Adviser.** The complete program of each candidate will be planned cooperatively by the student and his adviser in terms of the student's background and educational objectives. All phases of the student's program are subject to the approval of the adviser.

**Credit.** A minimum of four semesters of full-time study or the equivalent, a minimum of 65 semester hours of graduate credit, 35 hours above the masters, 35 hours in the major field, 9 hours outside the areas of health, physical education and recreation, 8 hours of thesis or 6-8 hours of internship are required for the degree.

**Graduate Record Examination.** See page 15.

**Residence.** Thirty-five semester hours of graduate credit must be taken at Indiana University. This must be in addition to residence credits required for the master's degree.

**Transfer of Credit.** Candidates may utilize a maximum of 30 semester hours of approved credit from approved institutions, including Indiana University, toward the 65-hour requirement.

**Course of Study.** All candidates for the director's degree are required to complete the following courses which may be counted toward the 35 semester hours required in the major area: T590, T594, and either thesis or internship credit. The following courses are required in the area designated: Director of Health and Safety Education (H.S.Dir.) H510, S559, T590, T594, H642 or T699; Director of Physical Education (P.E.Dir.) P544, P545, T590, T594, P642 or T699; Director of Recreation (Re.Dir.) R500, R520, T590, T594, R642 or T699.

#### **Director's Degree Thesis or Internship**

All candidates have the option of writing a thesis or serving an internship in a specialized area of the major field. Enrollment in one of these areas may occur after satisfactory completion of 15 or more hours in residence toward the degree with approval of the chairman.

**Committee.** The adviser and one graduate faculty member will comprise a committee which will supervise the thesis or the internship experience and evaluate the written comprehensive examination. The adviser will serve as the chairman of the thesis committee.

**Thesis.** The candidate is encouraged to pursue a significant study in the major field. Appropriate scientific tools should be utilized and application should be made of relevant principles and procedures. The conclusions and recommendations should reflect the candidate's grasp of the study and reveal the complexities, depth, and application of the findings of the investigation. Eight credit hours are given for a satisfactory thesis. One bound copy of the thesis is to be presented to the graduate division.

**Internship.** The internship provides the candidate an opportunity to work under an experienced professional person, to gain practical insights in a major area of concentration, and to update the candidate in the use of new tools and techniques of the profession. The candidate cannot be employed in a full-time position during the time he is doing his internship. This is not intended to duplicate past and present professional experiences. In all probability, the candidate will be required to establish

residence in the city of internship. Six and no more than eight credit hours are given for satisfactory completion of the internship. Normally, only independent study hours should be enrolled in addition to the internship hours.

### Final Examination

All candidates for the director's degree are required to pass a three-hour written comprehensive examination in their major area. This examination is taken at the announced dates. *When the candidate has completed all, or almost all, of his course work, and his adviser feels he is ready, he will be eligible to write on the director's examination.*

## DOCTOR'S DEGREE

The School is authorized to qualify candidates for the following doctoral degrees: Doctor of Health and Safety (H.S.D.); Doctor of Physical Education (P.E.D.); Doctor of Recreation (Re.D.); and Doctor of Philosophy (Ph.D.) in Physical Education with a concentration in human performance area (offered in the Graduate School but administered by the School of Health, Physical Education, and Recreation).

**Doctor's Degree General Requirements.** Admission, appointment of Doctoral Advisory Committee, and residence will follow the same procedures for all doctoral degrees granted from the School.

**Admission to Doctoral Study.** In addition to an application for admission to pursue graduate study, transcripts of all previous college work, three letters of recommendation, a small photograph, and GRE scores (aptitude portion) must be submitted.

If an applicant is *not* admitted to the doctoral program by a decision of the Graduate Council, he must take at least 15 hours of required doctoral graduate courses on the campus, including T590 and T591 before he can re-apply for admission. These courses shall not count toward the 30 hours on the campus required for residency. Any student has the right to request consideration for re-admission as a doctoral candidate and, in such case, should contact the Director of Graduate Studies for information on this matter.

Initial registration for courses must occur within 18 months after the date of acceptance as a student in the doctoral program. All course work and qualifying examinations must be completed within five years after the date of initial registration.

Doctoral examinations, except the final orals, are scheduled only during the fall or spring semesters.

**Admission to Candidacy for the Doctoral Degree.** For admission to candidacy for a doctoral degree, the student must: (a) complete major and minor course requirements, (b) successfully complete one of the options, and (c) satisfactorily pass the qualifying examination. The student must be admitted to candidacy six months before the final oral examination can be scheduled.

**Doctoral Advisory Committee.** After some familiarity has been established with the courses and the faculty, the chairman will consult with the candidate concerning his choice of a Doctoral Advisory Committee. The chairman will then submit to the Director of Graduate Studies, for approval, the names of two or three additional faculty members to serve on the applicant's advisory committee, representing the major and minor(s) areas.

**Residence.** A minimum of 90 hours of approved graduate work is required for the degree. A minimum of two consecutive semesters of full-time course work must be taken on the Bloomington campus. Full-time residence implies that the student is enrolled in no less than 12 hours per semester (9 hours if an associate instructor) while residing on campus.

**Transfer of Credit.** Not more than 45 semester hours of credit from other approved institutions may be accepted toward the hours of credit required for the P.E.D., Re.D.,

or H.S.D. Thirty hours may be transferred toward the hours of credit required for the Ph.D., course work as determined by the doctoral committee and approved by the Graduate School.

**Qualifying Examination.** The student is required to pass a comprehensive qualifying examination on the fundamentals of the fields in which he has elected to specialize. The examination will not be limited to the subject matter of the courses taken. Normally, the student must be registered during the session in which he expects to take the examination and must file an application for taking the examination in the Graduate Division Office of the School of Health, Physical Education, and Recreation.

Before taking the examination in the field of specialization and related areas, the student must fulfill one of the options listed on the following pages under *Doctor's Degree Special Requirements*. The part of the qualifying examination dealing with research competency may be taken upon completion of T590, T591, and T592. The examination in the field of specialization and related areas will be taken when all or almost all of the student's program of studies and the option are completed. The satisfactory passing of the examination, as certified by the doctoral advisory committee, admits the student to candidacy for the degree, providing all other requirements for admission to candidacy have been met. The Director of Graduate Studies shall notify the student and the doctoral committee when the student is admitted to candidacy. After admission to candidacy, the student will generally be registered for only dissertation research hours.

**Enrollment after the Qualifying Examination.** After passing his qualifying examination, a doctoral candidate must enroll each semester for thesis or research credit at the regular fee; or if he has enrolled in all of his thesis hours, he must enroll in Graduate G900, Candidate, a noncredit course. A candidate who will be graduated in August of any year must enroll in G900 or thesis hours the preceding summer session. Failure to meet this requirement will automatically terminate enrollment in the degree program. To be re-instated the candidate must go through admission procedures as outlined in this *Bulletin*.

To enroll in HPER T790, P799, or G900, the student must secure a Registration Card from the graduate division. This card should be filled out completely with the course to be taken clearly listed. The card should be sent to the Office of Records and Admissions, Student Services Building, Room 200, within two weeks after a semester has begun if enrolling by in-absentia. The fee check, made payable to Indiana University, should accompany the Registration Card. A receipt for the fee will be returned to the student to indicate that the student has been registered in the course for that semester. Arrangements can be made with the student's graduate division and the Office of Records and Admissions to preregister in G900 or thesis for a maximum of two forthcoming semesters.

**Dissertation.** Each candidate must present a satisfactory dissertation in partial fulfillment of the requirements for the doctoral degree. The dissertation permits the candidate to demonstrate his creative ability to identify and treat a significant problem; to collect, analyze, and interpret meaningful data by appropriate research methods; to make valid generalizations upon the findings; and to present the study in acceptable, written form. The result should be a verifiable contribution to knowledge in the candidate's field. Completion of a dissertation normally requires at least one year of concentrated effort. The candidate submits his proposed dissertation problem to the chairman of his doctoral committee, together with an outline using an approved prospectus format and including a statement of research procedures to be used. If the topic and outline are approved by the chairman, they are then presented to the candidate's committee for approval. After approval by the committee, the research is conducted under the direction of the chairman. The acceptability of the completed dissertation is first passed upon by the chairman and then by the doctoral committee at a formal meeting.

The dissertation must be completed within five years after the successful completion of the qualifying examinations. When the completed dissertation is approved by the chairman, it will be typed in accordance with established regulations. At least

*four weeks* before the final examination, four copies of the complete dissertation must be presented to the committee chairman for distribution to committee members. Each copy of the dissertation must be accompanied by a vita sheet inserted at the end. Also, a 600-word abstract and a one-page announcement must be submitted. Ph.D. candidates submit a 500-word abstract as prescribed by the Graduate School. After the final examination has been passed and the dissertation has been approved, at least three bound and one unbound copy of the dissertation must be filed in the Office of the Director of Graduate Studies.

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

The candidate will submit a 500-600-word abstract of the dissertation, approved by this committee. This abstract will appear in *Dissertation Abstracts*, published by University Microfilms, Inc., Ann Arbor, Michigan.

The unbound copy of the candidate's dissertation will be loaned to University Microfilms, Inc., for complete microfilming. The resulting film copies are available for purchase by all who request them. Copyright may be secured by the author if desired.

The unbound copy will be returned by University Microfilms, Inc., to the University Library where it will be bound. Three copies of the dissertation will be bound by the student at his expense. These copies must be submitted to the bindery within one week after the final acceptance of the dissertation. The fee for publishing the abstract and for the microfilming of the dissertation will be handled through the HPER Graduate Division.

**Final Examination.** The final oral examination will be conducted by the candidate's committee over his dissertation.

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

## DOCTOR'S DEGREE SPECIAL REQUIREMENTS

### H.S.D., P.E.D., and Re.D. Degrees

**Program of Studies.** All candidates for the Doctorate of Health and Safety, Physical Education, and Recreation will take T590 and T591. These courses and those required on the options will not count toward the 30-hour major but will count in total hours.

Each candidate, in addition to his major field of study, must have one, and may have two, minors which may be within the School or in cognate fields outside of the School. The major will consist of 30 semester hours in a given field. Normally, a minor will consist of not fewer than 15 semester hours in an area approved by the candidate's advisory committee. Minors within the School may be elected in health and safety, physical education, recreation, measurement and evaluation, and public health. Minors taken outside the School must include a minimum of 15 semester hours of course work. A minimum of 15 graduate credits must be taken outside of the areas of health, physical education, and recreation. Fifteen semester hours will be granted for the dissertation.

**Statistics and Language Options.** Students may elect one of the following options for fulfilling the foreign language and statistics requirements. Normally, this decision should be made at the time of the course prescription meeting.

#### *Option I*

Satisfactory completion of HPER T590, T591, T592  
Completion of the Research Competency Examination

#### *Option II*

HPER T590, T591, T592, and T693 or T691  
T693 or T691 is taken in lieu of the Research Competency Examination (When T693 or T691 is used in this manner, it cannot be counted in the hours for the major, minor, or total hours).

A grade of B or better must be made in each of the courses listed in order to meet the option requirement.

*Option III*

HPER T590, T591, T592, and one research skill from the following:

Language: Meet reading proficiency in one foreign language by passing examination given by the language departments or by taking two courses in one language for graduate students and earning a grade of B or better in each course. (8 hours)

Instructional Systems Technology: Educ. R543, R544, and R574

Computer Science: C.Sc. C201 and C202 and one of the following: C311, C321, C331, C343, or C435

Graduate courses taken to fulfill option requirements taken in lieu of the Research Competency Examination cannot be counted toward the hours for the degree.

**Ph.D. with Concentration in the Area of Human Performance**

This degree is offered by the School of Health, Physical Education, and Recreation in conjunction with the Graduate School of the College of Arts and Sciences. Study in the area of human performance is designed to provide the student with a comprehensive understanding of the field of physical education, a working knowledge of research techniques that may be applied to problems in his area of interest, preparation in depth in the human performance area, and an understanding of a cognate field.

**Prerequisites.** A baccalaureate degree with a major or minor in physical education including courses in anatomy, physiology, and kinesiology. Appropriate science courses such as physics, chemistry, and mathematics should be offered as background.

**Grades.** Students must maintain a scholastic average of 3.5 on a 4.0 scale.

**Program of Studies.** Ninety hours beyond the baccalaureate degree, including 25 to 30 hours for the dissertation, 30 hours in the area of human performance, 15 hours outside the School of Health, Physical Education, and Recreation in a cognate (minor) field; substantial amount of work in statistics. Deficiencies in course work must be made up during the first year of residence. Course work will be taken in the areas of biomechanics, growth and development patterns, motor learning, motor skill performance, and sports psychology. Courses taken for the Ph.D. must be listed in the *Graduate School Bulletin* and approved by the Graduate School.

A sample program is illustrated below:

|                                     | <i>Semester Hours</i>                         |
|-------------------------------------|-----------------------------------------------|
| Major Area .....                    | 30 hours minimum                              |
| Minor .....                         | 15 hours minimum                              |
| Minor .....                         | 15 hours minimum                              |
| Dissertation .....                  | 25-30 hours                                   |
| Electives .....                     | 0-5 hours                                     |
| Research Skills and Languages ..... | 0 (12 hours minimum,<br>not counted in total) |
| Total .....                         | 90 hours                                      |

The student may elect two outside minors or one outside minor and one inside minor. In addition, language and research skills requirements must be met.

All candidates for the Ph.D. will take T590 and T591 or their equivalents as prerequisites. These courses will not count toward the 30-hour major. Following is a list of major courses in Biomechanics: P530, Advanced Theories of High Level Performance; P538, Mechanical Analysis of Human Performance; P637, Study of Factors Affecting Human Performance; P638, Biomechanics of Human Performance; P740, Research in Physical Education; P741, Readings in Human Performance; P742, Experimental Laboratory Techniques; T592, Statistical Techniques of Research in Health, Physical Education, and Recreation; T691, Correlational Techniques; T693, Experimental Analysis and Design. Elective courses are: P527, Growth and Physical Performance of the Pre-School and Elementary Child; P537, Relationship of Growth Patterns of the Junior High School Student to Physical Performance; P546, Movement Performance of the Exceptional Child; P548, The Nature and Basis of Motor Skills; P639, Psychological Aspects of Sports.

**Language and Research Skill Requirement.** A candidate for the Ph.D. degree in Human Performance must select one of the following language/research skill options.

*Language Option.* Demonstrate reading proficiency in two languages selected from French, German, and/or Russian, or comprehension in one foreign language in depth (French, German, or Russian).

*Language and Research Skill Option.* Reading proficiency in French, German, or Russian and one set of research skill courses described below.

- a. Electronic Techniques (7 credit hours) Physics P302, P421, and P431
- b. Mathematics (6 credit hours)  
Math. M360 and M366 *or*  
Math. M360 and M463 *or*  
Math. M366 and M467 *or*  
Math. M303 and M311 *or*  
Math. M371 and M313
- c. Instructional Systems Technology (6 credit hours)  
Educ. R544 and R574 *or*  
Educ. R555 and R558
- d. Educational Statistics (6 credit hours)  
Educ. Y603 and Y604
- e. Computer Science (8 credit hours)  
C.Sc. C202 and C343

*Research Skill Option.* Two sets of research skill courses described below for a total of at least 12 hours credit.

- a. Electronic Techniques (7 credit hours)  
Physics P302, P421, P431
- b. Mathematics (6 credit hours for one set or 12 credit hours for two sets)  
Mathematics M360 and M366 *or*  
Math. M360 and M463 *or*  
Math. M366 and M467 *or*  
Math. M303 and M311 *or*  
Math. M371 and M313
- c. Instructional Systems Technology (6 credit hours for one set or 12 credit hours for two sets)  
Educ. R544 and R574 *or* R577  
Educ. R555 and R558
- d. Educational Statistics (6 credit hours)  
Educ. Y603 and Y604
- e. Computer Science (8 credit hours)  
C.Sc. C202 and C343

# Undergraduate Division

---

Students seeking to qualify for the bachelor's degree should confer with an official adviser of the Dean's office concerning a detailed outline of the curriculum in which they are interested.

## SPECIAL REQUIREMENTS AND RESTRICTIONS

**Correspondence Study.** Work taken in absence for credit may be accomplished through the Division of Continuing Education. However, entrance requirements of the School must have been satisfied prior to registration if the work is to be applied toward a degree. Special permission of the Dean of the School is required of students in residence on the Bloomington campus to register for correspondence work.

**Residence.** A minimum of 30 of the last 60 semester hours of University work must be done in residence on the campus at Bloomington, and two of the last four semesters of work must be completed after entering the School of Health, Physical Education, and Recreation. The Dean must approve any plan for off-campus work.

**Hours and Grade-Point Average Requirements.** A minimum of 124 semester hours of credit are required for graduation.

Quality points are assigned for purposes of determining the cumulative grade-point average as follows: A=4 credit points; B=3; C=2; D=1; F or WF=0. No points are assigned for I, S, P, or W. A minimum cumulative grade-point average of C (2.0) is required for the baccalaureate degree.

**NOTE:** Although course work may be transferred to Indiana University from another institution, only the grades earned in courses taken at Indiana University will be used to compute a student's grade-point average.

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

**Teaching Certificates.** Students starting their undergraduate programs after September 1, 1963, will follow the new state certification requirements. Such students must confer with an adviser of the School for specific requirements. In most cases when a student completes his degree, he has also fulfilled requirements for teacher certification.

**Course Load.** A student is expected to carry from 13 to 16 hours of academic work a semester. Permission to carry fewer than 13 hours of work may be obtained only in special cases and from the Dean of the School of Health, Physical Education, and Recreation. A student who has made an average of at least three credit points for each hour taken in the semester immediately preceding may receive permission from the Dean to carry more than 18 hours. The maximum number of hours to be carried by a student is 19 hours.

**Admission—Department of Recreation and Park Administration.** The Department of Recreation and Park Administration, in cooperation with the University Division, seeks early identification of students planning to major in recreation. Students seeking admission should first file an "Inventory of Personal and Professional Interest", attend a Departmental orientation session following midterm advising each semester, and complete an "Application for Interview and Counseling" upon becoming eligible for official certification.

# Suggested Curricula

## Physical Education Major (40 hrs.) for Women

Four-year program (must include minor) leading to a Provisional Teaching Certificate and the degree Bachelor of Science in Physical Education.

### Freshman Year

| <i>First Semester</i>                                    |           | Hours     | <i>Second Semester</i>                                    |            | Hours |
|----------------------------------------------------------|-----------|-----------|-----------------------------------------------------------|------------|-------|
| Orientation to Physical Education .....                  | HPER W120 | 2         | Team Sports .....                                         | HPER W122  | 1     |
| Individual Sports I .....                                | HPER W121 | 1         | First Aid .....                                           | HPER H160  | 2     |
| Hockey and Folk, Square Dance .....                      | HPER W100 | 1         | Swimming or Proficiency .....                             | HPER W100  | 1     |
| Introductory Psychology .....                            | Psy. P101 | 3         | Basic Human Anatomy .....                                 | Anat. A215 | 5     |
| Social or Behavioral Science .....                       |           | 3         | Social or Behavioral Science .....                        |            | 3     |
| *Introduction to Writing and Study of Literature I ..... | Eng. L141 | 4         | *Introduction to Writing and Study of Literature II ..... | Eng. L142  | 4     |
| Electives (Minor Area) .....                             |           | 2         |                                                           |            | 16    |
|                                                          |           | <u>16</u> |                                                           |            |       |

### Sophomore Year

|                                                   |             |           |                                           |            |                 |
|---------------------------------------------------|-------------|-----------|-------------------------------------------|------------|-----------------|
| Physical Education in the Elementary School ..... | HPER P290   | 2         | Modern Dance .....                        | HPER W103  | 1               |
| Folk, Square, and Social Dance .....              | HPER W224   | 1         | Gymnastics, Tumbling, and Apparatus ..... | HPER W222  | 2               |
| Examining Self as Teacher .....                   | Educ. F200  | 3         | Human Development and Learning .....      | Educ. P280 | 5               |
| Basic Mammalian Physiology .....                  | Phsl. P215  | 5         | Life and Physical Sciences .....          |            | 2 or 3          |
| Public Speaking I .....                           | Speech S121 | 2         | Humanities .....                          |            | 4               |
| Social and Behavioral Sciences .....              |             | 3         | Electives (Minor Area) .....              |            | 2               |
|                                                   |             | <u>16</u> |                                           |            | <u>16 or 17</u> |

### Junior Year

|                                        |           |   |                                      |           |           |
|----------------------------------------|-----------|---|--------------------------------------|-----------|-----------|
| Teaching of Team Sports .....          | HPER W325 | 1 | Individual Sports II .....           | HPER W322 | 1         |
| Sports Officiating .....               | HPER W326 | 1 | Teaching of Modern Dance .....       | HPER W324 | 1         |
| Kinesiology .....                      | HPER P397 | 3 | Adapted Physical Education .....     | HPER P398 | 3         |
| Organization of Health Education ..... | HPER H464 | 2 | Electives in General Education ..... |           | 4         |
| Social or Behavioral Science .....     |           | 3 | Electives (Minor Area) .....         |           | 6         |
| Humanities .....                       |           | 2 |                                      |           | <u>15</u> |
| Electives (Minor Area) .....           |           | 4 |                                      |           | <u>16</u> |

### Senior Year

|                                                        |            |           |                                                             |            |           |
|--------------------------------------------------------|------------|-----------|-------------------------------------------------------------|------------|-----------|
| Teaching of Individual Sports .....                    | HPER W323  | 1         | Organization and Administration of Physical Education ..... | HPER W400  | 2         |
| Tests and Measurements in Physical Education .....     | HPER P493  | 3         | Laboratory Teaching in the Basic Instruction Program .....  | HPER P495  | 1         |
| Methods of Teaching Physical Education for Women ..... | Educ. M457 | 3         | Secondary Education and Guidance .....                      | Educ. S485 | 3         |
| Electives (Minor Area) .....                           |            | 8         | Student Teaching in the High School .....                   | Educ. M480 | 8         |
|                                                        |            | <u>15</u> |                                                             |            | <u>14</u> |

\* Or approved English alternative.

### Physical Education Major (40 hrs.) for Men

Four-year program (must include minor) leading to a Provisional Teaching Certificate and the degree Bachelor of Science in Physical Education.\*†

#### Freshman Year

| <i>First Semester</i>                    |           | Hours | <i>Second Semester</i>              |             | Hours |
|------------------------------------------|-----------|-------|-------------------------------------|-------------|-------|
| Teaching of Tennis and Archery .....     | HPER M151 | 1     | Teaching of Bowling and Golf .....  | HPER M152   | 1     |
| First Aid .....                          | HPER H160 | 2     | Public Speaking I .....             | Speech S121 | 2     |
| Introduction to Physical Education ..... | HPER P180 | 2     | Introductory Psychology .....       | Psy. P101   | 3     |
| Elementary Composition .....             | Eng. W131 | 3     | Arts and Crafts (Recommended) ..... | HPER R273   | 2     |
| Social or Behavior Science .....         |           | 3     | Minor Area .....                    |             | 3     |
| Humanities .....                         |           | 3     | Social or Behavior Science .....    |             | 3     |
|                                          |           | <hr/> |                                     |             | <hr/> |
|                                          |           | 14    |                                     |             | 14    |

#### Sophomore Year

|                                                     |            |       |                                             |            |       |
|-----------------------------------------------------|------------|-------|---------------------------------------------|------------|-------|
| Teaching of Gymnastics .....                        | HPER M131  | 1     | Teaching of Group Games and Rhythmics ..... | HPER M132  | 1     |
| Introduction to Teaching .....                      | Educ. F200 | 3     | Basic Human Anatomy .....                   | Anat. A215 | 5     |
| Introduction to Community Recreation (Recom.) ..... | HPER R274  | 2     | Social or Behavior Science .....            |            | 3     |
| Personal Health (Recom.) .....                      | HPER H363  | 3     | Humanities .....                            |            | 4     |
| Social or Behavior Science .....                    |            | 2     | Minor Area .....                            |            | 3     |
| Minor Area .....                                    |            | 3     |                                             |            | <hr/> |
| Concentration Elective .....                        | HPER       | 2     |                                             |            | 16    |
|                                                     |            | <hr/> |                                             |            |       |
|                                                     |            | 16    |                                             |            |       |

#### Junior Year

|                                                   |            |       |                                         |            |       |
|---------------------------------------------------|------------|-------|-----------------------------------------|------------|-------|
| Teaching of Judo and Wrestling .....              | HPER M231  | 1     | Teaching of Volleyball and Soccer ..... | HPER M232  | 1     |
| Adapted Physical Education .....                  | HPER P398  | 3     | Basic Mammalian Physiology .....        | Phsl. P215 | 5     |
| Physical Education in the Elementary School ..... | HPER P290  | 2     | Minor Area .....                        |            | 3     |
| Coaching Elective .....                           | HPER       | 1½    | Elective .....                          | HPER       | 2     |
| Coaching Elective .....                           | HPER       | 1½    | Concentration Elective .....            | HPER       | 3     |
| Human Development and Learning .....              | Educ. P280 | 5     | Humanities .....                        |            | 2     |
| Minor Area .....                                  |            | 3     |                                         |            | <hr/> |
|                                                   |            | <hr/> |                                         |            | 16    |
|                                                   |            | 17    |                                         |            |       |

#### Senior Year

|                                                      |            |       |                                                    |            |       |
|------------------------------------------------------|------------|-------|----------------------------------------------------|------------|-------|
| Methods of Teaching Physical Education for Men ..... | Educ. M456 | 3     | Tests and Measurements in Physical Education ..... | HPER P493  | 3     |
| Kinesiology .....                                    | HPER P397  | 3     | Issues in Physical Education .....                 | HPER P444  | 3     |
| Elective .....                                       | HPER       | 1     | Secondary Education and Guidance .....             | Educ. S485 | 3     |
| Social or Behavior Science .....                     |            | 3     | Student Teaching .....                             | Educ. M480 | 8     |
| Concentration Elective .....                         | HPER       | 3     |                                                    |            | <hr/> |
| Minor Area .....                                     |            | 3     |                                                    |            | 17    |
|                                                      |            | <hr/> |                                                    |            |       |
|                                                      |            | 16    |                                                    |            |       |

\* Swimming proficiency is required of all majors.

† Included in the core program outlined above is the provision for a student electing one of the following areas of concentration: Adapted Physical Education, Aquatics, Coaching, Elementary School Physical Education, Health Education, Safety and Driver Education, or Recreation.

**Health and Safety Major (40 hrs.) Men and Women**

Four-year program leading to a Provisional Teaching Certificate and the degree Bachelor of Science in Health and Safety (possible minors: Biology, Physical Education, Social Studies; other minors available).

**Freshman Year**

| <i>First Semester</i>                  |                   | Hours | <i>Second Semester</i>                     |                   | Hours |
|----------------------------------------|-------------------|-------|--------------------------------------------|-------------------|-------|
| Introduction to Political Theory ..... | Pol. Sci. Y105    | 3     | Introductory Psychology I .....            | Psy. P101         | 3     |
| Elementary Composition .....           | Eng. W131         | 3     | First Aid .....                            | HPER H160         | 2     |
| Public Speaking .....                  | Speech S121       | 2     | General Anthropology I .....               | Anth. A103        | 3     |
| Plant Biology .....                    | Biol. B101        | 5     | Physical Education .....                   | HPER M130 or W100 | 1     |
| Physical Education .....               | HPER M130 or W100 | 1     | Introduction to Community Recreation ..... | HPER R274         | 2     |
| Electives .....                        |                   | 2     | Electives (Humanities) .....               |                   | 5     |
|                                        |                   | <hr/> |                                            |                   | <hr/> |
|                                        |                   | 16    |                                            |                   | 16    |

**Sophomore Year**

|                                        |            |       |                                      |            |       |
|----------------------------------------|------------|-------|--------------------------------------|------------|-------|
| Examining Self as Teacher .....        | Educ. F200 | 3     | Social Problems and Policies .....   | Soc. S101  | 3     |
| Sociological Analysis of Society ..... | Soc. S100  | 3     | Human Development and Learning ..... | Educ. P280 | 5     |
| Basic Human Anatomy .....              | Anat. A215 | 5     | Basic Mammalian Physiology .....     | Phsl. P215 | 5     |
| Human Nutrition .....                  | H.Ec. H231 | 3     | Electives (Minor) .....              |            | 3     |
| Electives (Minor) .....                |            | 2     |                                      |            | <hr/> |
|                                        |            | <hr/> |                                      |            | 16    |
|                                        |            | 16    |                                      |            |       |

**Junior Year**

|                                                  |            |       |                                 |            |       |
|--------------------------------------------------|------------|-------|---------------------------------|------------|-------|
| *Content and Materials in Safety Education ..... | HPER S350  | 2     | Chemistry .....                 | Chem. C100 | 5     |
| Organization of Health Education .....           | HPER H464  | 2     | or Elementary Chemistry I ..... | Chem. C101 | 5     |
| Introduction to Mass Communication .....         | Rad. C200  | 3     | Personal Health .....           | HPER H363  | 3     |
| Marriage and Family Interaction .....            | H.Ec. H258 | 3     | Environmental Biology .....     | Biol. L350 | 3     |
| Kinesiology .....                                | HPER P397  | 3     | Electives (Major, Minor) .....  |            | 5     |
| Electives (Major, Minor) .....                   |            | 3     |                                 |            | <hr/> |
|                                                  |            | <hr/> |                                 |            | 16    |
|                                                  |            | 16    |                                 |            |       |

**Senior Year**

|                                             |            |       |                                         |            |       |
|---------------------------------------------|------------|-------|-----------------------------------------|------------|-------|
| Methods of Teaching Health and Safety ..... | Educ. M458 | 3     | Student Teaching .....                  | Educ. M480 | 8     |
| Health Problems in the Community .....      | HPER H366  | 3     | Principles of Secondary Education ..... | Educ. S485 | 3     |
| Electives (Major, Minor) .....              |            | 10    | Instructor's Course in First Aid .....  | HPER H460  | 2     |
|                                             |            | <hr/> | Community Health Education .....        | HPER H465  | 3     |
|                                             |            | 16    |                                         |            | <hr/> |
|                                             |            |       |                                         |            | 16    |

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

| <i>Safety Education Emphasis</i>                         |            |   | <i>Health Education Emphasis</i> |            |   |
|----------------------------------------------------------|------------|---|----------------------------------|------------|---|
| *Traffic Safety Education for Teachers .....             | HPER S456  | 4 | Physiology of Exercise .....     | Phsl. P309 | 4 |
| Leadership Development in the Shooting Sports .....      | HPER S351  | 2 | Sociology of the Family .....    | Soc. S316  | 3 |
| †Principles of Transportation .....                      | Bus. T300  | 3 | Adapted Physical Education ..... | HPER P398  | 3 |
| Preparation of Inexpensive Instructional Materials ..... | Educ. R543 | 3 | Environmental Conservation ..... | Geog. G315 | 3 |
| Industrial Safety Education .....                        | HPER S457  | 3 |                                  |            |   |

\* Completion of S350 and S456 meets the state certification requirement in driver and traffic safety education.

† Prerequisite—Economics E103 (3 cr.)

### Recreation Major

Four-year program leading to the degree Bachelor of Science in Recreation (emphasis: Public Recreation and Parks).<sup>\*</sup> Other emphases include: outdoor recreation, therapeutic recreation, or recreation leadership and programming.

#### Freshman Year

| <i>First Semester</i>                       | Hours | <i>Second Semester</i>                      | Hours       |
|---------------------------------------------|-------|---------------------------------------------|-------------|
| English requirement .....                   | 3     | Life and Physical Science elective .....    | 5-6         |
| Public Speaking Introductory ...Speech S121 | 2     | Introductory Psychology II .....Psy. P102   | 3           |
| Psychology I .....                          | 3     | Man, His Leisure and<br>Recreation .....    | HPER R160 3 |
| Sociological Analysis of Soc. ....Soc. S100 | 3     | Social Problems and Policies .....Soc. S101 | 3           |
| †Program Area Elective .....                | 3     | <i>or</i>                                   |             |
| Elective .....                              | 2     | Social Psychology .....Soc. S230            | 3           |
|                                             | 16    | Elective .....                              | 1-2         |
|                                             |       |                                             | 16          |

#### Sophomore Year

|                                                                                          |                  |                                                                                          |             |
|------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------|-------------|
| Introduction to Microeconomics ..Econ. E103                                              | 3                | Introduction to Public Parks<br>and Recreation .....                                     | HPER R265 2 |
| Introduction to American<br>Politics .....                                               | Pol. Sci. Y103 3 | Recreation Leadership and<br>Programming .....                                           | HPER R272 3 |
| <i>or</i>                                                                                |                  | Management of Facilities I .....HPER R266                                                | 3           |
| American History .....                                                                   | Hist. H105 3     | Humanities elective from Art<br>History, English L101, Music<br>M174, Theatre T240 ..... | 3           |
| Recreation in American Life ...HPER R261                                                 | 3                | Elective .....                                                                           | 5           |
| Humanities elective from Art<br>History, English L101, Music<br>M174, Theatre T240 ..... | 3                |                                                                                          | 16          |
| †Program Area Elective .....                                                             | 3                |                                                                                          |             |
|                                                                                          | 15               |                                                                                          |             |

#### Junior Year

|                                           |                  |                                             |    |
|-------------------------------------------|------------------|---------------------------------------------|----|
| Urban Politics .....                      | Pol. Sci. Y308 3 | Professional Field Experience ...Educ. R363 | 12 |
| Legal Environment of Business ..Bus. L201 | 3                | Post Field Work Seminar .....HPER R364      | 3  |
| Management of Facilities II ...HPER R267  | 3                |                                             | 15 |
| Social Recreation .....                   | HPER R367 3      |                                             |    |
| Elective .....                            | 3                |                                             |    |
|                                           | 15               |                                             |    |

#### Senior Year

|                                             |               |                                         |             |
|---------------------------------------------|---------------|-----------------------------------------|-------------|
| Program Administration .....                | HPER R461 2   | Planning and Park Design .....HPER R468 | 2           |
| Principles of Administration ...HPER R466   | 3             | Dynamics of Outdoor<br>Recreation ..... | HPER R271 3 |
| Management Accounting .....                 | Bus. A201 3   | Electives .....                         | 10          |
| Business and Professional<br>Speaking ..... | Speech S223 3 |                                         | 15          |
| Electives .....                             | 5             |                                         |             |
|                                             | 16            |                                         |             |

<sup>\*</sup> By selecting appropriate courses the student may also qualify for a Provisional Teaching Certificate in Recreation.

<sup>†</sup> 6 credit hours to be taken from two or more of the following recreation activity areas: Performing Arts, Arts and Crafts, Games and Sports, Outdoor Recreation.

## Dance Major

Four-year program with a concentration in Dance leading to a Provisional Teaching Certificate and the degree Bachelor of Science in Physical Education.

### Freshman Year

| <i>First Semester</i>                                                | Hours | <i>Second Semester</i>                                                | Hours |
|----------------------------------------------------------------------|-------|-----------------------------------------------------------------------|-------|
| Introductory Psychology .....Psy. P101                               | 3     | Team Sports .....HPER W122                                            | 1     |
| *Introduction to Writing and<br>Study of Literature I .....Eng. L141 | 4     | Folk, Square, and Social<br>Dance .....HPER W224                      | 1     |
| Modern Dance .....HPER W100                                          | 1     | First Aid .....HPER H160                                              | 2     |
| Introductory Rhythmic<br>Training .....HPER W124                     | 1     | Modern Dance .....HPER W100                                           | 1     |
| Social and Behavioral Science                                        | 3     | Basic Human Anatomy .....Anat. A215                                   | 5     |
| Music Appreciation .....Music M174                                   | 3     | *Introduction to Writing and<br>Study of Literature II .....Eng. L142 | 4     |
| Hockey and Folk Square                                               | 1     | Anthropology .....Anth. A103                                          | 3     |
| Dance .....HPER W100                                                 | 1     |                                                                       | 17    |
|                                                                      | 16    |                                                                       | 17    |

### Sophomore Year

|                                            |    |                                                   |    |
|--------------------------------------------|----|---------------------------------------------------|----|
| Individual Sports I .....HPER W121         | 1  | Advanced Modern Dance II .....HPER W202           | 1  |
| Teaching of Team Sports .....HPER W325     | 1  | Dance and Allied Arts II .....HPER W312           | 3  |
| Advanced Modern Dance I .....HPER W201     | 1  | Teaching of Modern Dance .....HPER W324           | 1  |
| Dance and Allied Arts I .....HPER W311     | 3  | Modern Dance Workshop .....HPER W214              | 1  |
| Examining Self as Teacher .....Educ. F200  | 3  | Human Development and<br>Learning .....Educ. P280 | 5  |
| Humanities (Art Appreciation)              | 3  | Fundamentals of Acting .....Theater T120          | 3  |
| Basic Mammalian Physiology .....Phsl. P215 | 5  | Elective .....                                    | 1  |
|                                            | 17 |                                                   | 15 |

### Junior Year

|                                                            |    |                                                             |    |
|------------------------------------------------------------|----|-------------------------------------------------------------|----|
| Kinesiology .....HPER P397                                 | 3  | Adapted Physical Education .....HPER P398                   | 3  |
| Organization of Health<br>Education .....HPER H464         | 2  | Theory and Practice of Dance<br>Technique II .....HPER W302 | 1  |
| Theory and Practice of Dance<br>Technique I .....HPER W301 | 1  | Modern Dance Composition<br>II .....HPER W212               | 2  |
| Modern Dance Composition I .....HPER W211                  | 2  | Dance Production II .....HPER W412                          | 3  |
| Dance Production I .....HPER W411                          | 3  | Rhythmic Form and Analysis .....HPER W213                   | 2  |
| Modern Dance Workshop .....HPER W214                       | 1  | Individual Sports II .....HPER W322                         | 1  |
| Social and Behavioral Science                              | 3  | Modern Dance Workshop .....HPER W214                        | 1  |
|                                                            | 15 | Social and Behavioral Science                               | 3  |
|                                                            | 15 |                                                             | 16 |

### Senior Year

|                                                                        |   |                                                                         |    |
|------------------------------------------------------------------------|---|-------------------------------------------------------------------------|----|
| Dance Summary I .....HPER W401                                         | 1 | Dance Summary II .....HPER W402                                         | 1  |
| Methods of Teaching Physical<br>Education for Women .....Educ. M457    | 3 | Student Teaching in the High<br>School .....Educ. M480                  | 8  |
| Laboratory Teaching in the Basic<br>Instruction Program .....HPER P495 | 1 | Secondary Education and<br>Guidance .....Educ. S485                     | 3  |
| Musical Resources for Dance .....HPER W328                             | 2 | Dance in Elementary<br>Education .....HPER W223                         | 1  |
| Modern Dance Workshop .....HPER W214                                   | 1 | Organization and Administration<br>of Physical Education .....HPER W400 | 2  |
| Life and Physical Science                                              | 3 |                                                                         | 15 |
| General Education                                                      | 3 |                                                                         | 14 |

\* Or acceptable English alternative.

## Physical Education Area Major (52 hrs.) for Women

### *Elementary Physical Education Area\**

Four-year program leading to a Provisional Teaching Certificate and the degree Bachelor of Science in Physical Education.

#### Freshman Year

| <i>First Semester</i>                                    | Hours       | <i>Second Semester</i>                                    | Hours         |
|----------------------------------------------------------|-------------|-----------------------------------------------------------|---------------|
| Orientation to Physical Education .....                  | HPER W120 2 | Folk, Square, and Social Dance .....                      | HPER W224 1   |
| Individual Sports I .....                                | HPER W121 1 | Team Sports .....                                         | HPER W122 1   |
| First Aid .....                                          | HPER H160 2 | Public Speaking .....                                     | Speech S121 2 |
| Introductory Psychology I .....                          | Psy. P101 3 | Basic Human Anatomy .....                                 | Anat. A215 5  |
| Hockey; Folk and Square Dance .....                      | HPER W100 1 | Social or Behavioral Science .....                        | 3             |
| Social or Behavioral Science .....                       | 3           | †Introduction to Writing and Study of Literature II ..... | Eng. L142 4   |
| †Introduction to Writing and Study of Literature I ..... | Eng. L141 4 |                                                           | 16            |
|                                                          | 16          |                                                           |               |

#### Sophomore Year

|                                                   |              |                                                                        |              |
|---------------------------------------------------|--------------|------------------------------------------------------------------------|--------------|
| Physical Education in the Elementary School ..... | HPER P290 2  | Individual Sports II .....                                             | HPER W322 1  |
| Gymnastics, Tumbling, and Apparatus .....         | HPER W222 2  | Modern Dance .....                                                     | HPER W103 1  |
| Dance in Elementary Education .....               | HPER W223 1  | Practicum in Pre-School and Elementary School Physical Education ..... | HPER P395 1  |
| Examining Self as Teacher .....                   | Educ. F200 3 | Human Development and Learning .....                                   | Educ. P280 5 |
| Basic Mammalian Physiology .....                  | Phsl. P215 5 | Social and Behavioral Science .....                                    | 3            |
| Humanities .....                                  | 4            | Humanities .....                                                       | 3            |
|                                                   | —            | Elective (Elementary Area) .....                                       | 2            |
|                                                   | 17           |                                                                        | 16           |

#### Junior Year

|                                     |             |                                                    |               |
|-------------------------------------|-------------|----------------------------------------------------|---------------|
| Teaching of Team Sports .....       | HPER W325 1 | Teaching of Individual Sports .....                | HPER W323 1   |
| Sports Officiating .....            | HPER W326 1 | Management of Extracurricular Activities .....     | HPER W416 2   |
| Swimming or Proficiency .....       | HPER W100 1 | Adapted Physical Education .....                   | HPER P398 3   |
| Kinesiology .....                   | HPER P397 3 | Research in Physical Education and Athletics ..... | HPER P499 1   |
| Social and Behavioral Science ..... | 3           | Research in Physical Education and Athletics ..... | HPER P499 1-3 |
| Life and Physical Science .....     | 2-3         | Organization of Health Education .....             | HPER H464 2   |
| Elective (Elementary Area) .....    | 3           | Electives (General Education) .....                | 4             |
|                                     | —           |                                                    | 14-16         |
|                                     | 14-15       |                                                    |               |

#### Senior Year

|                                                        |              |                                                             |              |
|--------------------------------------------------------|--------------|-------------------------------------------------------------|--------------|
| Teaching of Modern Dance .....                         | HPER W324 1  | Organization and Administration of Physical Education ..... | HPER W400 2  |
| Tests and Measurements in Physical Education .....     | HPER P493 3  | Laboratory Teaching in the Basic Instruction Program .....  | HPER P495 1  |
| Research in Physical Education and Athletics .....     | HPER P499 3  | Secondary Education and Guidance .....                      | Educ. S485 3 |
| Methods of Teaching Physical Education for Women ..... | Educ. M457 3 | Student Teaching .....                                      | Educ. M480 8 |
| Electives .....                                        | 5            |                                                             | 14           |
|                                                        | 15           |                                                             |              |

\* A student desiring to pursue an area other than Elementary Physical Education within the 52-hour area major may select from the following specializations: Aquatics, Gymnastics, Individual Sports, Modern Dance, or Team Sports.

This endorsement qualifies the holder to teach Physical Education K-12.

† Or acceptable English alternative.

### Athletic Training Emphasis

The Athletic Training Emphasis\* may be earned in conjunction with the major in Health and Safety Education or with the major in Physical Education. Specific course requirements leading to this endorsement are shown below.

#### *Option Health and Safety*

B.S. in Health and Safety with the Athletic Training Emphasis.

In addition to the pattern for the Health and Safety Major (p. 30) the following courses should be taken to meet the requirements for the Athletic Training Emphasis:

|                                                   | Hours       |                                                   | Hours                |
|---------------------------------------------------|-------------|---------------------------------------------------|----------------------|
| Orientation in Athletic Training I .....          | HPER A181 1 | Scientific Foundations of Athletic Training ..... | HPER A383 3          |
| Orientation in Athletic Training II .....         | HPER A182 1 | Practicum in Athletic Training .....              | HPER A481 2          |
| Basic Principles of Athletic Training .....       | HPER A281 3 | Coaching of Football .....                        | HPER A361 1½         |
| Basic Techniques of Taping and Bandaging .....    | HPER A282 3 | Coaching of Basketball .....                      | HPER A362 1½         |
| Laboratory Practice in Athletic Training I .....  | HPER A381 2 | Coaching of Baseball .....                        | HPER A363 1½         |
| Laboratory Practice in Athletic Training II ..... | HPER A382 2 | Coaching of Track and Field .....                 | HPER A364 1½         |
|                                                   |             | Kinesiology .....                                 | HPER P397 3          |
|                                                   |             | Adapted Physical Education .....                  | HPER P398 3          |
|                                                   |             | Physiology of Exercise .....                      | Phsl. P309 4         |
|                                                   |             | Physics in the Modern World .....                 | Phys. P101 3         |
|                                                   |             | Chemistry .....                                   | Chem. C100 or C101 5 |

#### *Option Physical Education*

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

In addition to the pattern for the Physical Education Major (p. 29) the following courses should be taken to meet the requirements for the Athletic Training Emphasis:

|                                                  |             |                                                   |                      |
|--------------------------------------------------|-------------|---------------------------------------------------|----------------------|
| Orientation in Athletic Training I .....         | HPER A181 1 | Laboratory Practice in Athletic Training II ..... | HPER A382 2          |
| Orientation in Athletic Training II .....        | HPER A182 1 | Scientific Foundations of Athletic Training ..... | HPER A383 3          |
| Basic Principles of Athletic Training .....      | HPER A281 3 | Practicum in Athletic Training .....              | HPER A481 2          |
| Basic Techniques of Taping and Bandaging .....   | HPER A282 3 | Personal Health .....                             | HPER H363 3          |
| Laboratory Practice in Athletic Training I ..... | HPER A381 2 | Human Nutrition .....                             | Home Ec. H231 2      |
|                                                  |             | Physiology of Exercise .....                      | Phsl. P309 4         |
|                                                  |             | Chemistry .....                                   | Chem. C100 or C101 5 |
|                                                  |             | Physics in the Modern World .....                 | Phys. P101 3         |

\* This athletic training curriculum has been approved by the National Athletic Trainer's Association.

## Courses in the School of Health, Physical Education, and Recreation, 1976-77

---

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

### ATHLETICS

- \*A181-A182 Orientation in Athletic Training I-II (1-1 cr.)  
Introduction to planning and operation of athletic training room, equipment room, and locker areas. Opportunity for observing training room techniques.
- †A281 Basic Principles of Athletic Training (3 cr.)  
The role of the trainer in sports, professional relationships with other disciplines, principles of athletic fitness, and organization and administration of training program stressed. Practical experience offered to those with an emphasis in athletic training.
- ‡A282 Basic Techniques of Taping and Bandaging (3 cr.)  
Through classroom study, students will learn the skills of taping, bandaging, and first aid methods associated with prevention and care of athletic injuries. Assignments in the training room for those emphasizing athletic training provide practical experience.
- A361 Coaching of Football (1½ cr.)  
Fundamentals of offensive and defensive line and backfield play; technique of forward passing; outstanding rules; offensive plays, most frequently used defenses.
- A362 Coaching of Basketball (1½ cr.)  
Fundamentals of basket shooting, passing, ball handling, and footwork; patterns against man-to-man defense, zone defense, and zone pressure defense—full court and half court. Strategy of playing regular season and tournament play. Psychology of coaching.
- A363 Coaching of Baseball (1½ cr.)  
Fundamentals of pitching, catching, batting, base running, infield and outfield play; offensive and defensive strategy; organization and management.
- A364 Coaching of Track and Field (1½ cr.)  
Fundamental procedures in conditioning and training for cross country, track, and field. Gives basic understanding of each event's coaching strategy and coaching psychology. Home meet organization and management.
- A365 Coaching of Wrestling (1½ cr.)  
Three basic purposes: a better understanding and appreciation of collegiate and high school wrestling; teaching the basic fundamentals of wrestling—takedowns, escapes, reversals, pinning combinations, and counter maneuvers for each; interpreting and insuring proper use of amateur wrestling rules.
- A366 Coaching of Gymnastics (1½ cr.)  
Practical and theoretical experiences in gymnastics dealt with: Students participate in performance of skills in the gym and in class discussion sessions dealing with conducting of meets, organizing work outs, ordering equipment, officiating, history and development of gymnastics, governing bodies, and psychology of coaching.
- A367 Coaching of Swimming and Diving (1½ cr.)  
Theory and methods of coaching swimming and diving covering technical, administrative, and organizational aspects involved in the process. Emphasis placed on fundamentals, conditioning, and coaching psychology.
- A368 Coaching of Tennis (1½ cr.)  
Theory and methods of coaching tennis covering technical, administrative, and organizational aspects involved in the process. Emphasis placed on fundamentals, tactics, conditioning, and conduct of practice sessions.
- ‡A381-A382 Laboratory Practice in Athletic Training I-II (2-2 cr.)  
Laboratory hours are assigned so that students have an opportunity to practice athletic training skills during all sports seasons. Direct supervision and guidance provided by the Athletic Team Physician and the Athletic Training Staff.

---

\* Required of freshmen with emphasis in athletic training.

† Required of athletic training students and open also to HPER students above freshman level with permission of the instructor.

‡ Open only to students with Athletic Training Emphasis.

- \*A383 Scientific Foundations of Athletic Training (3 cr.)  
Classroom course emphasizing policies and procedures related to organization and administration of a comprehensive athletic training program on a high school and/or college level. Includes advanced techniques of managing athletic injuries.
- A480 Care and Prevention of Athletic Injuries (1 cr.)  
Course designed to assist student in recognizing, understanding, and managing athletic injuries. Methods of taping and bandaging are emphasized.
- \*A481 Practicum in Athletic Training (2 cr.)  
Variety of experiences provided through assignments to University varsity sports, high school sports, middle school sports, and reserve programs. Students will be under the experienced guidance and control of medical and athletic training supervisors.
- A483 Principles of Sports Officiating (2 cr.)  
Ethics of sports officiating; mastery, interpretation, and application of sports rules. Laboratory and classroom experiences.
- A484 Interscholastic Athletic Programs (2 cr.)  
An overview of the operation of athletic programs in the schools for men and women. Administrative structure on national and state levels. Policies and procedures as they pertain to budget, facilities, eligibility, contest regulations, safety, and current trends.
- †A485 Advanced Undergraduate Techniques (cr. arr.)  
Advanced preparation in techniques of teaching such sports and activities as swimming, wrestling, football, baseball, track and field, minor athletic games, gymnasium floor apparatus, and rhythmic.
- A581 Principles and Practices in Athletic Training (3 cr.)  
Organization, administration, and functions of athletic training programs emphasized. Laboratory experiences related to various techniques in conditioning and bandaging practiced.
- A582 Problems in Athletic Training (3 cr.)  
Study of the various problems confronting an athletic trainer. These experiences are developed through lectures, demonstrations, and discussions with authorities, including physicians and lawyers, in the areas of concern.
- A583 Administrative Theory of Competitive Sports Programs (3 cr.)  
Organization of high school athletics with reference to national, state, and local control. Staff, program, budget, health and safety, facilities, and other phases of administration.
- A584 Administration of Athletic Training (3 cr.)  
Designed to provide classroom and practical experience in developing pre-athletic physical examinations, the athletic training responsibilities as viewed by the administrator of athletic programs, certification examination requirements, and Cardio-Pulmonary Resuscitation.
- A585 Rehabilitation and Conditioning of Athletes (3 cr.)  
Introduction to the scientific background necessary for understanding, planning, and conducting conditioning and rehabilitation programs for athletes; procedures, methods, and factors for developing such programs are emphasized.
- A586 Athletic Training Principles for Therapeutic Modalities (3 cr.)  
Physical chemical properties of hydro and electro therapy with an emphasis on the physiological and anatomical principles, techniques, and legal aspects of application.
- A640 Independent Study and Research (cr. arr.)  
Independent research conducted under guidance of a graduate faculty member.
- A642 Internships in Athletics (2-8 cr.)  
Off-campus professional field experience in school or agency situation under qualified supervision. Offered only after completion of course work for master's degree.
- A643 Practicum in Athletics (cr. arr.)  
Practical field experience under supervision and seminar discussions.

## HEALTH EDUCATION

(See also Safety Education)

- H160 First Aid (2 cr.)  
Lecture and demonstration on first-aid measures for wounds, hemorrhage, burns, exposure, sprains, dislocations, fractures, unconscious conditions, suffocation, drowning, and poisons, with skill training in all procedures.
- H363 Personal Health (3 cr.)  
Acquaints prospective teachers with basic personal health information; provides motivation for intelligent self-direction of health behavior with emphasis on responsibilities as citizens and as teachers. Study of physiological and psychological bases for health, drugs and other critical issues, and family health.

---

\* Open only to students with Athletic Training Emphasis.

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

- H364 Health Problems of Exceptional Children (3 cr.)  
Causes of mental and physical deviations from normal are studied; basis for health inspection duties of teachers; organization of health lessons and utilization of health situations for health education; restricted and adapted physical activities suitable for exceptional children.
- H366 Health Problems in the Community (3 cr.)  
Human ecology as it relates to interaction of social and physical phenomena in solution of community health problems. Considers the promoting of community health, programs of prevention, environmental health, and health services.
- H460 Instructor's Course in First Aid (2 cr.)  
P: standard first-aid certificate or completion of H160 and junior or senior class standing. Advanced consideration of first aid subject matter; orientation in methods, techniques, and teaching devices in first-aid courses; practical classroom instruction required. Completion of courses qualifies one as Standard First Aid and Personal Safety Instructor.
- H464 Organization of Health Education (2 cr.)  
P: HPER H363 or permission of instructor. Organization of total health program involving health services, healthful school living, and health instruction. Content and materials suitable for a high school health course stressed. Introduction to public health, functions of voluntary and official agencies, and textbook evaluation.
- H465 Community Health Education (3 cr.)  
Place of the teacher in community health education program. Considers need of program, various media and methods which may be employed, place of existing agencies in the program.
- H490 Critical Issues in Health, Physical Education, and Recreation (2 cr.)  
Analysis of current social problems pertinent to the responsibilities of the health, physical education, and recreation professions. An honors seminar which is open to superior students at junior and senior levels. Admission by invitation only.
- H499 Research in Health and Safety Education (cr. arr.)  
Undergraduate research done in the field of health and safety under a faculty adviser in the department.
- C511 Epidemiology (3 cr.)  
A nonmedical introduction to epidemiological approach in public health. Consideration of selected communicable and noncommunicable diseases of special concern in public health practice with emphasis on role of education in disease control.
- C512 Environmental Health Science (3 cr.)  
Principles of environmental health and public health sanitation; elements of microbiology and communicable disease control, water supply, sewage treatment and stream pollution control, food and drug control standards, insect and rodent control, miscellaneous environmental hazards such as air pollution, radiological health, industrial hygiene, solid waste disposal.
- C523 Community Health Organization and Administration (3 cr.)  
Organizational structure and functions of public health program; considers official health agencies, nonofficial health agencies, professional associations, sponsored agencies, civic and service clubs; how health agencies meet public needs.
- C591 Public Health Statistics (3 cr.)  
Designed to acquaint the public health educator with collection, organization, and interpretation of data pertinent to public health and vital statistics; includes introduction to statistical methods, population data, mortality and morbidity rates, ratios and life tables.
- C609 Public Health Education (3 cr.)  
P: HPER H510 and C523. Stresses group communications such as skillful writing, effective speech, use of various communications media; applies principles and procedures of group and intergroup dynamics to work of voluntary and official health agencies in the health education of the public.
- C610 Coordinating the Health Program in the School and Community (3 cr.)  
Functions of health coordinators in coordination of healthful living, health service, and health instruction; school and community health programs; relationship of health agencies; use of school health committees and community councils.
- C690 Field Experience in Public Health (2-8 cr.)  
Practical experience in public health education through assignment to a public health department, voluntary health agency, or equivalent agency in field of health and safety education. Project report required.
- H510 Organization and Administration of the School Health Program (3 cr.)  
Public health laws relating to schools, cooperation and coordination of community agencies, environmental factors, school health services, health instruction, evaluation of program.
- H513 Problems in Content and Method in Health Education (2 cr.)  
For experienced health educators. Information, with experimental and other forms of research, on content of instruction at various levels. Suitability of method as determined by need, interest, and comprehension ability.
- H514 Health and Safety Education in the Elementary School (3 cr.)  
New teaching approaches to health instruction for elementary teachers. Emphasis on first-aid, health fairs, school museums, health methodology, system analysis, and health content.

- H516 Health Education Curriculum (3 cr.)  
Organization and development of school health education curriculum and consideration of courses of study; discrimination between curriculum and course of study; techniques for course of study construction. Laboratory work.
- H517 School and Community Health Workshop (3 cr.)  
Interrelations and interactions of school and community health programs are considered. Presentations by outstanding authorities from throughout Indiana and other states regarding critical health topics. Planned for teachers, nurses, physicians, public health personnel, and voluntary health personnel.
- H519 Problems and Issues in Health (3 cr.)  
Health aspects and health education implications of current problems and issues, including smoking, alcohol and drugs, venereal disease, and other critical health problems. Lectures by leading authorities in cooperation with state voluntary and official health agencies.
- H617 Seminar in Health Education (cr. arr.)  
Problems in the field of health and safety education.
- H617 Seminar in Health Education (Alcoholism, Alcohol Education, and Drug Misuse) (3 cr.)  
Workshop planned especially for teachers, social worker, nurses, physicians, law enforcement personnel, and clergymen; program includes lectures and discussion of physiology of alcohol; sociological, medical, and psychiatric aspects; theological and legal problems; drug use and misuse; educational principles related to teaching and counseling in these problem areas.
- H617 Seminar in Health Education (Medical Self-Help and Disaster Preparedness) Instructor's Course (3 cr.)  
Up-dates teachers, administrators, and other school personnel in the new concepts of emergency care and family survival. Reviews medical self-help and the Personal and Family Survival courses as offered by Civil Defense. Offers American Red Cross Instructor's Training Material and gives Standard First-Aid and Personal Safety Instructor certification to those qualifying.
- H618 School Health Surveys (3 cr.)  
Techniques and standards in making surveys of healthful school living policies, health service, health instruction. Survey of a school health program.
- H640 Independent Study and Research (cr. arr.)  
Independent research conducted under guidance of a graduate faculty member.
- H641 Readings in Health Education and Safety Education (cr. arr.)  
Guided readings for broadening information and understanding of the profession. Restricted to advanced master's and director's candidates.
- H642 Internships in Health Education and Safety Education (2-8 cr.)  
Off-campus professional field experience in school or agency situation under qualified supervision. Offered only after completion of course work for master's degree.
- H643 Practicum in Health Education and Safety Education (cr. arr.)  
Practical field experience under supervision and seminar discussions. Grading for this course should be Pass-Fail basis.
- H740 Advanced Research in Health Education and Safety Education (cr. arr.)  
In-depth research by directorate or doctoral candidate.
- H741 Advanced Readings in Health Education and Safety Education (cr. arr.)  
Guided readings for broadening information and understanding of field or specialty.

### PHYSICAL EDUCATION FOR MEN

- M130 Basic Instruction in Physical Education for Men (1 cr.)  
Instruction in basic sports skills for male University Division students. Reasonable competence in individual and dual sports stressed; physical limitations considered; emphasis on carry-over value of recreational sports and need for continued physical fitness.
- M131 Teaching of Gymnastics (Tumbling and Apparatus) (1 cr.)  
Tumbling, simple stunts, pyramid building, marching tactics, and calisthenics. Performance of these skills are developed; teaching techniques, methods of class organization, and safety procedures stressed. Opportunity to practice use of teaching skills. Work on parallel and horizontal bars, rings, long and side horses.
- M132 Teaching of Group Games and Rhythmics (1 cr.)  
Games of low and high organization, and lead-up games. Elementary rhythmics. Emphasis on skill development and methods of teaching.
- M151 Teaching of Tennis and Archery (1 cr.)  
Instruction in tennis and archery for male University Division students with a declared major in physical education.
- M152 Teaching of Bowling and Golf (1 cr.)  
Instruction in bowling and golf for male University Division students with a declared major in physical education.

- M231 Teaching of Judo and Wrestling (1 cr.)  
Teaching of and participation in activities not included in other skill courses in curriculum. Emphasis on teaching aspect of the activity.
- M232 Teaching of Volleyball and Soccer (1 cr.)  
Teaching of and participation in activities not included in other skill courses in the curriculum. Emphasis on teaching aspects of the activities.
- M249 Rhythmic Techniques (1 cr.)  
Twenty-five to thirty folk and gymnastic dances and singing games suitable for playground, gymnasium, community center, and recreation in general.
- M335 Elective Physical Education Activities for Men (1-2 cr.)  
Instruction in sports for those with some prior knowledge and skills to increase competence beyond beginning level.
- M444 Administration, Organization, and Supervision of Physical Education (3 cr.)  
Philosophy and methodology of organizing and administering physical education, intramural, and athletic programs from standpoint of the teacher. Role of physical education teacher in conduct of the school health program and school recreation program.

## PHYSICAL EDUCATION

- P180 Introduction to Physical Education (2 cr.)  
An orientation for those students who plan to major in physical education. An overview of the field and related areas; the nature and scope of physical education and its relationship to education.
- P190 Fundamentals of Human Movement (1 cr.)  
Laboratory course dealing with the underlying factors that influence movement and the application of these factors to specific games, sports, aquatics, and self-testing activities.
- P195 History and Principles of Physical Education (3 cr.)  
Understanding and interpretation of principles of modern physical education program. Contributions of historical programs related to development of present-day program.
- P290 Physical Education in the Elementary School (2 cr.)  
Games and physical education activities suitable for elementary school physical education programs; philosophy of elementary physical education, various teaching techniques and methods, conducting of tournaments, implementing safety. Students teach each other for practice.
- P354 Problems of Teaching Rhythms in Elementary Grades (2 cr.)  
For elementary and physical education teachers working with elementary pupils.
- P384 Aquatics (1 cr.)  
Primarily for physical education and recreation majors. Emphasizes techniques of teaching swimming as well as the improvement of the students' swimming skills.
- P385 Pool Management, Maintenance, and Construction (2 cr.)  
Information in pool management, maintenance, and construction with emphasis on the newest design information and construction techniques.
- P390 Movement Experiences for Pre-School and Elementary School Children (2 cr.)  
Provides the student with knowledge of potential outcomes of pre-school and elementary school motor development programs, of how to implement such programs, and of appropriate movement experiences for young children. Also provides the student with opportunities for observing and teaching young children in a structured gymnasium setting.
- P395 Practicum in Pre-School and Elementary School Physical Education (cr. arr.)  
Provides the student with supervised teaching experiences in physical education with pre-school and elementary school children.
- P397 Kinesiology (3 cr.)  
P: Anatomy A215. Application of facts and principles of anatomy, physiology, and mechanics to problems of teaching physical education skills and activities of daily living.
- P398 Adapted Physical Education (3 cr.)  
P: Anatomy A215 and HPER P397 or permission of instructor. Study of conditions which require physical education programs to be adapted to special needs of individuals, including analysis of normal and faulty postures. Principles and practices in application of exercises and activities for specific conditions.
- P399 Practicum in Adapted Physical Education (1-2 cr.)  
P: HPER P398. A practical learning experience in adapted physical education with handicapped children.
- P400 Foundations of Physical Education (3 cr.)  
Philosophy and principles of physical education; a study of the biological, sociological, and psychological factors which underlie and influence this discipline.
- P444 Issues in Physical Education (3 cr.)  
A senior seminar. Major arguments pro and con on a number of controversial ideas in the field of physical education are considered.

- P447 Special Problems in Physical Education and Athletics (cr. arr.)  
Workshops, institutes, clinics, or seminars in physical education or athletics. Credit will depend upon the nature of the project undertaken and length of time involved. Course may be repeated.
- P493 Tests and Measurements in Physical Education (3 cr.)  
Theory of measurement in physical education, selection and administration of appropriate tests, interpretation of their results by fundamental statistical procedures.
- P495 Laboratory Teaching in the Basic Instruction Program (1 cr.)  
Pre-practice teaching experience. Laboratory phase includes assisting in conduct of basic instruction program. Classroom discussion of pertinent problems of teaching physical education.
- P499 Research in Physical Education and Athletics (cr. arr.)  
This course is open to junior and senior majors or minors in physical education.
- P527 Growth and Physical Performance of the Pre-School and Elementary School Child (3 cr.)  
P: Psychology P316 or equivalent to Psychology of Childhood and Adolescence or its equivalent. A study of the physical development and characteristic reactions of children, pre-school and elementary, in relation to movement and performance. Identification of the special needs of children as related to performance skills. Integration of human performance with physical activity in learning environments.
- P530 Advanced Theories of High Level Performance (3 cr.)  
A study of experimental and empirical theories of high level performance, including means of acquiring physiological endurance. Presentation of fluid mechanics.
- P533 Theory and Techniques of Dance for High School and College (3 cr.)  
For high school and college teachers. Theory and practical work; development of skills which make the body an instrument of expression.
- P534 Problems of Teaching Rhythms in Elementary Grades (3 cr.)  
A course especially designed for elementary teachers and physical education teachers working with elementary children. Theory and practical approach in teaching dance movement.
- P535 Physical Education in the Elementary School (3 cr.)  
Games, rhythms, self-testing activities appropriate to physiological, psychological, and emotional development. Organization of the program, scheduling of classes, allocation of facilities and equipment. For specialists in physical education, classroom teachers, elementary school administrators.
- P536 Principles and Practices in Supervision of Physical Education in the Elementary School (3 cr.)  
Educational philosophies underlying modern physical education programs. Relationship of elementary physical education to the total curriculum. In-service programs to assist classroom teachers and specialists in planning games, rhythms and self-testing techniques. Scheduling of indoor and outdoor facilities, blueprinting of gymnasium and playground areas, public relations programs.
- P537 Relationship of Growth Patterns of the Junior High School Student to Physical Performance (3 cr.)  
P: HPER P535 or equivalent. Study of effects of experiences in complex movement patterns on growth and development of junior high school student.
- P538 Mechanical Analysis of Human Performance (3 cr.)  
P: HPER P397. Analysis and measurement of human performance; theories of performance: examination of mechanical principles: individual studies.
- P539 Facilities for Physical Education, Recreation, Health and Safety (3 cr.)  
Principles, terminology, standards for planning, construction, use, maintenance of facilities for indicated programs, standard authoritative references studied and critically evaluated.
- P540 Organization and Administration of Intramural Sports (3 cr.)  
History, present status, objectives of intramural movement; organization, and affiliation with other departments; units of competition from elementary to college level; program of activities, group, team, and individual schedule-making and scoring plans; rules and regulations, awards, special administrative problems.
- P543 Supervision in Physical Education (3 cr.)  
Principles, problems, relationships, procedures in supervision of physical education.
- P544 Administration of Physical Education (3 cr.)  
Principles, problems, procedures for administering a city physical education program from viewpoint of city director or school administrator.
- P545 The Physical Education Curriculum (3 cr.)  
Principles, problems, procedures in development of physical education curriculum; developing a course of study in physical education for a chosen situation.
- P546 Movement Performance of the Exceptional Child (3 cr.)  
Movement performance of the exceptional child appraised; consideration given to study of characteristics of physically and mentally handicapped children and their limitations in movement performance and adaptations in physical activities. Means of assessing performance of handicapped children is included.

- P547 Measurement and Evaluation in Physical Education (3 cr.)  
Theory of measurement in health and physical education, selection and administration of appropriate tests, interpretation of results by statistical procedures. Project required to apply theory involved.
- P548 The Nature and Basis of Motor Skill (3 cr.)  
Factors that make for successful motor performance; review of available psychological data as applied to problems of motor performance.
- P549 Organization of Physical Therapy (2 cr.)  
Special fields of physical rehabilitation; use of exercise, massage, heat, water, electricity, various forms of radiation in public schools; some demonstrations.
- E555 Methods in Three Arts: Art, Dance, Music (K-12) (3 cr.)  
A creative approach to teaching art, dance, and music. Includes theory and experience in presenting the three arts through team teaching, with lectures and laboratory opportunities.
- P556 Problems in Adapted Physical Education (3 cr.)  
P: P546 or its equivalent. A study of problems as they relate to philosophy, procedures, and practices in Adapted Physical Education.
- P630 The Role of Sports in Society (3 cr.)  
Significance of sports in society; examination of relationship of sports to other elements of the culture; how sports contribute to human welfare in advanced technological society.
- P635 Problems and Issues in Higher Education in Physical Education (3 cr.)  
Historical review; purposes of higher education at several levels and review of curricula emphases at each level; problems of selection, guidance, placement, facilities; retention of personnel; methods and policies in higher education; pertinent issues and trends.
- P637 Study of Factors Affecting Human Performance (3 cr.)  
Study of human movement based on scientific foundations of human performance, including advanced kinesiological theories and neuromuscular integration.
- P638 Biomechanics of Human Performance (3 cr.)  
P: P538 or equivalent. Analysis of selected research in biomechanics; use of cinematographic and other techniques for study of human performance; individual studies.
- P639 Psychological Aspects of Sports (3 cr.)  
Study of psychological factors affecting sports competition; principles of motor learning and performance applied to participation in sports activities; special projects.
- P640 Independent Study and Research (cr. arr.)  
Independent research conducted under guidance of a graduate faculty member.
- P641 Readings in Physical Education (cr. arr.)  
Guided readings for broadening information and understanding of the profession. Restricted to advanced master's and director's candidates.
- P642 Internships in Physical Education (2-8 cr.)  
Off-campus professional field experience in school or agency situation under qualified supervision. Offered only after completion of course work for master's degree.
- P643 Practicum in Physical Education (cr. arr.)  
Practical field experience under supervision and seminar discussions. Grading for this course should be Pass-Fail basis.
- P646 Current Issues in Adapted Physical Education (3 cr.)  
Identification, analysis, and evaluation of current issues, research, and trends in adapted physical education.
- P647 Seminar in Physical Education (cr. arr.)  
Problems in physical education.
- P740 Research in Physical Education (cr. arr.)
- P741 Readings in Human Performance (2-5 cr.)  
Advanced readings in one or more of the areas in physical education including biomechanics, physiology of exercise, and sports psychology, encompassing domestic and foreign publications.
- P742 Experimental Laboratory Techniques (2-5 cr.)  
Experimental investigation of problems in the area of human performance, including laboratory design and advanced research techniques.
- P799 Ph.D. Thesis (25-30 hrs.)

## RECREATION AND PARK ADMINISTRATION

- R160 Man, His Leisure and Recreation (3 cr.)  
Study of historic development of leisure, attitudes taken toward it, and theories as to its cause. An opportunity to develop a personal philosophy of leisure and recreation and an understanding of professional preparation.

- R261 Recreation in American Life (3 cr.)  
P: R160. A comprehensive survey of agencies, institutions, and organizations that provide recreation services to the community, region, state, and nation.
- R265 Introduction to Public Parks and Recreation (2 cr.)  
P: R160 and R261. Role of public agencies in parks and recreation with an orientation as to local, county, regional, state, and federal agencies' responsibilities for parks and recreation.
- R266 Management of Park and Recreation Facilities I (3 cr.)  
P: R265. Introduction to the principles and practices of operating park and recreation systems with an emphasis on management of playgrounds, golf courses, swimming pools, and community sports.
- R267 Management of Park and Recreation Facilities II (3 cr.)  
P: R266. Principles and practices of managing community centers, artificial ice rinks, marinas and beaches, and other related facilities.
- R271 Dynamics of Outdoor Recreation (3 cr.)  
P: R160 and R261. Philosophical orientation to the field of outdoor recreation; camping, outdoor education, and natural resource management with emphasis on programs, trends, resources, and values.
- R272 Recreation Leadership and Programming (3 cr.)  
P: R160 and R261. Development of face to face leadership, enthusiasm and creative leadership methods and techniques that can be applied to all recreational settings through the use of creative recreational activities.
- R273 Arts and Crafts (2 cr.)  
Principles and techniques of recreation arts and crafts for school, hospital, youth agency, recreation center, playground, and other settings.
- R274 Introduction to Community Recreation (2 cr.)  
Scope of community recreation; its organization, and relation to other social institutions; program content and leadership.
- R275 Camp Counselor's Training Course (2 cr.)  
Role of counselors in relation to objectives, organization, guidance, leadership skills, program resources in organized camps.
- R277 Introduction to Therapeutic Recreation (2 cr.)  
Theoretical, philosophical, and historic foundation of therapeutic recreation; role of the treatment and rehabilitation with a survey of major services and settings.
- R279 Camping and Outdoor Recreation Leadership (3 cr.)  
Examines the role of the leader in camping and outdoor recreation settings. Focuses on counseling and leadership techniques, with direct involvement in outdoor recreation experiences.
- R364 Post Field Work Seminar (3 cr.)  
P: Educ. M363. Seminar following professional field work for students to review and evaluate experiences and strive to establish personal guidelines and programs to complete their academic professional preparation.
- R367 Social Recreation (3 cr.)  
Planning, conducting, and evaluating activities and programs for various types of social events.
- R372 Interpretive Resources and Techniques (3 cr.)  
P: R271. Refinement of leadership competencies and techniques in interpreting natural and cultural resources required of conservationists, teachers, and other leaders responsible for such interpretation.
- R378 Techniques in Therapeutic Recreation (2 cr.)  
P: R277. Emphasis on leadership and intervention techniques with methods of assessment of client needs, activity analysis, and therapeutic use of recreation activity.
- R399 Practicum in Parks and Recreation (cr. arr.)  
Practical field experience under faculty supervision and with seminar discussions.
- R461 Program Administration (2 cr.)  
Fundamental principles and techniques of program development; seasonal, year round, specialty areas and total agency program planning.
- R466 Principles of Administration (3 cr.)  
P: R160, R261, R272, Educ. M363, R364. Introduction to the basic principles of administration covering such aspects as goals and objectives, policies, departmental organization, budgets, personnel, office management, and evaluation, especially as related to subadministrative and supervisory positions.
- R468 Planning and Park Design (2 cr.)  
P: R160, R261, R272. Introduction of policies, problems, and procedures in the preparation of recreation surveys, comprehensive master plans, and park design with emphasis upon planning procedures and content.
- R479 Problems in Therapeutic Recreation (3 cr.)  
P: R160, R261, R272. Working through the problems confronting the therapeutic recreator in the transition period between traditional medical practice and comprehensive health care for all people.
- R499 Research in Recreation (cr. arr.)  
Undergraduate independent research and study under the guidance of a faculty member.

- R500 Philosophy of Leisure and Recreation (3 cr.)  
Exploration of philosophical foundations for recreation in a dynamic society; challenge of increased leisure and role of recreation in present and predicted environments.
- R501 Leisure, Recreation, and Public Education (3 cr.)  
An in-depth exploration of the challenge of leisure education. Each student researches and plans for leisure education in his own professional setting.
- R510 Focus: Recreation in Special Settings (1-3 cr.)  
Course content will focus on different current problem settings (i.e., inner city, rural recreation, community organization, industrial recreation).
- R515 Special Concerns in Parks and Recreation (cr. arr.)  
Short term seminar for graduate students in recreation utilizing outstanding authorities in parks and recreation as visiting lecturers.
- R520 Administration of Recreation and Parks (3 cr.)  
Organization and administration of recreation on federal, state, local levels; legislative provisions, government control, financing, budget, personnel, departmental organization, administrative practices, especially on local level.
- R530 Surveys and Comprehensive Planning (3 cr.)  
Analysis and development of recreation surveys and comprehensive plans at federal, state, regional, and community levels. Emphasis on planning elements and techniques, data sources, standards, interpretation, and preparation of survey and planning reports. Opportunity for practical application of techniques.
- R531 Design and Development of Park and Recreation Areas (2 cr.)  
P: R530 or permission of instructor. Park and recreation area layout, design, and guidelines for facility development. Landscape analysis, program applications, site inspections, and preparation of park and recreation area development plans.
- R532 Operation and Maintenance of Park and Recreation Facilities (3 cr.)  
Management, operation, and maintenance of park and recreation areas and facilities.
- R535 Great Lakes Park Training Institute (1 cr.)  
Practicum training in the management of a continuing education institute for park and recreation administrators, supervisors, and technicians.
- R540 Outdoor Recreation (3 cr.)  
Survey of the dynamics of outdoor recreation in American life. Programs, trends, resources, elements of demand, administration, research, planning, economics, and interpretation. Intensive examination of selected public policy issues in outdoor recreation through small group seminars and individual study.
- R541 Camping Administration (3 cr.)  
Organization and administration of camps; program planning, selection and training of staff; camp site selection and development; health and safety.
- R542 Foundations of Outdoor Education (3 cr.)  
History, theory, and philosophy of outdoor education. Examination of school and community programs for various age levels. Opportunity to observe and participate in outdoor education experiences.
- R543 Programming in Outdoor Education (3 cr.)  
Study of camping and outdoor education programs of schools and voluntary agencies. Primary emphasis on program content and method.
- R550 Natural Resource Management (2 cr.)  
Principles and practices of natural resource management applicable to parks and recreation. An opportunity for students to develop an understanding of and appreciation for man's dependence on his natural surroundings, and to recognize the critical role the natural environment plays in satisfying the leisure requirements of man.
- R551 Wildlife Management on Recreation Areas (2 cr.)  
Introduction to problems and methods of wildlife management on natural areas.
- R560 Recreation for the Ill and Disabled (3 cr.)  
Concepts and characteristics of the ill and disabled; role, function, and significance of recreation for people with limitations; history and nature of therapeutic recreation service.
- R561 Elements of Therapeutic Recreation Service (3 cr.)  
Concepts of recreation activities as a treatment and rehabilitation tool; nature of settings; assessment and evaluation of clients' leisure and recreation needs; design and administration of therapeutic recreation programs.
- R565 Recreation for Later Maturity (2 cr.)  
Investigation of psychological, sociological, and physical characteristics of aging populations; exploration of services for the aging; analysis of problems related to leisure and recreation.
- R580 Administration of College Unions (3 cr.)  
Organization and administration of the college union as well as examination of its role in higher education.

- R600 Psychological and Sociological Aspects of Leisure (3 cr.)  
Depth investigation of leisure as it relates to individual and group living in present and predicted communities. Seminar experience for post master's students. Prerequisite R500 or consent of instructor.
- R602 Current Issues in Recreation (cr. arr.)  
Seminar on current issues in parks and recreation. For advanced graduate students only.
- R640 Independent Study and Research (cr. arr.)  
Independent research conducted under guidance of graduate faculty member.
- R641 Readings in Recreation (cr. arr.)  
Guided readings for broadening information and understanding of the profession. Restricted to advanced master's and director's candidates.
- R642 Internships in Recreation and Parks (2-8 cr.)  
Off-campus professional field experience in superior agencies under qualified supervision. Offered only after completion of course work for master's degree.
- R643 Practicum in Recreation and Parks (cr. arr.)  
Practical field experience under supervision and seminar discussions.
- R667 Seminar in Recreation (cr. arr.)
- R700 Professional Recreation Education (3 cr.)  
Investigation of concerns which relate to professional preparation in parks and recreation. For doctoral students or permission of instructor.
- R740 Advanced Research in Recreation (cr. arr.)  
In-depth research by directorate or doctoral candidate.
- R741 Advanced Readings in Recreation (cr. arr.)  
Guided readings for broadening information and understanding of the profession.

### SAFETY EDUCATION

(See also Health Education)

- S155 Driver Education (2 cr.)  
Prepares students for state examinations. Classroom instruction and supervised practice driving, including traffic situations, rules of the road, highway courtesies, and formation of desirable attitudes.
- S350 Content and Materials in Safety Education (2 cr.)  
For secondary school teachers and principals. General safety education in the instructional program, program content for the elementary school, and accident causes and remedial action. Laboratory has projects on campus and in community.
- S351 Leadership Development in the Shooting Sports (2 cr.)  
Trains voluntary leaders in community programs in shooting sports. Students may qualify as NRA certified rifle, pistol, and shotgun instructors. Emphasis on firearms safety and the teaching of marksmanship.
- S355 Traffic Safety Education for Business Majors (4 cr.)  
Basic principles of motor transportation and traffic safety practices as applied to business and industry. Selection, screening, placement, and educational programs for motor transport personnel. Acquaints business majors with testing procedures and the role of motor fleet supervision.
- \*S456 Traffic Safety Education for Teachers (4 cr.)  
Materials and methods for high school classroom and practice driving instruction. Psychophysical limitations of drivers, driving procedures, car procurement, scheduling, public relations, maintenance, pedestrian protection, skill exercises, road training. Students teach beginners. Driver's license required.
- S457 Industrial Safety Education (3 cr.)  
Basic principles of accident prevention as applicable to business and industry. Class discussions, case study method, visitations to local industrial plants. Human engineering aspects of accident and loss prevention.
- S557 Public Health Accident Control (3 cr.)  
P: a safety course and HPER C511. Designed with emphasis on epidemiology of accidents and accidents as a national problem; combination of such forces as the host, agent, and environment studied as contributing factors in accident causation; programs of voluntary and official community health and safety agencies analyzed to determine how they can effectively serve in conservation of human resources.
- S559 Administration and Supervision of Safety Education (3 cr.)  
Basic principles of safety education with emphasis on administrative and supervisory practices. Organization of specific accident prevention and injury control methods applicable to elementary and secondary school pupils. Human factors analyzed in accident causation related to the school and community, including hazard control technology in school management.

\* May be taken for graduate credit.

- S617 Seminar in Safety Education (1 or 2 cr.)
- S655 Problems in Driver Education and Highway Safety (3 cr.)  
 Administrative problems in high school driver education and highway safety program; advanced driving skills, road testing, traffic surveys; evaluation of research studies, need for additional research, review of adult driver education needs.

### TECHNICAL COURSES

- T590 Introduction to Research in Health, Physical Education, and Recreation (3 cr.)  
 Methods and techniques of research; potential and completed problems analyzed with view to selection of topics; standards for writing research papers.
- T591 Interpretation of Data in Health, Physical Education, and Recreation (3 cr.)  
 Elementary and essential statistical and graphical techniques for analysis and interpretation of data; practice upon actual data.
- T592 Statistical Techniques of Research in Health, Physical Education, and Recreation (3 cr.)  
 Theory of advanced statistical techniques; practical applications with actual data.
- T593 Public Relations (3 cr.)  
 Principles of public relations, human relations, identification and analysis of publics, problem-solving, and techniques in communication media.
- T594 Business Procedures for the Administrator of Health, Physical Education, and Recreation (3 cr.)  
 P: Administration Course (HPER) or permission of instructor. Techniques in budgeting, office management, auditing, management of funds, accounting, records and reports, purchasing, and other business procedures pertinent to administrators.
- T595 Construction and Analysis of Achievement Tests in Health, Physical Education, and Recreation (3 cr.)  
 Principles of construction, selection, interpretation of written achievement tests in health and safety, physical education, and recreation, and other evaluative procedures; analysis of standardized tests. Project required to apply principles involved.
- T599 Master's Thesis in Health, Physical Education, or Recreation (5 cr.)
- T691 Correlational Techniques (3 cr.)  
 P: HPER T592. An introduction to linear regression and correlation, other measures of relationship, and multiple regression and correlation. Application of these techniques in measurement and research. Analysis of covariance.
- T693 Experimental Analysis and Design (3 cr.)  
 P: T592 with a grade of B or better. Procedures and principles of experimental research; design, application of statistical techniques, analysis and interpretation of results, assumptions basic to techniques.
- T699 Director's Thesis in Health, Physical Education, and Recreation (4-8 cr.)
- T790 Doctor's Thesis in Health, Physical Education, or Recreation (cr. arr.)

### PHYSICAL EDUCATION FOR WOMEN

- W100 Basic Instruction in Physical Education for Women (1 cr.)  
 Activities in the Department of Physical Education for Women are elective. The following activities are offered on a semester basis: gymnastics, horsemanship, judo, modern dance, and swimming including diving, synchronized, Red Cross life saving, and instructor's. Activities offered on a seasonal basis are: Archery, badminton, bait and fly casting, basketball, billiards, body dynamics, bowling, conditioning exercises, exercise to music, fencing, golf, hockey, lacrosse, recreational games, riflery, social dance, softball, square dance, tennis, track and field, volleyball, and water polo.
- W102 Paddleball, Squash Racquets, Archery (1 cr.)  
 Basic skills and course progressions for teaching singles and doubles paddleball and squash racquets. Skills, safety, and progressions necessary for archery activities and teaching archery.
- W103 Modern Dance for Physical Education Majors (1 cr.)  
 Principles of fundamental movements, terminology, movement techniques, interrelationship of modern dance and physical education.
- W120 Orientation to Physical Education (2 cr.)  
 Exploration of foundations of physical education and of the field as a career. Relationship of physical education to other disciplines and to total education. Development of purposeful movement in structural activity. First course in major sequence.
- W121 Individual Sports I (1 cr.)  
 Practice in tennis and observation of strokes and strategies; golf history; terms, rules, etiquette, skills, and practice of these on the golf course. Participation in track and field events. A prerequisite for W132 and W322.

- W122 Team Sports (1 cr.)**  
Fundamental skills and techniques of basketball, volleyball, and soccer. A prerequisite for W325.
- W124 Introductory Rhythmic Training (1 cr.)**  
Aspects of musical structure and relation of these elements to movement. Includes factors of pulse beat, accent, tempo, rhythmic patterns, phrasing.
- W132 Advanced Techniques and Officiating of Track and Field (1 cr.)**  
P: W121. Advanced skills, knowledge, organizational procedures, and methods for teaching, coaching, and officiating track and field.
- W201 Advanced Modern Dance I (1 cr.)**  
P: intermediate modern dance. Advanced technique training with an introduction to varied dance styles.
- W202 Advanced Modern Dance II (1 cr.)**  
P: W201. Performance and analysis of primitive, classical, modern, jazz, and ethnic styles.
- W211 Modern Dance Composition I (2 cr.)**  
P: intermediate modern dance. Introduction to basic elements of modern dance composition and tools from which to work.
- W212 Modern Dance Composition II (2 cr.)**  
P: W211. Historical dance composition; primitive, pre-classical, classical, and early modern.
- W213 Rhythmic Form and Analysis (2 cr.)**  
Practical coordination exercises showing relationship between music and movement. Introduction to elementary musical notation, musical terms, analysis of musical forms.
- W214 Modern Dance Workshop I-II-III-IV (1 cr. each semester)**  
Collaboration of students and directors in choreographing dances for performance; open to any qualified student wishing to pursue dance as a creative art form.
- W222 Gymnastics, Tumbling, and Apparatus (2 cr.)**  
Basic skills in stunts, tumbling, gymnastics, and apparatus, and procedures used in teaching these activities. A prerequisite for W422 and W424.
- W223 Dance in Elementary Education (1 cr.)**  
Designed to help teachers in the elementary grades in presenting a well-rounded rhythmic program. Understanding of total dance program and skills involved.
- W224 Folk, Square, and Social Dance (1 cr.)**  
P: W100. Folk and Square Dance. Methods and materials of folk dance instruction in upper elementary grades and high school; special attention to terminology, fundamental skills, selection, presentation of dances.
- W301 Theory and Practice of Dance Technique I (1 cr.)**  
P: W202, W212. Development of individual's dance technique through basic understanding of one's philosophy of dance.
- W302 Theory and Practice of Dance Technique II (1 cr.)**  
P: W301. Theory of movement exploration evolving from experimental dance disciplines.
- W311 Dance and the Allied Arts I (3 cr.)**  
Historical development of dance and the related arts; primitive through medieval.
- W312 Dance and the Allied Arts II (3 cr.)**  
P: W311. Historical development of dance and the related arts; Renaissance through contemporary.
- W322 Individual Sports II (1 cr.)**  
P: W121. Includes badminton, bowling, tennis, and golf. A prerequisite for W323.
- W323 Teaching of Individual Sports (1 cr.)**  
P: W322. Prepares undergraduate majors to teach badminton, bowling, tennis. Lectures and discussions: basic principles, teaching methods, selection and care of equipment, history, terminology, rules. Projects: Report on skill analysis of service class students, practice teaching of one service class, unit lesson plans for one sport. A prerequisite for W423.
- W324 Teaching of Modern Dance (1 cr.)**  
P: W103. Creative teaching of movement for beginning level. Movement and rhythmic and space aspects of dance with opportunity to explore new ways of moving and of composing dances.
- W325 Teaching of Team Sports (1 cr.)**  
P: W122. Analysis of skills, coaching, and progressions for team sports. A prerequisite for W425.
- W326 Sports Officiating (1 cr. each semester)**  
Techniques of officiating basketball, volleyball, softball, and field sports. Women's intramural games are used as laboratory periods. A prerequisite for W425.
- W328 Musical Resources for Dance (2 cr.)**  
Musical selections of various moods and qualities for teaching and performing modern dance. Practical experiences in use of percussion instruments, rhythmical dictation, rhythmical score writing.
- W329 Dance Costuming (2 cr.)**  
Design and construction of costumes for dance with special emphasis on line, material, and color.

- W330 **Organization and Administration of Aquatics (2 cr.)**  
Development of aquatics program in elementary and secondary schools. Administration of aquatics programs including scheduling and maintenance of facilities in the aquatic complex. II Semester.
- W396 **Historical and Philosophical Foundations of Physical Education (2 cr.)**  
Physical education in ancient societies, the middle ages, modern Europe, and the United States. Ancient, middle ages, and modern philosophies.
- W399 **Scientific Foundations and Principles of Physical Education (2 cr.)**  
P: anatomy and physiology. Application to and implications for physical education of principles from sociology, anatomy, kinesiology, physiology, and psychology.
- W400 **Organization and Administration of Physical Education (2 cr.)**  
Development and promotion of programs of physical education for girls in secondary schools and for elementary schools.
- W401 **Dance Summary I (1 cr.)**  
A systematic study of dance as a performing art and educational medium; a survey of its interrelationship to other art forms and its role in society.
- W402 **Dance Summary II (1 cr.)**  
Choreography of individual and group compositions; selecting appropriate accompaniment, designing costumes, sets and lights, staging, and presenting the finished dances.
- W411 **Dance Production I (3 cr.)**  
Aspects of technical theatre, lighting, costuming, make-up, and scene construction, as they are related to dance. Includes the procedures for pre-planning and organizing dance productions.
- W412 **Dance Production II (3 cr.)**  
A practical application of pre-planning, organizing, and developing all aspects of dance production.
- W416 **Management of Extracurricular Activities (2 cr.)**  
The study of intramural and interscholastic sports programs; management and administration of extracurricular events and programs. Practical experiences in the planning and conducting of extracurricular activities.
- W422 **Advanced Techniques for Teaching and Coaching Gymnastics (2 cr.)**  
P: W222. Course concentrates on intermediate and advanced levels of gymnastic competition; uneven parallel bars, balance beam, trampoline, floor exercise, and vaulting as well as coaching techniques and methods of conditioning. II Semester.
- W423 **Advanced Techniques and Officiating for Individual Sports (1 cr.)**  
P: W323. Designed to prepare students to perform, analyze, and teach tennis, badminton, and golf on an advanced level for competition, coaching, and officiating purposes. I Semester.
- W424 **Gymnastics: Judging and Composition (2 cr.)**  
P: W222. Judging of gymnastics: organization, rules, techniques, and procedures. Composition of routines including selection of elements, skills, and music for performance. The balance beam, uneven bars, and free exercise will be stressed. I Semester.
- W425 **Advanced Techniques and Officiating of Team Sports (2 cr.)**  
P: W325 and W326. Intermediate and advanced strategies employed in basketball, field hockey, softball, and volleyball. Teaching, coaching, officiating in these four team sports. Laboratory experiences in both coaching and officiating. II Semester.
- W429 **Aquatic Composition and Show Production (2 cr.)**  
Laboratory experiences in aquatics composition and show production. I Semester.
- W450 **Psychology of Coaching Women (2 cr.)**  
A study of the many psychological aspects pertaining to coaching women in competitive athletics including motivation, player-coach relationships, public relations, team selection, team morale, and strategy. II Semester.
- W455 **Methods of Conditioning and Training Women (3 cr.)**  
A study of the science of physical training and conditioning and its application to physical activity as applied to women. II Semester.

### EDUCATION COURSES

- Education M358 **The Teaching of Health and Safety (2 cr.)**
- Education M363 **Professional Field Work in Recreation (1-12 cr.)**
- Education M456 **Methods of Teaching Physical Education: For Men (3 cr.)**
- Education M457 **Methods of Teaching Physical Education: For Women (3 cr.)**
- Education M458 **Methods of Teaching Health and Safety (3 cr.)**
- Education M480 **Student Teaching in the High School (5 to 8 cr.)**

# Faculty of the School of Health, Physical Education, and Recreation, 1975-76

---

## EMERITUS

BOOKWALTER, KARL W., Professor Emeritus of Physical Education for Men  
BUCHER, CLUM C., Assistant Professor Emeritus of Physical Education for Men  
CARLSON, REYNOLD E., Professor Emeritus of Recreation  
DANE, C. WESLEY, Assistant Professor Emeritus of Health and Safety Education  
EPPLEY, GARRETT G., Professor Emeritus of Recreation and Park Administration  
FISHER, GORDON R., Track Coach Emeritus, and Associate Professor Emeritus of Physical Education for Men  
FOX, JANE, Associate Professor Emeritus of Physical Education for Women  
HESTER, MRS. CLARA L., Professor Emeritus of Physical Education for Women  
MITCHELL, LOREN, Assistant Professor Emeritus of Health and Safety Education  
MUNRO, EDNA F., Professor Emeritus of Physical Education for Women  
RINSCH, EMIL, Librarian Emeritus and Assistant Professor Emeritus of Education and Social Sciences  
WAKEFIELD, MARKHAM C., Associate Professor Emeritus of Physical Education for Men

## FACULTY

ALBOHM, MARJORIE JEAN, M.S. (Indiana State University, 1973), Athletic Trainer and Instructor Part-time of Athletic Professional Training  
ALDRICH, ANITA, Ed.D. (Pennsylvania State University, 1957), Acting Dean of the School of Health, Physical Education, and Recreation; Chairman, and Professor of Physical Education for Women; Professor of Education  
ANDRES, ERNEST H., JR., M.S. in P.Ed. (Indiana University, 1952), Assistant Professor of Physical Education for Men  
BAUMGARTNER, THEODORE ALLEN, Ph.D. (University of Iowa, 1967), Professor of Physical Education for Men  
BAYLESS, KATHRYN, M.S. (Indiana University, 1974), Assistant Director of Recreational Sports  
BELISLE, JAMES J., P.E.D. (Indiana University, 1960), Assistant Dean of the School of Health, Physical Education, and Recreation, and Associate Professor of Physical Education for Men  
BELL, SAM, B.S. (University of Oregon, 1957), Head Track Coach, and Assistant Professor of Physical Education for Men  
BENSON, RAYMOND G., M.S. (Indiana University, 1961), Lecturer in Recreation  
BILLINGSLEY, HOBART S., M.S. (University of Washington, 1953), Assistant Swimming Coach, and Associate Professor of Physical Education for Men  
BLANTON, MARY DALE, M.S. (University of Oregon, 1970), Lecturer in Recreation  
BLUBAUGH, DOUGLAS M., B.S. (Oklahoma State University, 1962), Head Wrestling Coach and Assistant Professor of Athletic Professional Training  
BOWERS, HAROLD N., H.S.D. (Indiana University, 1972), Assistant Professor of Health and Safety Education  
BRENNAN, WILLIAM T., H.S.D. (Indiana University, 1970), Associate Professor of Health and Safety Education  
BROGNEAUX, JOHN P., P.E.Dir. (Indiana University, 1948), Assistant Professor of Physical Education, and Assistant Professor of Education (School of Education)  
BROWN, JAMES R., Ed.D. (Indiana University, 1973), Head Gymnastics Coach, and Assistant Professor of Physical Education for Men  
BRUCE, BEN F., JR., M.S. in Health and Safety (Indiana University, 1949), Associate Professor of Physical Education for Men  
BURNS, DONALD J., M.S. (Indiana University, 1972), Instructor in Physical Education for Men  
BURRUS, SANDRA K., Ph.D. (University of Michigan, 1974), Women's Intercollegiate Field Hockey Coach, and Assistant Professor of Physical Education for Women

- CARLSON, RONALD P., P.E.D. (Indiana University, 1971), Assistant Professor of Physical Education for Men, and Assistant Professor of Education (School of Education)
- COMPISE, PETER M., B.S. (University of Louisville, 1969), Assistant Football Coach, and Instructor in Physical Education for Men
- COOPER, JOHN M., Ed.D. (University of Missouri, 1946), Associate Dean of the School of Health, Physical Education, and Recreation; Director of Graduate Studies in the School of Health, Physical Education, and Recreation, and Professor of Physical Education for Men
- CORSO, LEE R., M.S. (Florida State University, 1958), Head Football Coach, and Associate Professor of Physical Education for Men
- COUNSILMAN, JAMES E., Ph.D. (University of Iowa, 1951), Swimming Coach, and Professor of Physical Education for Men
- COUSINS, GEORGE F., P.E.D. (Indiana University, 1951), Professor of Physical Education for Men
- CROWE, JAMES W., H.S.Dir. (Indiana University, 1970), Assistant Professor of Health and Safety Education
- CUMMINS, MARGARET ADALINE, M.S. (Smith College, 1968), Women's Intercollegiate Golf Coach, and Instructor in Physical Education for Women
- DAL SASSO, CHRIS C., P.E.Dir. (Indiana University, 1957), Assistant Administrator, Department of Athletics, and Instructor in Physical Education for Men
- DAUGHERTY, JOHN B., Ph.D. (New York University, 1950), Professor of Physical Education for Men
- DAVIES, EVELYN A., Ed.D. (Teachers College, Columbia University, 1950), Professor of Physical Education for Women
- DEPPE, THEODORE R., Re.D. (Indiana University, 1953), Chairman of Recreation and Park Administration; Professor of Recreation; and Associate Director of Graduate Studies in the School of Health, Physical Education, and Recreation
- DONEWALD, ROBERT M., M.S. (Indiana University, 1972), Freshman Basketball Coach, and Instructor in Physical Education for Men
- DOOLEY, AUBREY C., M.S. (Oklahoma State University, 1966), Assistant Coach in Track and Cross Country, and Assistant Professor of Physical Education for Men
- DU VAL, HARRY PHILIP, M.A. (University of Pittsburgh, 1967), Lecturer in Physical Education for Men
- ENDWRIGHT, JOHN R., M.S. in P.Ed. (Indiana University, 1947), Professor of Physical Education for Men
- ENGS, RUTH L. C., Ed.D. (University of Tennessee, 1973), Assistant Professor of Health and Safety Education
- FITCH, ROBERT E., P.E.D. (Indiana University, 1954), Golf Coach, and Manager of the Golf Course, and Assistant Professor of Physical Education for Men
- FOX, LUCINDA GANT, M.S. (Northern Illinois University, 1973), Lecturer in Physical Education for Women
- GALLAHUE, DAVID L., Ed.D. (Temple University, 1970), Associate Professor of Physical Education
- GORDON, CHARLES, M.A. (Central Michigan University, 1975), Assistant Director of Recreational Sports
- GREER, H. SCOTT, Ed.D. (Columbia University, 1969), Head Tennis Coach, and Associate Professor of Physical Education for Men
- GROTKE, LEANNE L., M.S. (Indiana University, 1966), Associate Director for Women's Intercollegiate Athletics, and Assistant Professor of Physical Education for Women
- GRUDEN, JAMES, M.S. (Indiana University, 1968), Assistant Football Coach, and Instructor in Physical Education for Men
- HACKWORTH, JOHN R., Ph.D. (University of Oklahoma, 1973), Assistant Professor of Health and Safety Education
- HAMM, GWENDOLYN ANN, M.S. (Indiana University, 1972), Assistant Professor in Physical Education for Women
- HICKS, ROBERT B., M.A. (George Peabody College for Teachers, 1954), Assistant Football Coach, and Instructor in Physical Education for Men
- HOPE, S. MARGARET, M.S. (Indiana University, 1957), Assistant Professor of Physical Education for Women
- HUNTER, HAROLD T., M.S. (West Virginia University, 1963), Assistant Football Coach, and Instructor in Physical Education for Men

- JOHNSON, JIM W., M.S. (University of Missouri, 1964), Assistant Football Coach, and Instructor in Physical Education for Men
- JOHNSON, NORMA JEAN, Ph.D. (University of Iowa, 1968), Assistant Professor of Physical Education for Women
- KNIGHT, ROBERT M., B.S. (Ohio State University, 1962), Head Basketball Coach, and Assistant Professor of Physical Education for Men
- LAWRENCE, ROBERT E., M.S. (Indiana University, 1968), Head Baseball Coach, and Instructor in Physical Education for Men
- LAWSON, RICHARD W., Re.D. (Indiana University, 1970), Associate Professor of Recreation
- LEWIS, BRIAN, B.A. (Ohio State University, 1967), Assistant Athletic Trainer and Part-time Lecturer in Athletic Professional Training
- LEYHE, NAOMI L., P.E.D. (Indiana University, 1955), Professor of Physical Education for Women
- LIEMOHN, WENDELL P., Ph.D. (University of Iowa, 1970), Associate Professor of Physical Education
- LOFT, BERNARD I., H.S.D. (Indiana University, 1957), Director of the Center for Safety and Traffic Education, and Professor of Health and Safety Education
- LUCAS, JOHN M., B.M. (Indiana University, 1963), Instructor in Physical Education for Women
- LUDWIG, DONALD J., H.S.D. (Indiana University, 1953), Chairman, and Professor of Health and Safety Education
- MARTIN, W. DONALD, Ph.D. (Michigan State University, 1972), Associate Professor in Recreation and Park Administration
- MCAULEY, JANET E., P.E.D. (Indiana University, 1973), Assistant Professor of Physical Education for Women
- McMURRAY, ROBERT, M.A. (Ball State University, 1968), Lecturer in Physical Education for Men
- MACLEAN, JANET, R. Re.D. (Indiana University, 1959), Professor of Recreation
- MEYER, MARTIN W., Ed.D. (New York University, 1955), Associate Professor of Recreation
- MINDHEIM, ARTHUR D., M.A. (University of Iowa, 1960), Assistant Professor of Physical Education for Men
- MULL, RICHARD F., M.S. (West Virginia University, 1968), Assistant Professor of Physical Education for Men and Director of Recreational Sports
- NEWBERG, SAM, H.S.Dir. (Indiana University, 1952), Assistant Professor of Physical Education for Men
- OTOLSKI, ROBERT S., M.S. (Indiana University, 1965), Assistant Football Coach, and Instructor in Physical Education for Men
- PARKER, CARY CLAY, M.A. (East Carolina University, 1965), Facilities Coordinator
- PETERSON, JAMES A., M.S. (Indiana University, 1951), Associate Professor of Recreation, and Specialist in Parks and Recreation, Indiana-Purdue Universities
- RASH, J. KEOGH, H.S.D. (Indiana University, 1949), Professor of Health and Safety Education
- REA, PHILLIP S., M.S. (State University of New York at Cortland, 1970), Lecturer in Recreation and Park Administration
- RIGGINS, RONALD D., M.S. (Indiana University, 1966), Instructor in Recreation and Park Administration, and Resident Director of Bradford Woods
- RILLO, THOMAS J., Ph.D. (Southern Illinois University, 1964), Professor of Recreation
- ROSS, JOHN M., M.S. (Indiana University, 1963), Assistant Professor of Recreation
- RYSER, OTTO E., P.E.D. (Indiana University, 1953), Professor of Physical Education for Men
- SCHRADER, JOHN W., B.S. (Purdue University, 1971), Assistant Trainer for Men's Intercollegiate Athletics and Lecturer Part-time in Athletic Professional Training
- SCHULZ, DIANE, M.S. (Western Illinois University, 1975), Women's Intercollegiate Gymnastics Coach, and Lecturer Part-time in Physical Education for Women
- SHANDS, RAY C., B.S. (Tulsa University, 1964), Assistant Football Coach, and Instructor in Physical Education for Men
- SHERWIN, HILDA A., M.Ed. (Woman's College of the University of North Carolina, 1953), Assistant Professor of Physical Education for Women

- SLATER-HAMMEL, ARTHUR T., Ph.D. (University of Iowa, 1947), Professor of Physical Education for Men
- SNYGG, FRAN, M.F.A. (New York University School of Arts, 1971), Assistant Professor in Physical Education for Women
- STONER, JESSIE E., M.Ed. (Memphis State University, 1967), Lecturer in Recreation
- STRONG, CLINTON H., Ph.D. (University of Iowa, 1961), Acting Chairman, and Professor of Physical Education for Men
- SUMMERS, D. DEAN, P.E.D. (Indiana University, 1956), Women's Intercollegiate Tennis Coach, and Associate Professor of Physical Education for Women
- TULLY, ROBERT W., Re.D. (Indiana University, 1960), Professor of Recreation
- WALTERS, TRENT, M.S. (Indiana University, 1970), Assistant Football Coach, and Instructor in Physical Education for Men
- WATSON, LOUIS C., M.S. in P.Ed. (Indiana University, 1952), Special Assistant to the Director of Athletics and Associate Professor of Physical Education for Men
- WATTS, MORRIS W., M.S. (Kansas State College, 1964), Assistant Football Coach, and Instructor in Physical Education for Men
- WAYNE, JOSEPH E., III, M.S. (Indiana University, 1971), Lecturer in Health and Safety Education
- WELTLICH, ROBERT T., B.A. (Baldwin Wallace College, 1972), Assistant Basketball Coach, and Part-time Lecturer in Physical Education for Men
- WILCOX, DANIEL W., B.S. (Indiana University, 1974), Assistant Director of Recreational Sports
- WILKERSON, JAMES E., Ph.D. (University of Oregon, 1970), Assistant Professor in Physical Education for Men
- WILSON, BILL R., M.S. (Indiana University, 1957), Assistant Professor of Recreation
- WINNES, MARY S., M.S. (Indiana University, 1973), Lecturer in Physical Education for Women
- YEAGLEY, JERAD L., M.Ed. (University of Pittsburgh, 1963), Soccer Coach, and Assistant Professor of Physical Education for Men
- YOUNG, ROBERT F., M.S. (Indiana University, 1971), Head Athletic Trainer, and Instructor in Athletic Professional Training

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

**OFFICERS**

President .....Wanda McKee  
Past President .....G. Timothy Mosier  
President-Elect .....Gene Nesbit  
Vice-President:  
    Health and Safety .....Terry Thompson  
    Recreation .....Susan Speck  
    Physical Education .....Debbie Schmidt  
Secretary-Treasurer .....Sam Newberg  
Executive Council Representative .....Charles Baer

**BOARD OF DIRECTORS**

|                 |                 |
|-----------------|-----------------|
| Robert Manuszak | Charles Griffin |
| Thomas Templin  | Tom Petry       |
| Pamela Owsley   | John Martin     |
| Don Crask       |                 |
| Kim Winger      |                 |
| Harold Mercer   |                 |



Designed and edited by Indiana University Publications

INDIANA UNIVERSITY  
Bloomington, Indiana 47401  
University Bulletin—Entered at the Post Office at  
Bloomington, Indiana

Return Postage Guaranteed

SECOND CLASS POSTAGE PAID  
AT BLOOMINGTON, INDIANA

U.S. POSTAL REGULATIONS REQUIRE  
BULLETIN MUST BE MAILED BY  
REGISTRAR'S BULLETIN ROOM FOR  
SECOND CLASS POSTAGE.