

# School of Physical Education and Tourism Management

## Welcome to the IUPUI School of Physical Education and Tourism Management

### Mission

The mission of the Indiana University School of Physical Education and Tourism Management capitalizes on its rich history and unique location in downtown Indianapolis to prepare future leaders in kinesiology and tourism by translating theory into practice.

The school's distinct culture and unique combination of disciplines foster innovative research, learning opportunities and civic engagement that enhance quality of life and economic development of local, national and global communities.

Last updated January 2012

## Overview

### History of the School of Physical Education and Tourism Management

The School of Physical Education and Tourism Management is the oldest unit at Indiana University Purdue University Indianapolis (IUPUI) and the oldest existing school in the country for the preparation of physical education teachers.

The school was founded in New York City in 1866 as the Normal College of the American Gymnastic Union. It was established by the American Turners to prepare instructors for their gymnastics societies.

The school moved to Chicago in 1871 only to be burned out by the great Chicago fire, which forced it to return to New York, where it remained until 1873. The school then moved to Milwaukee and finally settled in Indianapolis in 1907. During these years, the curriculum was continually expanded, from a four-month certificate program to a one-year, then a two-year, and eventually a four-year degree program. The curricular changes were in response to the ever-changing needs for trained professionals in other educational institutions.

The Normal College merged with Indiana University in 1941, when financial difficulties occurred. Under the merger, students attended the Normal College in Indianapolis for two years and completed their junior and senior years in Bloomington, where they earned the Bachelor of Science in Physical Education degree. This arrangement remained in effect until 1969, when the junior-year program was moved to Indianapolis, followed by the senior-year program in 1972. In the same year, the name of the college was changed to the School of Physical Education to reflect more closely the mission of the school as a training center for teachers of physical education. Since that time, the physical education curriculum has added majors in exercise science, fitness management and personal training, sports management, and pre-professional programs: pre-med,

pre-physician assistant, and pre-occupational or physical therapy.

In 1994, the school assumed administrative responsibilities for the Purdue University Department of Restaurant, Hotel, Institutional and Tourism Management. In response to changing needs in the tourism industry, a new Indiana University degree in Tourism, Conventions and Event Management was approved in 1999. The growth of this degree program, as well as five certificate programs, resulted in another name change for the school to the School of Physical Education and Tourism Management.

### Facilities

The School of Physical Education and Tourism Management and the Indiana University Natatorium share a \$21.5 million facility located at 901 West New York Street on the main campus of IUPUI. The complex is divided into deck, concourse and bridge levels, covering approximately 200,000 gross square feet.

The deck level features weight-training and conditioning rooms, a 50-meter competitive pool, a diving pool, and a 50-meter instructional pool; the instructional pool is equipped with moveable bulkheads and floor so that the water depth may be adjusted to aid in instruction and recreation. A research suite for exercise physiology and biomechanics is also located on the deck level.

The concourse level of the physical education wing has a large gymnasium, an auxiliary gymnasium, racquetball courts and Informal Learning Laboratory.

The bridge level houses the administrative and faculty offices. From this level, an enclosed overhead pedestrian walkway connects the physical education complex with the Education/Social Work building across New York Street, where the three schools share classroom space.

Adjacent to the Physical Education/Natatorium building is an Olympic-caliber 400-meter track and field stadium, plus outdoor fields for instructional, recreational and competitive athletic events. The 28.7-acre outdoor facility also includes fields for softball, soccer and touch football.

The National Institute for Fitness and Sport (NIFS) was created in 1985. Dedicated to promoting healthy, active lifestyles through research, education and service, this nonprofit organization currently works in conjunction with the School of Physical Education and Tourism Management and other departments of the university. It occupies a \$12 million, 120,000 square-foot facility located on the IUPUI campus and in White River State Park.

## Contact Information

### [School of Physical Education and Tourism Management](http://petm.iupui.edu/)

Physical Education/Natatorium (PE) 250  
901 West New York Street  
Indianapolis, IN 46202-5193 (317) 274-2248  
<http://petm.iupui.edu/> or [petm@iupui.edu](mailto:petm@iupui.edu)

Department of Physical Education information:  
(317) 274-0600

Department of Tourism, Conventions and Event Management information:  
(317) 274-2248

## Undergraduate Programs

The Department of Physical Education grants the Bachelor of Science in Physical Education degree and a Master's degree in Physical Education. Undergraduate students may select from five options (exercise science, exercise science with pre-occupational therapy/pre-physical therapy, pre-medical or physician assistance options, fitness management and personal training, sports management, and teacher education with physical education) and a variety of minors and certificates.

The Department of Tourism, Conventions and Event Management offers a four-year degree in Tourism, Conventions and Event Management. The program emphasizes tourism research and meeting, special event, and sports event planning to prepare graduates for management positions in a variety of profit and not-for-profit tourism organizations.

The Department of Military Science also resides in the School of Physical Education and Tourism Management.

## Admission

### Intercampus Transfers

#### Temporary

To transfer credit for an individual semester or for the summer from one campus to another campus of Indiana University, the student must file a temporary Intercampus Transfer Request through the Office of the Registrar at <https://www.iupui.edu/~moveiu/ict.html>.

#### Permanent

To transfer permanently from one campus to another campus of Indiana University, the student must file an Intercampus Transfer Application. Applications typically take 4-6 weeks to be processed. Please visit <http://enroll.iupui.edu/admissions/undergraduate/transfer/intercampus.html> for more detailed information, the application and deadline information.

## Awards and Scholarships

### School Awards and Scholarships

**Dean's Honor List** Students in the School of Physical Education and Tourism Management are recognized for outstanding academic achievement by having their names placed on the Dean's List. This award goes to all full-time students who have achieved a semester GPA of 3.5 or higher.

**Phillip K. Hardwick Scholarship** Established in 1998, this scholarship recognizes a student in the School of Physical Education and Tourism Management for outstanding community volunteerism or philanthropy.

**P. Nicholas Kellum Scholarship** This scholarship is awarded to a top junior in each academic department.

**School of Physical Education and Tourism Management Freshman Scholarship** Established by faculty gifts, this scholarship recognizes an outstanding entering freshman.

**Swinford Scholarship (Students Attending Camp Brosius)** Eligible students must be full-time with a minimum 2.5 GPA. Students should be enrolled for

summer classes at Camp Brosius within their department.

Students also must provide financial need and proof of summer employment.

### Department of Physical Education Awards and Scholarships

**Diversity Research Scholarship** This scholarship is a one-year renewable scholarship that enables a beginning student to be matched with a faculty mentor for the purpose of establishing a comprehensive research program.

**Athenaeum Turners Scholarship** The Athenaeum Turners of Indianapolis established this scholarship to honor a physical education major who demonstrates academic excellence and professional promise. The School of Physical Education and Tourism Management was located at the Indianapolis Athenaeum from 1907 to 1970.

**Frank and Loretta Feigl Scholarship** Two \$1,000 Frank and Loretta Feigl Scholarships are available for incoming freshman students who intend to study physical education teacher education.

**The Clara L. Hester Scholarship** This coveted award is presented in the name of the past director of the Normal College of the American Gymnastic Union. Clara Hester served the school for 44 years; the award was established in 1978 to honor her. It is given to a full time student majoring in physical education who has satisfied all academic criteria at the completion of their junior year. The recipient must use the award for academic programs in the Department of Physical Education at IUPUI.

**Peg Hope Scholarship** This scholarship is awarded to a student with a GPA of 2.5 or higher who demonstrates financial need and who has worked to defray the cost of his or her education.

**Floyd and NiCole Keith Book Award** The Department of Physical Education provides awards for book fees to Physical Education students (fall semester). Eligible applicants are sophomores or juniors majoring in a Department of Physical Education degree program. These students must have a cumulative GPA of 2.5 or higher.

**Floyd and NiCole Keith Coaching Scholarship** This scholarship is awarded to a sophomore or junior enrolled in the Department of Physical Education and planning to pursue a career in coaching or athletic administration. Students must have a 2.5 cumulative GPA or higher.

**The John Jordan Scholarship** Recognizes an outstanding active member who emulates John Jordan, an outstanding former member in the Alpha Chapter of Phi Epsilon Kappa.

**The Lola L. Lohse Scholarship** This scholarship is presented annually to a minority student who is majoring in physical education. The basis for the selection consists of involvement in extracurricular activities, student leadership, participation in professional organizations, and evidence of self-help in obtaining a college education. Selection is made by the faculty.

**Rudolph L. Memmel Scholarship** The Memmel Scholarship is given in honor and recognition of Rudolph

L. "Rudy" Memmel, former head of physical education for the Cincinnati, Ohio, Public Schools. Selection criteria include excellence of academic record and active involvement in activities related to the profession.

#### **The Department of Physical Education Faculty**

**Award** The faculty presents this award to a graduating senior as a vote of confidence in a promising future within the profession. The award is based on scholarship performance; professional attitude toward physical education as a career; and service to the department, university, and community.

#### **Physical Education Teacher Education Scholarship**

This scholarship is presented to an undergraduate student pursuing teacher education who is preparing to enter the student teaching aspect of their education. Selection criteria include excellence of academic record and the beginning of student teaching within the next academic year.

#### **Dr. Carl B. Sputh Memorial Scholarship**

These memorial scholarships are presented annually to outstanding juniors enrolled full-time in the Department of Physical Education. The candidates are selected by faculty on the basis of scholastic achievement, character, need, and professional promise in the teaching of physical education.

**The William A. Stecher Honor Award** An outstanding graduating senior from the Department of Physical Education is recognized annually at the Commencement reception with this award. The candidate is selected by the faculty on the basis of scholarship, level of performance in physical activities, professional attitude, character, leadership, and service.

#### **Ann Ritsert Schnurr and Katrina Schnurr Pierce Scholarship**

This scholarship supports out-of-state sophomore or junior physical education students. Candidates must achieve a GPA of 3.0 or higher.

**Dr. Hitwant Sidhu Scholarship** This scholarship honors an undergraduate physical education major with a GPA of 2.5 or higher who participates in voluntary service to the community, profession, education, or the university.

**Jeff and Sue Vessely Scholarship** This scholarship is awarded to an incoming freshman physical education major with an outstanding high school academic performance record.

**Anna V. Wessel Memorial Scholarship** The Anna V. Wessel Memorial Scholarship awards one incoming freshman female student with \$10,000 for tuition and books. Qualified applicants participate in sports via youth, church, or school leagues.

#### **Department of Tourism, Conventions and Event Management (TCEM) Awards and Scholarships**

#### **American Hotel Foundation Scholarship**

These scholarships are awarded to students who have demonstrated potential for leadership in hospitality management, have a minimum cumulative GPA of 3.0, and have financial need.

**Brewers of Indiana Guild Scholarship** The Department of Tourism, Conventions and Event Management awards the Brewers of Indiana Guild Scholarship to one student

studying within the department. To be eligible, applicants must be enrolled as a Tourism, Conventions and Event Management major at IUPUI. Qualified applicants must have taken and achieved a semester grade above 90% in TCEM 328, Introduction to Microbrewing, or equivalent course. Priority consideration will be given to students who represent the top 10% majoring in Tourism, Conventions and Event Management.

**Raymond A. Dault Care, Pride and Skill Scholarship** In recognition of Raymond Dault's leadership of the TCEM department and his devotion to students, two annual awards are given. One recipient is the freshman student who has earned the highest GPA. The second recipient is the student with the highest GPA on completion of the associate degree.

#### **Bill Day Outstanding Tourism Scholarship and**

**Award** The scholarship recognizes a junior for academic achievement, extracurricular participation, and leadership potential. The award recognizes the graduating senior with the highest GPA.

**Donald Durbin Memorial Scholarship** Honors the memory of Donald Durbin, Indianapolis hotelier, by recognizing contributions.

**Leo and Mary Durbin Scholarship** This scholarship is awarded to a sophomore or junior student who is currently working in the hospitality industry and has a cumulative GPA of 2.5 or higher.

**Bo L. Hagood Scholarship** The scholarship recipient must be an incoming TCEM major with a high school GPA of 2.5 or higher.

**Sara Hecht Memorial Scholarship** In memory of Sara Hecht, a TCEM major, this scholarship is awarded to a student or to students enrolled in TCEM 306 or TCEM-L 391.

**Bill and Joan McGowan Scholarship** Recognizes sophomores or juniors with a cumulative GPA of 3.0 or higher who currently work or has worked in the tourism or hospitality industry.

**Per Moller Scholarship** This scholarship is awarded to a full-time student who has maintained a GPA of 3.0 or higher and is currently employed in the hospitality industry.

**Edward and Amy Nefouse Scholarship** Recognizes a TCEM major with a minimum cumulative GPA of 3.0.

#### **Max M. Shapiro Restaurant Excellence**

**Scholarship** This scholarship recognizes an outstanding student and leader. Selection criteria include scholarship, potential for leadership in hospitality management, and commitment to the department and student organizations.

**Elias and Fofu Stergiopoulos Scholarship** This scholarship award goes to a full-time student in good academic standing who is currently employed in the hospitality industry and is committed to community service.

**Dr. Violet White Scholarship** The Department of Tourism, Conventions and Event Management awards the Dr. Violet White Scholarship to one student studying within the department who has aspirations of a career in

the tourism industry. To be eligible, applicants must be enrolled in the TCEM department at IUPUI.

## Degree Programs

### Bachelor of Science in Physical Education (B.S.P.E.)

- Exercise Science (Pre-Med, Pre-Occupational Therapy, Pre-Physician Assistant, Pre-Physical Therapy)
- Fitness Management and Personal Training
- Physical Education - Teacher Education
- Sports Management

### Bachelor of Science (B.S.)

- Tourism, Conventions and Event Management

## General Requirements

### Policies Governing the Academic Program—School of Physical Education and Tourism Management

#### Degree Requirements

Students in the School of Physical Education and Tourism Management are responsible for fully understanding and meeting all the requirements for graduation. Information regarding the program can be obtained by consulting this bulletin.

A minimum cumulative grade point average (GPA) of 2.2 (on a 4.0 scale) is necessary. Class standing is based on credit hours completed:

Freshman—26 or fewer

Sophomore—27–55

Junior—56–85

Senior—86+

The Department of Physical Education requires a minimum of 124 credit hours for a Bachelor of Science degree. Within the physical education major, the department offers five plans of study (exercise science, exercise science with pre-med, pre-physician assistant, pre-occupational or physical therapy with pre-occupational and pre-physical therapy and pre-med options, fitness management and personal training, sports management, and teacher education, physical education and a certificate in personal training). A capstone practicum is a feature of each plan of study: student teaching, for teacher education majors, or an internship, for majors in all other plans of study. A minimum cumulative GPA of 2.5 is required for entry into the capstone course, and a minimum cumulative GPA of 2.2 is required to earn the bachelor's degree. A grade of C or higher is required in ENG-W 131, ENG-W 231/BUS-X 204 and COMM-R 110, and none of these courses may be taken by correspondence.

The exercise science plan of study is designed for the individual who wishes to work in the corporate/community fitness setting or to pursue a graduate degree in exercise science, biomechanics, physical therapy, occupational therapy, or a related health discipline. The fitness management and personal training plan of study is directed to those interested in personal fitness training, sports programming, entrepreneur activities related to fitness and sports, and related fields. The sports management plan of study prepares students for careers in the business and operational aspects of sporting activities. The teacher

education plan of study prepares students to meet teacher education certification requirements set by the state of Indiana.

The Department of Tourism, Conventions and Event Management requires 124 credit hours for the Bachelor of Science degree.

The four-year degree requires a letter grade of C or higher in the general education courses of ENG-W 131, ENG-W 231 and COMM-R 110. The degree program requires 600 hours of work experience in a pre-approved tourism or hospitality organization. Students may complete the work experience with a paid or unpaid position.

## Internship Programs

### Internship Program in Exercise Science, Fitness Management and Personal Training and Sports Management

Students following the exercise science, fitness management and personal training and sports management plans of study complete an internship with a community agency approved by the School of Physical Education and Tourism Management. Prospective interns must have completed at least 30 semester hours in residence at IUPUI and at least 15 semester hours in the major. Students apply approximately one year before the expected internship placement. A minimum overall GPA of 2.5 is required at the time of the application. The internship assignment will entail full-time work for 12 weeks (summer, fall or spring). Only in rare and exceptional cases will students be allowed to participate in an internship at their previous or present place of employment.

### Internship Program in Tourism, Conventions and Event Management (TCEM)

TCEM majors are required to complete a minimum of 600 hours of work experience in tourism/hospitality businesses. The internship should be completed after the sophomore year of attendance.

## Bachelor of Science-Physical Education

Each student will select one of the following plans of study and will complete the requirements for that option: (1) exercise science; (2) exercise science (pre-occupational therapy, pre-physician assistance, pre-physical therapy, and premedical options); (3) fitness management and personal training; (4) sports management; and (5) teacher education (physical education).

- Exercise Science Plan of Study (124 credits)
- Exercise Science/Pre-Med Plan of Study (135 credits)
- Exercise Science/Pre-Occupational Therapy Plan of Study (124 credits)
- Exercise Science/Pre-Physical Therapy Plan of Study (125 credits)
- Fitness Management and Personal Training Plan of Study (125 credits)
- Sports Management Plan of Study (122-125 credits)
- Teacher Education Physical Education Plan of Study (125 credits)

- Other Programs Offered in Physical Education and Related Areas

## Exercise Science Plan of Study

The exercise science plan of study will lead to a Bachelor of Science in Physical Education degree. It is designed to meet the needs of students who wish to pursue careers in a corporate/community fitness setting; a graduate degree in exercise science, biomechanics, occupational therapy, or physical therapy; or a career in a related health/wellness field. There are three categories of requirements in this program: (1) physical education; (2) general education; and (3) electives.

### Physical Education Requirements

- HPER-L 135 Learning Community: Physical Education-Exercise Science (for new students & transfers with <15 hours) (1 cr.)
- HPER-H 160 First Aid and Emergency Care (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-P 200 Microcomputer Applications in Kinesiology (3 cr.)
- HPER-P 205 Structural Kinesiology (3 cr.)
- HPER-P 212 Introduction to Exercise Science (3 cr.)
- HPER-P 215 Principles and Practice of Exercise Science (3 cr.)
- HPER-P 246 Performance & Teaching of Cardiovascular & Resistance Training (3 cr.)
- HPER-P 258 Activities for People with Special Needs (3 cr.)
- HPER-P 373 Resistance Exercise/Sports Conditioning\* (3 cr.)
- HPER-P 374 Basic Electrocardiogram for Exercise Sciences\* (2 cr.)
- HPER-P 391 Biomechanics\* (3 cr.)
- HPER-P 393 Professional Practice Programs in Health, Physical Education and Recreation (Practical Experience)\* (7 cr.)
- HPER-P 403 Theory and Practice of Cardiovascular Exercise\* (3 cr.)
- HPER-P 405 Introduction to Sport Psychology\* (3 cr.)
- HPER-P 409 Basic Physiology of Exercise\* (3 cr.)
- HPER-P 410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations\* (3 cr.)
- HPER-P 417 Physical Activity and Disease: Prevention and Treatment\* (3 cr.)
- HPER-P 419 Fitness Testing and Interpretation\* (3 cr.)
- HPER-P 420 Exercise Leadership and Program Design for Apparently Healthy and Special Populations\* (3 cr.)
- HPER-P 443 Internship: Physical Education (Internal capstone)\* (3 cr.)
- HPER-P 452 Motor Learning\* (3 cr.)
- Camp Brosius Leadership Training (3 cr.)

Total: 68 credit hours

\* Go to School of Physical Education and Tourism Management website for list of prerequisites.

### General Education Requirements

**A. Humanities and Social/Behavioral Sciences** (21 credit hours)

- COMM-R 110 Fundamentals of Speech Communication (C or higher required) (3 cr.)
- ENG-W 131 Elementary Composition (C or higher required) (3 cr.)
- ENG-W 231 Professional Writing Skills OR BUS-X 204 Business Communications (C or higher required) (3 cr.)
- PSY-B 110 Introduction to Psychology (3 cr.)

### Elective Humanities and Social/Behavioral

(9 credit hours) Select at least one course outside of Communication/English. Select from:

- Anthropology (ANTH)
- Art (HER)
- Classical Studies (CLAS)
- Communication (COMM)
- Economics (ECON)
- English (ENG)
- Folklore (FOLK)
- Foreign Language
- Geography (non physical) (GEOG)
- History (HIST)
- HPER: P402, P411
- Journalism (JOUR)
- Music (MUS)
- Organizational Leadership and Supervision (OLS)
- Philosophy (PHIL)
- Political Science (POLS)
- Psychology (PSY)
- Religion (REL)
- Sociology (SOC)
- Women's Studies (WOST)

### B. Life Science and Mathematics

 (27-28 credit hours)

- BIOL-N 261 Human Anatomy (5 cr.)
- BIOL-N 217 Human Physiology (5 cr.)
- MATH 15900 Pre-Calculus (5 cr.) OR MATH 15300 Algebra and Trigonometry I (3 cr.) AND MATH 15400 Algebra and Trigonometry II (3 cr.) may be substituted
- CHEM-C 105 Principles of Chemistry I (3 cr.)
- CHEM-C 125 Experimental Chemistry I (2 cr.)
- PHYS 21800 General Physics I (4 cr.)
- PSY-B 305 Statistics (3 cr.) OR STAT 30100 Elementary Statistical Methods (3 cr.)

### C. Electives

Additional elective credits may be required to reach the 124 credit hour minimum required for the degree.

## Exercise Science/Pre-Med Plan of Study

Students will earn a Bachelor of Science in Physical Education with an Exercise Science emphasis and will complete the additional courses and experiences typically needed for medical school admission.

### Physical Education Requirements

- HPER-L 135 Learning Community: Physical Education-Exercise Science (for new students & transfers with <15 hours) (1 cr.)
- HPER-H 160 First Aid and Emergency Care (3 cr.)

- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-P 200 Microcomputer Applications in Kinesiology (3 cr.)
- HPER-P 205 Structural Kinesiology (3 cr.)
- HPER-P 212 Introduction to Exercise Science (3 cr.)
- HPER-P 215 Principles and Practice of Exercise Science (3 cr.)
- HPER-P 246 Performance & Teaching of Cardiovascular & Resistance Training (3 cr.)
- HPER-P 258 Activities for People with Special Needs (3 cr.)
- HPER-P 373 Resistance Exercise/Sports Conditioning\* (3 cr.)
- HPER-P 374 Basic Electrocardiogram for Exercise Sciences\* (2 cr.)
- HPER-P 391 Biomechanics\* (3 cr.)
- HPER-P 393 Professional Practice Programs in Health, Physical Education and Recreation (Practical Experience)\* (7 cr.)
- HPER-P 403 Theory and Practice of Cardiovascular Exercise\* (3 cr.)
- HPER-P 405 Introduction to Sport Psychology\* (3 cr.)
- HPER-P 409 Basic Physiology of Exercise\* (3 cr.)
- HPER-P 410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations\* (3 cr.)
- HPER-P 417 Physical Activity and Disease: Prevention and Treatment\* (3 cr.)
- HPER-P 419 Fitness Testing and Interpretation\* (3 cr.)
- HPER-P 420 Exercise Leadership and Program Design for Apparently Healthy and Special Populations\* (3 cr.)
- HPER-P 443 Internship: Physical Education (Internal capstone)\* (3 cr.)
- HPER-P 452 Motor Learning\* (3 cr.)
- Camp Brosius Leadership Training (3 cr.)

Total: 68 credit hours

\* Go to School of Physical Education and Tourism Management website for list of prerequisites.

### General Education Requirements

#### A. Humanities and Social/Behavioral Sciences (21 credit hours)

- COMM-R 110 Fundamentals of Speech Communication (C or higher required) (3 cr.)
- ENG-W 131 Elementary Composition (C or higher required) (3 cr.)
- ENG-W 231 Professional Writing Skills OR BUS-X 204 Business Communications (C or higher required) (3 cr.)
- PSY-B 110 Introduction to Psychology (3 cr.)

#### Elective Humanities and Social/Behavioral (9 hours)

Select at least one course outside of Communication/English. Select from:

- Anthropology (ANTH)
- Art (HER)
- Classical Studies (CLAS)
- Communication (COMM)
- Economics (ECON)

- English (ENG)
- Folklore (FOLK)
- Foreign Language
- Geography (non physical) (GEOG)
- History (HIST)
- HPER: P402, P411
- Journalism (JOUR)
- Music (MUS)
- Organizational Leadership and Supervision (OLS)
- Philosophy (PHIL)
- Political Science (POLS)
- Psychology (PSY)
- Religion (REL)
- Sociology (SOC)
- Women's Studies (WOST)

#### B. Life Science and Mathematics (27 credit hours)

- BIOL-K 101 Concepts of Biology I (5 cr.)
- MATH 15900 Pre-Calculus (5 cr.) OR MATH 15300 Algebra and Trigonometry I (3 cr.) AND MATH 15400 Algebra and Trigonometry II (3 cr.) may be substituted
- CHEM-C 105 Principles of Chemistry I (3 cr.)
- CHEM-C 125 Experimental Chemistry I (2 cr.)
- PHYS 21800 General Physics I (4 cr.)
- PSY-B 305 Statistics (3 cr.) OR STAT 30100 Elementary Statistical Methods (3 cr.)

#### C. Additional Required Prerequisites for Pre-Med Program (23 cr.)

- CHEM-C 106 Principles of Chemistry II (3 cr.)
- CHEM-C 126 Experimental Chemistry II (2 cr.)
- CHEM-C 341 Organic Chemistry 1 Lectures (3 cr.)
- CHEM-C 343 Organic Chemistry Laboratory 1 (2 cr.)
- CHEM-C 342 Organic Chemistry Lectures 2 (3 cr.)
- CHEM-C 344 Organic Chemistry Laboratory 2 (2 cr.)
- PHYS 21900 General Physics II (4 cr.)
- BIOL-K 103 Concepts of Biology II (5 cr.)

## Exercise Science/Pre-Occupational Therapy Plan of Study

Students will earn a Bachelor of Science in Physical Education with an Exercise Science emphasis and will complete the additional courses and experiences required to apply for graduate-level occupational therapy degree programs. For further information about the IUPUI Master of Science in Occupational Therapy Program, contact the School of Health and Rehabilitation Sciences (formerly the School of Allied Health Sciences), (317) 274-7238, [www.shrs.iupui.edu](http://www.shrs.iupui.edu).

### Physical Education Requirements

- HPER-L 135 Learning Community: Physical Education-Exercise Science (for new students & transfers with <15 hours) (1 cr.)
- HPER-H 160 First Aid and Emergency Care (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-P 200 Microcomputer Applications in Kinesiology (3 cr.)
- HPER-P 205 Structural Kinesiology (3 cr.)
- HPER-P 212 Introduction to Exercise Science (3 cr.)

- HPER-P 215 Principles and Practice of Exercise Science (3 cr.)
- HPER-P 246 Performance & Teaching of Cardiovascular & Resistance Training (3 cr.)
- HPER-P 258 Activities for People with Special Needs (3 cr.)
- HPER-P 373 Resistance Exercise/Sports Conditioning\* (3 cr.)
- HPER-P 374 Basic Electrocardiogram for Exercise Sciences\* (2 cr.)
- HPER-P 391 Biomechanics\* (3 cr.)
- HPER-P 393 Professional Practice Programs in Health, Physical Education and Recreation (Practical Experience)\* (7 cr.)
- HPER-P 403 Theory and Practice of Cardiovascular Exercise\* (3 cr.)
- HPER-P 405 Introduction to Sport Psychology\* (3 cr.)
- HPER-P 409 Basic Physiology of Exercise\* (3 cr.)
- HPER-P 410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations\* (3 cr.)
- HPER-P 417 Physical Activity and Disease: Prevention and Treatment\* (3 cr.)
- HPER-P 419 Fitness Testing and Interpretation\* (3 cr.)
- HPER-P 420 Exercise Leadership and Program Design for Apparently Healthy and Special Populations\* (3 cr.)
- HPER-P 443 Internship: Physical Education (Internal capstone)\* (3 cr.)
- HPER-P 452 Motor Learning\* (3 cr.)
- Camp Brosius Leadership Training (3 cr.)

Total: 68 credit hours

\*Go to School of Physical Education and Tourism Management website for list of prerequisites.

### General Education Requirements

#### A. Humanities and Social/Behavioral Sciences (21 credit hours)

- COMM-R 110 Fundamentals of Speech Communication (C or higher required) (3 cr.)
- ENG-W 131 Elementary Composition (C or higher required) (3 cr.)
- ENG-W 231 Professional Writing Skills OR BUS-X 204 Business Communications (C or higher required) (3 cr.)
- PSY-B 110 Introduction to Psychology (3 cr.)

**Elective Humanities and Social/Behavioral** (9 credit hours) Select at least one course outside of Communication/English. Select from:

- Anthropology (ANTH)
- Art (HER)
- Classical Studies (CLAS)
- Communication (COMM)
- Economics (ECON)
- English (ENG)
- Folklore (FOLK)
- Foreign Language
- Geography (non physical) (GEOG)
- History (HIST)

- HPER: P402, P411
- Journalism (JOUR)
- Music (MUS)
- Organizational Leadership and Supervision (OLS)
- Philosophy (PHIL)
- Political Science (POLS)
- Psychology (PSY)
- Religion (REL)
- Sociology (SOC)
- Women's Studies (WOST)

#### B. Life Science and Mathematics (27 credit hours)

- BIOL-N 261 Human Anatomy\*\* (5 cr.)
- BIOL-N 217 Human Physiology\*\* (5 cr.)
- MATH 15900 Pre-Calculus (5 cr.) OR MATH 15300 Algebra and Trigonometry I (3 cr.) AND MATH 15400 Algebra and Trigonometry II (3 cr.) may be substituted
- CHEM-C 105 Principles of Chemistry I (3 cr.)
- CHEM-C 125 Experimental Chemistry I (2 cr.)
- PHYS 21800 General Physics I (4 cr.)
- PSY-B 305 Statistics\*\* (3 cr.) OR STAT 30100 Elementary Statistical Methods\*\* (3 cr.)

#### C. Additional Required Prerequisites for Pre-OT Program (7-8 credit hours)

- CLAS-C 209 Medical Terms from Greek and Latin (2 cr.) OR RADI-R 108 Medical Terminology (1 cr.)
- PSY-B 310 Life Span Development (3 cr.)
- PSY-B 380 Abnormal Psychology (3 cr.)

#### D. Electives

Additional elective credits may be required to reach the 124 credit hour minimum required for the degree.

The IUPUI Master of Science in Occupational Therapy Program strongly recommends that students volunteer or observe at two or more occupational therapy sites before applying to the program.

\*\*BIOL and statistics classes must be taken no more than seven years prior to entry into the IUPUI Master of Science in Occupational Therapy Program.

### Exercise Science/Pre-Physical Therapy Plan of Study

Students will earn a Bachelor of Science in Physical Education with an Exercise Science emphasis and will complete the additional courses and experiences required to apply for graduate-level physical therapy degree programs. Graduate-level physical therapy programs require completion of any undergraduate major; completion of specific pre-physical therapy prerequisite courses (primarily math and science) and experiences (documented volunteer or paid activity in physical therapy-related settings under supervision of an approved physical therapist); and high grade point average (minimum 3.2 overall; minimum 3.2 in biology, chemistry, psychology, physics and statistics courses). For further information about the IUPUI Doctor of Physical Therapy Program, contact the School of Health and Rehabilitation Sciences (formerly the School of Allied Health Sciences) at (317) 274-7238, [www.shrs.iupui.edu](http://www.shrs.iupui.edu).

## Physical Education Requirements

- HPER-L 135 Learning Community: Physical Education-Exercise Science (for new students & transfers with <15 hours) (1 cr.)
- HPER-H 160 First Aid and Emergency Care (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-P 200 Microcomputer Applications in Kinesiology (3 cr.)
- HPER-P 205 Structural Kinesiology (3 cr.)
- HPER-P 212 Introduction to Exercise Science (3 cr.)
- HPER-P 215 Principles and Practice of Exercise Science (3 cr.)
- HPER-P 246 Performance & Teaching of Cardiovascular & Resistance Training (3 cr.)
- HPER-P 258 Activities for People with Special Needs (3 cr.)
- HPER-P 373 Resistance Exercise/Sports Conditioning\* (3 cr.)
- HPER-P 374 Basic Electrocardiogram for Exercise Sciences\* (2 cr.)
- HPER-P 391 Biomechanics\* (3 cr.)
- HPER-P 393 Professional Practice Programs in Health, Physical Education and Recreation (Practical Experience)\* (7 cr.)
- HPER-P 403 Theory and Practice of Cardiovascular Exercise\* (3 cr.)
- HPER-P 405 Introduction to Sport Psychology\* (3 cr.)
- HPER-P 409 Basic Physiology of Exercise\* (3 cr.)
- HPER-P 410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations\* (3 cr.)
- HPER-P 417 Physical Activity and Disease: Prevention and Treatment\* (3 cr.)
- HPER-P 419 Fitness Testing and Interpretation\* (3 cr.)
- HPER-P 420 Exercise Leadership and Program Design for Apparently Healthy and Special Populations\* (3 cr.)
- HPER-P 443 Internship: Physical Education (Internal capstone)\* (3 cr.)
- HPER-P 452 Motor Learning\* (3 cr.)
- Camp Brosius Leadership Training (3 cr.)

Total: 68 credit hours

\*Go to School of Physical Education and Tourism Management website for list of prerequisites.

## General Education Requirements

### A. Humanities and Social/Behavioral Sciences (21 credit hours)

- COMM-R 110 Fundamentals of Speech Communication (C or higher required) (3 cr.)
- ENG-W 131 Elementary Composition (C or higher required) (3 cr.)
- ENG-W 231 Professional Writing Skills OR BUS-X 204 Business Communications (C or higher required) (3 cr.)
- PSY-B 110 Introduction to Psychology (3 cr.)

### Elective Humanities and Social/Behavioral (9 hours)

Select at least one course outside of Communication/English. Select from:

- Anthropology (ANTH)
- Art (HER)
- Classical Studies (CLAS)
- Communication (COMM)
- Economics (ECON)
- English (ENG)
- Folklore (FOLK)
- Foreign Language
- Geography (non physical) (GEOG)
- History (HIST)
- HPER: P402, P411
- Journalism (JOUR)
- Music (MUS)
- Organizational Leadership and Supervision (OLS)
- Philosophy (PHIL)
- Political Science (POLS)
- Psychology (PSY)
- Religion (REL)
- Sociology (SOC)
- Women's Studies (WOST)

### B. Life Science and Mathematics (27 credit hours)

- BIOL-N 261 Human Anatomy (5 cr.)
- BIOL-N 217 Human Physiology (5 cr.)
- MATH 15900 Pre-Calculus (5 cr.) OR MATH 15300 Algebra and Trigonometry I (3 cr.) AND MATH 15400 Algebra and Trigonometry II (3 cr.) may be substituted
- CHEM-C 105 Principles of Chemistry I (3 cr.)
- CHEM-C 125 Experimental Chemistry I (2 cr.)
- PHYS 21800 General Physics I (4 cr.)
- PSY-B 305 Statistics (3 cr.) OR STAT 30100 Elementary Statistical Methods (3 cr.)

### C. Additional Required Prerequisites for the Doctoral of Physical Therapy Program (13-14 credit hours)

- CHEM-C 106 Principles of Chemistry II (3 cr.)
- CHEM-C 126 Experimental Chemistry II (2 cr.)
- CLAS-C 209 Medical Terms from Greek and Latin (2 cr.) OR RAD1-R 108 Medical Terminology (1 cr.)
- PHYS 21900 General Physics II (4 cr.)
- PSY-B 310 Life Span Development (3 cr.)

## Fitness Management and Personal Training Plan of Study

This plan of study will lead to a Bachelor of Science in Physical Education degree. It is directed to those students who are interested in pursuing positions in personal fitness training, recreational fitness, and related areas.

### Physical Education Requirements

- HPER-L 135 Learning Community: Physical Education-Exercise Science (for new students & transfers with <15 hours) (1 cr.)
- HPER-H 160 First Aid and Emergency Care (3 cr.)
- HPER-H 180 Stress Prevention and Management (3 cr.)
- HPER-H 195 Principles/Applications of Lifestyle Wellness (3 cr.)
- HPER-H 350 Complementary/Alternative Approaches to Health (3 cr.)
- HPER-H 363 Personal Health (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)



- HPER-P 200 Microcomputers Applications in Kinesiology (3 cr.)
- HPER-P 205 Structural Kinesiology (3 cr.)
- HPER-P 212 Introduction to Exercise Science (3 cr.)
- HPER-P 215 Principles and Practice of Exercise Science (3 cr.)
- HPER-P 246 Performance & Teaching of Cardiovascular & Resistance Training (3 cr.)
- HPER-P 258 Activities for People with Special Needs (1 cr.)
- HPER-P 373 Resistance Exercise/Sports Conditioning\* (3 cr.)
- HPER-P 393 Professional Practice Programs in Health, Physical Education and Recreation (Practical Experience)\* (7 cr.)
- HPER-P 397 Kinesiology\* (3 cr.)
- HPER-P 403 Theory and Practice of Cardiovascular Exercise\* (3 cr.)
- HPER-P 405 Introduction to Sport Psychology\* (3 cr.)
- HPER-P 409 Basic Physiology of Exercise\* (3 cr.)
- HPER-P 410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations\* (3 cr.)
- HPER-P 416 Fitness Management\* (3 cr.)
- HPER-P 417 Physical Activity and Disease: Prevention and Treatment\* (3 cr.)
- HPER-P 419 Fitness Testing and Interpretation\* (3 cr.)
- HPER-P 420 Exercise Leadership and Program Design for Apparently Healthy and Special Populations\* (3 cr.)
- HPER-P 443 Internship: Physical Education (Internal capstone)\* (3 cr.)
- Camp Brosius Leadership Training (3 cr.)

\*=Prerequisites. Go to School of Physical Education and Tourism Management website for list of prerequisites.

Total: 78 credit hours

### General Education Requirements

#### A. Humanities and Social/Behavioral Sciences (21 credit hours)

- COMM-C 180 Introduction to Interpersonal Communications (3 cr.)
- COMM-R 110 Fundamentals of Speech Communication (C or higher required) (3 cr.)
- ENG-W 131 Elementary Composition (C or higher required) (3 cr.)
- ENG-W 231 Professional Writing Skills OR BUS-X 204 Business Communications (C or higher required) (3 cr.)
- PSY-B 110 Introduction to Psychology (3 cr.)

#### Elective Humanities and Social/Behavioral (6 hours)--

Select at least one course outside of Communication/English. Select from:

- Anthropology (ANTH)
- Art (HER)
- Classical Studies (CLAS)
- Communication (COMM)
- Economics (ECON)
- English (ENG)
- Folklore (FOLK)

- Foreign Language
- Geography (non physical) (GEOG)
- History (HIST)
- HPER: P402, P411
- Journalism (JOUR)
- Music (MUS)
- Organizational Leadership and Supervision (OLS)
- Philosophy (PHIL)
- Political Science (POLS)
- Psychology (PSY)
- Religion (REL)
- Sociology (SOC)
- Women's Studies (WOST)

#### B. Science and Mathematics (11 credit hours)

- BIOL-N 212 Human Biology (3 cr.)
- BIOL-N 213 Human Biology Lab (1 cr.)
- BIOL-N 214 Human Biology (3 cr.)
- BIOL-N 215 Human Biology Lab (1 cr.)
- STAT 11300 Statistics and Society (3 cr.)

#### C. Business Related Courses (9 credit hours)

- BUS-M 226 Personal Selling Techniques (3 cr.) OR BUS-M 200 Marketing and Society: Roles/Responsibilities (3 cr.)
- BUS-F 260 Personal Finance (3 cr.) OR BUS-F 200 Foundations of Financial Management (3 cr.)
- OLS 252 Human Behavior in Organizations

#### D. Suggested Electives (6 credit hours): Choose two of the courses listed below:

- COMM-C 392 Health Communication (3 cr.)
- FN 33000 Diet Selection and Planning (3 cr.)
- HPER-H 317 Topical Seminar in Health Education (Topic examples include program planning, health coaching, etc.) (3 cr.)
- PBHL-A 322 Principles of Epidemiology (3 cr.)
- PSY-B 365 Stress and Health (3 cr.)
- PSY-B 356 Motivation (3 cr.)
- SHRS-W 361 Health Promotion and Disease Prevention (3 cr.)

## Sports Management Plan of Study

This program will lead to a Bachelor of Science in Physical Education degree. Included in this plan of study is a business component: students must complete either the Business Foundations Certificate (21 cr.) or the Business Minor (21 cr.) through the Kelley School of Business. Details of the business component are available on the Kelley School of Business website, [kelley.iupui.edu/undergrad/Curriculum.cfm](http://kelley.iupui.edu/undergrad/Curriculum.cfm).

#### Physical Education Requirements

- HPER-L 135 Learning Community: Physical Education-Exercise Science (for new students & transfers with <15 hours) (1 cr.)
- HPER-H 160 First Aid and Emergency Care (3 cr.)
- HPER-P 200 Microcomputer Applications in Kinesiology (3 cr.) OR BUS-K 201 The Computer in Business (3 cr.)
- HPER-P 211 Principles and Practice of Exercise Science (3 cr.)

- HPER-P 215 Principles and Practice of Exercise Science (3 cr.)
- HPER-P 392 Sport in American Society (3 cr.)
- HPER-P 393 Professional Practice Programs in Health, Physical Education and Recreation (Practical Experience) (7 cr.)
- HPER-P 402 Ethics in Sport (3 cr.)
- HPER-P 411 Legal Aspects of Sport and Risk Management (3 cr.)
- HPER-P 415 Sport Promotions and Public Relations (3 cr.)
- HPER-P 418 Sport Marketing (3 cr.)
- HPER-P 423 Financial Principles of Sport (3 cr.)
- HPER-P 426 Sales Management in Sport (3 cr.)
- Course # Sports Management Consulting Project (3 cr.)
- TCEM 219 Management of Sports Events (3 cr.)
- Camp Brosius Leadership Training (3 cr.)

Total: 53 credit hours

### Business Requirements

Sport Management majors must complete either Business Minor or Business Foundations Certificate.

#### Business Minor (21-24 credit hours)

- BUS-A 200 Foundations of Accounting (3 cr.)
- BUS-K 201 The Computer in Business (3 cr.)
- BUS-L 203 Commercial Law I (3 cr.)
- BUS-F 300 Introduction to Financial Management (3 cr.)
- BUS-M 300 Introduction to Marketing (3 cr.)
- BUS-P 300 Introduction to Operations Management (3 cr.)
- BUS-D 301 International Business Environment (3 cr.) OR BUS-Z 302 Managing and Behavioral in Organizations (3 cr.) OR BUS-Z 311 Leadership and Ethics in the Business Environment (3 cr.) AND BUS-Z 312 Human Resources and Negotiations (3 cr.)

#### Business Foundations Certificate (21 credit hours)

- BUS-A 186 Accounting and the Business Environment (3 cr.)
- BUS-W 200 Introduction to Business and Management (3 cr.)
- BUS-M 200 Marketing and Society: Roles/Responsibilities (3 cr.)
- BUS-Z 200 Introduction to Human Resources Practices (3 cr.)
- BUS-F 200 Foundations of Financial Management (3 cr.)
- BUS-P 200 Foundations of Operations and Supply Chain Management (3 cr.)

Choose one of the following:

- BUS-L 100 Personal Law (3 cr.)
- BUS-F 260 Personal Finance (3 cr.)
- ECON-E 101 Survey of Economic Issues/Problems (3 cr.)
- BUS-K 201 The Computer in Business (3 cr.)
- BUS-X 204 Business Communications (3 cr.)
- BUS-M 226 Personal Selling Techniques (3 cr.)

### General Education Requirements

#### A. Humanities (9 credit hours)

- COMM-R 110 Fundamentals of Speech Communication (3 cr.)
- ENG-W 131 Elementary Composition (3 cr.)
- ENG-W 231 Professional Writing Skills OR BUS-X 204 Business Communications (3 cr.)

A grade of C or higher is required in COMM-R 110, ENG-W 131 and ENG-W 231 or BUS-X 204, and none of these may be taken by correspondence.

#### B. Science, Mathematics and Technology (6 credit hours)

- MATH-M 119 Brief Survey of Calculus I (3 cr.)
- SPEA-K 300 Statistical Techniques (3 cr.) OR PSY-B 305 Statistics (3 cr.) OR STAT 30100 Elementary Statistical Methods (3 cr.) OR ECON-E 270 Introduction to Statistical Theory Economics and Business (3 cr.)

#### C. Social and Behavioral Sciences (15 credit hours minimum)

- SOC-R 100 Introduction to Sociology (3 cr.)
- ECON-E 201 Introduction to Microeconomics (3 cr.)
- ECON-E 202 Introduction to Macroeconomics (3 cr.)
- PSY-B 110 Course Title (3 cr.)
- OLS 25200 Human Behavior in Organizations (3 cr.)

#### D. Suggested Electives (21-24 credit hours)

- HPER-P 333 Sport in America: History Perspective (3 cr.)
- HPER-H 363 Personal Health (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-P 331 Planning and Operation of Sports Facilities (3 cr.)
- HPER-P 324 Recreational Sports Programming (3 cr.)
- HPER-P 484 Interscholastic Athletic Administration (2 cr.)
- HPER-P 421 Special Topics in Physical Education (Summer Study Abroad Program) (3 cr.)
- TCEM 231 Tourism and Hospitality Marketing (3 cr.)
- TCEM 252 Promotional Communications (3 cr.)
- JOUR-J 321 Principles of Public Relations (3 cr.)
- MSTE 31000 Business of Motorsports I (3 cr.)
- MSTE 31100 Business of Motorsports II (3 cr.)
- INFO-I 475 Informatics in Sports (3 cr.)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)
- SPEA-V 458 Fund Development for Nonprofit Organizations (3 cr.)
- BUS-W 212 Explore Entrepreneurship (3 cr.)
- BUS-W 311 New Venture Creation (3 cr.)
- BUS-D 301 International Business Environment (3 cr.)
- \*HPER-P 200 may substitute for BUS-K 201 in the Business Minor; BUS-K 201 is required for the Business Certificate.

## Teacher Education Physical Education and Health Education Plan of Study

This program will lead to a Bachelor of Science in Physical Education degree and Indiana teaching certification in health education and physical education (dual licensure) at the elementary, junior high/middle school, and high school levels.

### Physical Education Requirements

Students must pass a departmental swimming test; if necessary, students must take lessons or class, then retest.

**Elective HPER activity class:** (1 cr.) Students must obtain advance approval from academic advisor; activity should be new to the student. Elective dance class requirement does not meet this requirement.

- HPER-L 135 Learning Community: Physical Education-Exercise Science (1 cr.)
- HPER-H 160 First Aid & Emergency Care (3 cr.)
- HPER-H 163 Introduction to Health Education (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-P 157 Teaching Individual & Team Activities (3 cr.)
- HPER-P 195 History & Principles of Physical Education (3 cr.)
- HPER-P 200 Microcomputer Applications in Kinesiology (3 cr.) (grade of C or higher required)
- HPER-P 204 Motor Development (3 cr.)
- HPER-P 205 Structural Kinesiology (3 cr.)
- HPER-P 215 Principles & Practice of Exercise Science (3 cr.)
- HPER-P 224 Teaching of Dance Activities (2 cr.)
- HPER-P 246 Performance & Teaching of Cardio & Resistance Training (3 cr.)
- HPER-P 271 Individual Sport (1 cr.)
- HPER-P 258 Performance & Teaching of Activities for Persons with Special Needs (1 cr.)
- HPER-P 290 Movement Experiences for Preschool & Elementary Children (2 cr.)
- HPER-P 390 Growth & Motor Performance of School-Age Youth K-12 (2 cr.)
- HPER-P 397 Kinesiology (3 cr.)
- HPER-P 398 Adapted Physical Education (3 cr.)
- HPER-P 405 Introduction to Sport Psychology (3 cr.)
- HPER-P 409 Basic Physiology of Exercise (3 cr.)
- HPER-P 411 Legal Issues in Sport Settings (3 cr.)
- HPER-P 452 Motor Learning (3 cr.)
- HPER-P 493 Tests & Measurements in Physical Education (3 cr.)
- HPER-P 495 Laboratory Teaching in Physical Education Program (1 cr.)
- HPER-P 497 Organizational & Curricular Structures of Physical Education K-12 (2 cr.)
- HPER-R 275 Dynamics of Camp Leadership (2 cr.)
- HPER-F 255 Human Sexuality (3 cr.)
- HPER-H 317 Special Topics: Instructional Strategies in Health Education (3 cr.)
- HPER-H 318 Drug Use in American Society (3 cr.) OR HPER-H 517 Student Assistance Program I (3 cr.)
- HPER-H 464 Coordinated School Health Program (3 cr.)

**Health elective:** Select 6 credits from HPER-F 258 Marriage and Family Interaction, HPER-H 180 Stress Prevention & Management, HPER-H 317 Health & Wellness Summer Institute, HPER-H 414/515 Health Education in Grades K-8 OR other course approved in advance by department chair or health education faculty.

Total: 87 credit hours

### General Education Requirements

**A. Humanities** (9 cr.)--A grade of C or higher is required. None of these may be taken by correspondence.

- COMM-R 110 Fundamentals of Speech Communication (3 cr.)
- ENG-W 131 Elementary Composition (3 cr.)
- ENG-W 231 Professional Writing Skills OR BUS-X 204 Business Communications (3 cr.)

### B. Life Science and Mathematics

 (8 cr.)

- BIOL-N 214 + BIOL-N 215 Human Biology (4 cr.)
- STAT 11300 Statistics and Society (3 cr.) OR more advanced mathematics course

### C. Social and Behavioral Sciences

 (9 cr. minimum)

- ANTH-A 104 Culture and Society (3 cr.) OR similar cross-cultural course approved in advance
- PSY-B 104 Psychology as a Social Science (3 cr.)

**Electives:** Choose 3 credit hours from one of the following departments:

- Economics
- Geography (nonphysical)
- History
- Organizational Leadership and Supervision (OLS 252, OLS 274)
- Political Science
- Sociology
- Women's Studies

Total: 26 credit hours

### Professional Education Requirements

Students must be admitted to the School of Education teacher education program to enroll in these courses. October 7 and February 10 are the deadlines for submission of teacher education applications to the School of Education. Students must pass three assessment benchmarks in addition to meeting grade point requirements. Courses must be taken in the prescribed sequence and are offered only in the daytime and in fall and summer semesters. Grades of C are required in all classes; however, a grade point average (GPA) of 2.5 or higher is required throughout the professional education courses. See the School of Education Web site ([education.iupui.edu](http://education.iupui.edu)) for further details.

- EDUC-M 301 Diversity & Learning Field Experience (1 cr.)
- EDUC-M 303 Teaching & Learning in the Middle School Field Experience (1 cr.)
- EDUC-M 322 Diversity & Learning: Reaching Every Adolescent (6 cr.)
- EDUC-M 408 Methods of Teaching Physical Education Field Experience (1 cr.)

- EDUC-M 425 Student Teaching in the Elementary School (8 cr.) OR EDUC-M 451 Student Teaching in Junior High/Middle School (8 cr.)
- EDUC-M 451 Student Teaching/Secondary School (8 cr.)
- EDUC-M 456 Methods of Teaching Physical Education (3 cr.)
- EDUC-M 469 Content Area Literacy (3 cr.)
- EDUC-S 420 Teaching & Learning in the Middle School (3 cr.)

Total: 33 credit hours

#### D. Electives (optional)

## Other Programs Offered in Physical Education and Related Areas

### Adapted Physical Education Minor

This program and its curriculum are under revision. The adapted physical education program will prepare the physical educator to design and develop programs for special populations in school and community settings. Upon completion, the revised program will offer students the opportunity to earn dual teacher certification in physical education and in adapted physical education. For further information, contact Dr. Katie Stanton-Nichols, Department of Physical Education, [kstanton@iupui.edu](mailto:kstanton@iupui.edu), and review the material in the "Adapted Physical Education" section of [www.iupui.edu/~indyhper/pe\\_degrees.htm](http://www.iupui.edu/~indyhper/pe_degrees.htm).

### Dance Minor

This program is under revision. The dance minor provides students with experiences in dance performance, choreography and production, movement theory and the related arts, and teaching. For further information, contact the chairperson of the Department of Physical Education at (317) 274-2248; [pedept@iupui.edu](mailto:pedept@iupui.edu).

### Health Education Minor (18 credit hours)

This program is open to all IUPUI students, regardless of major. This program allows students to obtain foundational knowledge and skills about healthy lifestyles, prevention of disease and optimal living through wellness behaviors. The students will add a health component to their academic base for careers in various fields such as wellness coaching, teaching, nursing, social work or tourism.

#### Required courses

- HPER-H 195 Principles & Applications of Lifestyle Wellness (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-H 366 Health Problems in the Community (3 cr.)
- HPER-P 215 Principles & Practices of Exercise Science (3 cr.) OR HPER-P 216 Current Concepts & Applications in Physical Fitness (3 cr.)

Total: 12 credit hours

#### Elective courses--Select 2 courses from this list:

- HPER-F 258 Marriage & Family Interaction (3 cr.)
- HPER-F 255 Human Sexuality (3 cr.)

- HPER-H 180 Stress Prevention & Management (3 cr.)
- HPER-H 305 Women's Health (3 cr.)
- HPER-H 315 Consumer Health (3 cr.)
- HPER-H 317 Workshop in Health Education (3 cr.)
- HPER-H 318 Drug Use in American Society (3 cr.)
- HPER-H 350 Complementary/Alternative Approaches to Health (3 cr.)
- HPER-H 352 Secondary School Health Curriculum & Instruction (3 cr.)
- HPER-H 363 Personal Health (3 cr.)
- HPER-H 464 Coordinated School Health Programs (3 cr.)

Total: 6 credit hours

### Coaching Endorsement

This program is under revision. For details, contact the Department of Physical Education at (317) 274-2248; [pedept@iupui.edu](mailto:pedept@iupui.edu).

### Certificate in Personal Training

This certificate provides individuals with a basic understanding of the principles of personal training and prepares them for two national certification exams: the Exercise Leader Certificate of the American College of Sports Medicine and Certified Personal Trainer from the National Strength and Conditioning Association. Currently there are no state or national licensing requirements for personal trainers. All courses in the certificate curriculum apply to the exercise science degree.

Prerequisites: Admission to IUPUI.

- HPER-P 205 Structural Kinesiology (3 cr.)
- HPER-P 215 Principles and Practice of Exercise Science (3 cr.)
- HPER-N 220 Nutrition for Health (3 cr.)
- HPER-P 246 Performance & Teaching of Cardiovascular & Resistance Training (3 cr.)
- HPER-P 373 Resistance Exercise and Sports Conditioning (3 cr.)
- HPER-P 403 Theory and Practice of Cardiovascular Exercise (3 cr.)
- Anatomy and Physiology: BIOL-N 212 + N 213 + N 214 + N 215; or BIOL-N 261 + N 217; or BIOL-K 101 + K 103 (8 or 10 cr.)

Total: 26-28 credit hours

A grade of C or better is required in all certificate courses.

## Department of Tourism, Conventions and Event Management Degree Programs

- Bachelor of Science in Tourism, Conventions and Event Management (IU degree)
- Cultural Heritage Tourism Certificate (IU)
- Food Production Management Certificate (Purdue)
- Lodging Management Certificate (Purdue)
- Beverage Management Certificate (Purdue)
- Events Management Certificate (IU)
- Health Tourism Certificate (IU)
- Travel Planning Certificate (IU)

- Sports Tourism Development (IU)
- Consumer and Family Science Transfer Program

## Bachelor of Science in Tourism, Conventions and Event Management (IU degree)

This program will lead to a Bachelor of Science degree. Graduates are qualified to be employed in different segments of the tourism industry: research, destination development, adventure travel, festivals, events, travel management, entertainment, attractions, transportation, accommodations, and/or food operations. Upon completion of the degree, students will be able to:

1. Define, apply, analyze and execute operational principles of tourism and event management.
2. Perform effective oral and written communication skills.
3. Address and analyze tourism sustainability and trends both critically and reflectively.
4. Work efficiently and productively with persons from different cultures and backgrounds.
5. Demonstrate ethical behavior and leadership skills to solve issues in a tourism-related environment.
6. Advance best practices in the tourism and event profession.
7. Practice a sense of community and civic mindedness.

### General Education Requirements

- ENG-W 131 English Composition I (3 cr.) (C or higher)
- ENG-W 231 Professional Writing Skills (3 cr.) (C or higher)
- ENG-W 331 Business and Administrative Writing (3 cr.) OR COMM-R 320 Public Communication (3 cr.) OR COMM-C 325 Interviewing Principles and Practices (3 cr.) OR COMM-C 482 Inter-Cultural Communication (3 cr.)
- COMM-R 110 Fundamentals of Speech Communication (3 cr.) (C or higher)
- PSY-B 110 Course Title (3 cr.)
- PSY elective (300 level) (3 cr.)
- ECON-E 201 Introduction to Microeconomics (3 cr.)
- PHIL-P 162 Logic (3 cr.)
- MATH-M 118 Finite Mathematics (3 cr.)
- SPEA-K 300 Statistical Techniques (3 cr.) P: MATH-M 118 with a C- or better
- World Languages and Culture (6 cr.)
- GEOG-G 110 Introduction to Human Geography (3 cr.)
- ANTH-A 304 Social and Cultural Behavior OR ANTH-A 361 Applied Cultural Change

Choose one of the following GEOG electives:

- GEOG-G 321 Geography of Europe (3 cr.)
- GEOG-G 323 Geography of Latin America (3 cr.)
- GEOG-G 324 Geography of the Caribbean (3 cr.)
- GEOG-G 326 Geography of North America (3 cr.)
- GEOG-G 424 Geography of Africa (3 cr.)

Total: 45 credit hours

## Tourism, Conventions and Event Management Requirements

- TCEM 100 Introduction to Tourism Studies (3 cr.)
- TCEM 112 Tourism and Hospitality Management Principles (3 cr.)
- TCEM 171 Introduction to Convention/Meeting Management (3 cr.)
- TCEM 181 Lodging Industry Operations (3 cr.)
- TCEM 210 Special Event Management (3 cr.) P: TCEM 171
- TCEM 219 Management of Sports Events (3 cr.)
- TCEM 241 Financial Analysis for the Service Industries (3 cr.) P: PHIL-P 162 Logic
- TCEM 252 Promotional Communications (3 cr.) P: ENG-W 231
- TCEM 271 Mechanics of Meeting Planning (3 cr.) P: TCEM 171
- TCEM 310 Event Catering Management (2 cr.)
- TCEM 312 Human Resources Management for Service Industry (3 cr.) P: TCEM 112
- TCEM 341 Financial Analysis and Decision Making in Tourism and Hospitality (3 cr.) P: TCEM 241
- TCEM 372 Global Tourism Geography (3 cr.) P: TCEM 172 and GEOG-G 300 elective
- TCEM 411 Tourism and Hospitality Law (3 cr.) P: TCEM 112 and TCEM 312
- TCEM 472 Global Tourism (3 cr.) P: TCEM 100
- TCEM 499 Operational Tourism Analysis (3 cr.) P: TCEM 112, TCEM 231, TCEM 341, SPEA-K 300

Total: 67 credit hours

### Electives

- 6 credit hours must be at the 100 or 200 level.
- 6 credit hours must be at the 300 level or higher.

Total: 12 credit hours

### Grand Total: 124 credit hours

\*Note: TCEM classes may be used for free electives.

## Cultural Heritage Tourism Certificate (IU)

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded a Cultural Heritage Tourism certificate. Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 100 Introduction to Tourism Systems (3 cr.)
- TCEM 172 The Development and Management of Attractions (3 cr.)
- TCEM 231 Marketing Tourism and Hospitality (3 cr.)
- TCEM 302 Hospitality/Tourism Industry (2 cr.)
- TCEM 334 Cultural Heritage Tourism (3 cr.)
- TCEM 372 International Travel Geography (3 cr.)
- TCEM 401 Industry Internship (2 cr.)
- TCEM 472 Global Tourism Seminar (3 cr.)

Total: 22 credit hours

## Food Production Management Certificate (Purdue)

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded a Food Production Management certificate. Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 191 Sanitation and Health in Food Service, Lodging and Tourism (3 cr.)
- TCEM 218 Wines of the World (3 cr.)
- TCEM 312 Human Resource Management for the Service Industries (3 cr.)
- TCEM 318 Creative Wine Management (3 cr.)
- TCEM 385 Beer and Spirits Management (3 cr.)
- TCEM 401 Industry Internship\* (2 cr.)
- TCEM 310 Event Catering Management (2 cr.)
- TCEM-L 310 Event Catering Management Laboratory (1 cr.)

Total: 20 credit hours

\*Industry internship requires 400 paid hours or 200 volunteer hours. Part of the requirement is mandatory work for a week at Churchill Downs during the Kentucky Derby.

## Lodging Management Certificate (Purdue)

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded a Lodging Management certificate.

Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 112 Tourism and Hospitality Management Principles (3 cr.)
- TCEM 181 Lodging Industry Operations (3 cr.)
- TCEM 191 Sanitation and Health in Food Service, Lodging and Tourism (3 cr.)
- TCEM 241 Financial Accounting for the Service Industries (3 cr.)
- TCEM 281 Hotel Management (3 cr.)
- TCEM 371 Convention and Meeting Sales (3 cr.)
- TCEM 401 Tourism Internship (2 cr.)

Total: 20 credit hours

## Beverage Management Certificate (Purdue)

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded a Beverage Management certificate. Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 218 Wines of the World (3 cr.)
- TCEM 308 Wine Selection (3 cr.)

- TCEM 318 Creative Wine Management (3 cr.)
- TCEM 328 Introduction to Microbrewing (3 cr.)
- TCEM 385 Beer and Spirits Management (3 cr.)
- TCEM 388 Wine Styles (3 cr.)
- TCEM 408 Food and Wine Pairing (3 cr.)
- TCEM 418 History of Wine (3 cr.)

Total: 24 credit hours

## Events Management Certificate (IU)

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded an Events Management certificate.

Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 171 Introduction to Convention/Meeting Management (3 cr.)
- TCEM 210 Special Event Management (3 cr.)
- TCEM 219 Management of Sport Events (3 cr.)
- TCEM 271 Mechanics of Meeting Planning (3 cr.)
- TCEM 371 Convention and Meeting Sales (3 cr.)
- TCEM 377 Exhibit Marketing (3 cr.)
- TCEM 401 Industry Internship (1 cr.)
- TCEM 471 International Meeting Planning (3 cr.)
- TCEM 477 Non-Profit Meeting Management (3 cr.)

Total: 25 credit hours

## Health (Wellness) Tourism Certificate

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded a Health Tourism certificate.

Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 100 Introduction to Tourism Systems (3 cr.)
- TCEM 172 The Development and Management of Attractions (3 cr.)
- TCEM 231 Hospitality and Tourism Marketing (3 cr.)
- TCEM 302 Hospitality/Tourism Trends (1 cr.)
- FN 30300 Essentials of Nutrition (3 cr.)
- HPER-H 180 Stress Prevention and Management (3 cr.)
- HPER-H 195 Principles and Applications of Lifestyle Wellness (3 cr.)
- HPER-H 350 Complementary and Alternative Approaches to Health (3 cr.)

Total: 22 credit hours

## Travel Planning Certificate (IU)

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded a Travel Planning certificate.

Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 100 Introduction to Tourism Systems (3 cr.)
- TCEM 231 Hospitality and Tourism Marketing (3 cr.)
- TCEM 309 Cruise Line Management (3 cr.)
- TCEM 372 Global Tourism Geography (3 cr.)
- TCEM 382 Popular Travel Trends (3 cr.)
- TCEM 482 Travel to Exotic Destinations (3 cr.)
- GEOG-G 130 World Geography (3 cr.)
- GEOG-G 321 Geography of Europe OR GEOG-G 323 Geography of Latin America OR GEOG-G 324 Geography of Caribbean OR GEOG-G 326 Geography of North America OR GEOG-G 424 Geography of Africa (3 cr.)

Total: 24 credit hours

## Sports Tourism Development Certificate (IU)

Completion of the courses below with a passing grade and a cumulative GPA of 2.2 within a five-year period will qualify an IUPUI student (undergraduate non-degree seeking students are not eligible) or graduate non-degree student to be awarded a Sports Tourism Development certificate. Certificates are considered degrees and do not have to be paired with an Associate's or Bachelor's degree to be awarded.

- TCEM 100 Introduction to Tourism Systems (3 cr.)
- TCEM 219 Management of Sports Events (3 cr.)
- TCEM 231 Tourism and Hospitality Marketing (3 cr.)
- TCEM 329 Sports Marketing (3 cr.)
- TCEM 352 Promotional Communications (3 cr.)
- TCEM 362 Tourism Economics (3 cr.)
- TCEM 387 Industry Internship (1 cr.)
- HPER-P 331 Planning and Operations of Sports Facilities (3 cr.)
- HPER-P 392 Sport in American Society (3 cr.)

Total: 25 credit hours

## Consumer and Family Science Transfer Program

Requirements for a Bachelor of Science degree in child development and family studies; foods and nutrition; consumer sciences and retailing; hospitality and tourism management; or family and consumer sciences education can be started at IUPUI. Students must transfer to the School of Consumer and Family Sciences at Purdue University in West Lafayette. See a TCEM academic advisor for more information on transfer completion.

## Student Learning Outcomes

The [Exercise Science \(Pre-Med, Pre-Occupational Therapy\)](#), [Pre-Physician Assistant, Pre-Physical Therapy](#)) and [Fitness Management and Personal Training](#) majors in the Department of Physical Education at IUPUI align its curricular student learning outcomes with the framework of the American College of Sport Medicine (ACSM) Health Fitness Specialist (HFS) certification. The HFS is a degreed health and fitness professional qualified to pursue a career in university, corporate, commercial, hospital and community settings.

1. Student will demonstrate an understanding of general principles of exercise science concepts.

2. Student will demonstrate the ability to conduct health and fitness appraisals and clinical exercise testing.
3. Student will demonstrate an understanding of electrocardiography, diagnostics, patient management, medications, pathophysiology and risk factors associated with exercise and clinical exercise testing.
4. Student will demonstrate the ability to conduct exercise prescription and programming.
5. Student should demonstrate an understanding of basic nutrition and weight management.
6. Student should demonstrate an understanding of basic human behavior and counseling as it applies to strategies of enhancing exercise and health behaviors.
7. Student will demonstrate an understanding of safety, injury prevention and emergency procedures.
8. Student will demonstrate an understanding of program administration and outcomes assessment.

### The [Physical Education Teacher Preparation program](#)

in the Department of Physical Education at IUPUI aligns its curricular student learning outcomes with the framework of the National Association for Sport and Physical Education; as such, the student learning outcomes are:

1. Students apply discipline specific and theoretical concepts when developing physically educated individuals.
2. Students demonstrate competent movement and health enhancing fitness skills.
3. Students implement developmentally appropriate learning experiences to address the diverse needs of all students.
4. Students use effective communication and pedagogical skills and strategies to enhance student engagement and learning.
5. Students utilize assessments and reflection to foster student learning and make informed instructional decisions.
6. Students demonstrate dispositions essential to becoming effective professionals.

The [Sports Management program](#) in the Department of Physical Education at IUPUI deals with the business side of the multibillion dollar sports industry. Upon completion of this degree, students will be able to:

1. Demonstrate an understanding of the various revenue streams and expenses in the sport management industries.
2. Summarize the potential risks associated with managing an event, organization, stadium or other sports venue and recommend solutions to avoid the risk.
3. Integrate and apply knowledge to analyze an industry issue and recommend solutions and/or strategies.
4. Present a persuasive argument both in writing and orally.
5. Describe the governance associated with the various sport management industries.
6. Discuss the unique impact of sport on society.

The [Tourism, Conventions and Event Management program](#) will lead to a Bachelor of Science degree. Graduates are qualified to be employed in different segments of the tourism industry: research, destination development, adventure travel, festivals, events, travel management, entertainment, attractions, transportation, accommodations and/or food operations. Upon completion of the degree, students will be able to:

1. Define, apply, analyze, and execute operational principles of tourism and event management.
2. Perform effective oral and written communication skills.
3. Address and analyze tourism sustainability and trends critically and reflectively.
4. Work efficiently and productively with persons from different cultures and backgrounds.
5. Demonstrate ethical behavior and leadership skills to solve issues in a tourism-related environment.
6. Advance best practices in the tourism and event profession.
7. Practice a sense of community and civic mindedness.

*Last updated January 2012*

## Graduate Programs

### Master of Science--Kinesiology

The Indiana University School of Physical Education and Tourism Management at Indiana University Purdue University Indianapolis offers a Master of Science degree in Kinesiology. This degree will provide students with a multidisciplinary and in-depth understanding of kinesiology and its related fields. The objectives of the program are: (1) to create coursework and experiences that promote higher learning; (2) to develop community and university-based partnerships that facilitate research and learning opportunities; and (3) to provide personal growth and professional development to teachers and others in the field.

### Master of Science--Event Tourism

The Indiana University School of Physical Education and Tourism Management at Indiana University Purdue University Indianapolis offers a Master of Science degree in Event Tourism. This degree will provide students with practical and theoretical understanding of the events and experiences created by expositions, fairs, sports, festivals, conferences, meetings and cultural destinations.

The program culminates in a thesis such that graduates are well equipped to conduct research as a means to inform and improve decision making. Graduates will be prepared for positions in public, private and non-profit organizations related to event tourism experiences.

## Admissions--Master of Science in Event Tourism

### Master of Science—Event Tourism

#### Regular Admissions Requirements

Students entering the graduate program must have:

- Official transcripts from a baccalaureate degree in a related area (e.g., tourism management, hospitality management, sports management, leisure studies, recreation management, business) from an accredited institution.
- A minimum grade point average (GPA) of 3.0 on a 4.0 scale.
- A satisfactory score on the Graduate Record Examination (GRE) taken within the past five years.
- A completed graduate program application and payment of the non-refundable application fee. Link can be found at: [www.iupui.edu/%7egradoff](http://www.iupui.edu/%7egradoff).

### IMPORTANT Event Tourism Master's Application Information

The following items must be submitted online with your application:

- Three letters of recommendation that address the student's potential for academic success in a graduate program.
- Candidate's statement (1,000 words) regarding the applicant's professional experiences, personal goals, career aspirations and how earning an M.S. degree relates to each.

The following must be submitted AT ONE TIME to the School of Physical Education and Tourism Management Recorder and will be added to your application:

- GRE scores (official copy; may be opened, but may not be a photocopy)
- Official transcripts from all colleges previously attended; both undergraduate and graduate
- For international students, proof of proficiency in English, as defined by a score of 550 or above on the paper-based Test of English as a Foreign Language (TOEFL) and a minimum of 213 on the computer-based TOEFL, or 79 on the iBT.

Mail to:

School of Physical Education and Tourism Management Recorder's Office 901 West New York Street Indianapolis, IN 46202

Until all items are received, an application will be considered incomplete and cannot be reviewed. Once complete, your application will be added to the queue for committee review. Please e-mail the PETM School Recorder at [petmrec@iupui.edu](mailto:petmrec@iupui.edu) if you have any questions.

### Undergraduate courses required of applicants with undergraduate degrees in unrelated areas

Students who have bachelor degrees in unrelated areas or disciplines may be granted admission upon the completion of undergraduate courses listed below.

- TCEM 499 Operational Tourism Analysis (required for all) (3 cr.)
- SPEA-K 300 Statistical Techniques (3 cr.)
- MATH-M 118 Finite Mathematics (3 cr.)



## Admissions--Master of Science in Physical Education

### Master of Science—Physical Education

#### Regular Admission Requirements

Students entering the graduate program must:

- Have a bachelor's degree in physical education, exercise science, sports management or related area
- Have completed undergraduate work with a 3.0 grade point average on a 4.0 scale
- Have appropriate scores on the Graduate Record Examination (GRE)
- Submit complete application online by March 31st. Link can be found at: <http://www.iupui.edu/%7egradoff>.

#### IMPORTANT Physical Education Master's Application Information

The following items must be submitted online with your application:

- Non-refundable application fee
- All three letters of recommendation
- Personal statement

The following must be submitted AT ONE TIME to the School of Physical Education and Tourism Management Recorder and will be added to your application:

- GRE scores (official copy; may be opened, but may not be a photocopy)
- Official transcripts from all colleges previously attended; both undergraduate and graduate
- For international students, proof of proficiency in English, as defined by a score of 550 or above on the paper-based Test of English as a Foreign Language (TOEFL) and a minimum of 213 on the computer-based TOEFL.

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Until all items are received, an application will be considered incomplete and cannot be reviewed.

Once complete, your application will be added to the queue for committee review. Please e-mail the PETM School Recorder at [petmrec@iupui.edu](mailto:petmrec@iupui.edu) if you have any questions.

#### Undergraduate Courses Required of Applicants with Undergraduate Degrees in unrelated areas

Students who have bachelor degrees in unrelated areas or disciplines may be granted admission upon the completion of undergraduate courses listed below.

- HPER-P 215 Principles and Practices of Exercise Science (3 cr.)
- BIOL-N 217 Human Physiology (5 cr.) OR N 214 + N 215 Human Biology (4 cr.) (**Lecture offered Spring + Summer II; lab offered Spring only; may take lecture + lab together or lecture then lab**)

- BIOL-N 261 Human Anatomy (5 cr.) OR BIOL-N 212 + N 213 Human Biology (4 cr.)
- HPER-P 391 Biomechanics (3 cr.) P: Math 111 or higher; BIOL-N 261
- HPER-P 409 Basic Physiology of Exercise

**Prerequisites:** HPER-P 215, BIOL-N 261, BIOL-N 217 OR N 212 + N 213

## Admission

- **Master of Science--Event Tourism (M.S.)**
- **Master of Science—Physical Education (M.S.)**

## Contact Information

If you have questions about Physical Education programs, please contact the [Physical Education department](#), 317.274.0600.

If you have questions about Tourism, Conventions and Event Management programs, please contact the [TCEM department](#), 317.274.2248.

We'll be glad to answer your questions, direct you to a faculty member, or put you in contact with the university resource you seek.

## Degree Programs

### Master of Science--Kinesiology

The Indiana University School of Physical Education and Tourism Management at Indiana University Purdue University Indianapolis offers a Master of Science degree in Kinesiology. This degree will provide students with a multidisciplinary and in#depth understanding of kinesiology and its related fields. The objectives of the program are: (1) to create coursework and experiences that promote higher learning; (2) to develop community and university-based partnerships that facilitate research and learning opportunities; and (3) to provide personal growth and professional development to teachers and others in the field.

### Master of Science--Event Tourism

The Indiana University School of Physical Education and Tourism Management at Indiana University Purdue University Indianapolis offers a Master of Science degree in Event Tourism. This degree will provide students with practical and theoretical understanding of the events and experiences created by expositions, fairs, sports, festivals, conferences, meetings and cultural destinations.

The program culminates in a thesis such that graduates are well equipped to conduct research as a means to inform and improve decision making. Graduates will be prepared for positions in public, private and non-profit organizations related to event tourism experiences.

### Master of Science in Event Tourism

Degree requirements for students in the School of Physical Education and Tourism Management are established by the faculty of the school and may change. Students are bound by rules and regulations established by the faculty at the time of their initial matriculation as a graduate student. Every graduate student will be assigned

an advisor who will help cooperatively plan their course of study depending on experiences and education objectives.

### Required Courses (35 credit hours plus pre-requisites)

#### Foundation Courses

- HPER-T 590 Introduction to Research in Health, Kinesiology and Recreation (3 cr.)
- HPER-T 591 Interpretation of Data in Health, Kinesiology and Recreation (3 cr.)
- PSY 601 Experimental Design (3 cr.)
- PSY 608 Measurement Theory and Interpretation of Data (3 cr.)
- TCEM 599 Master's Thesis (5 cr.)

Total: 17 credit hours

#### Emphasis Courses (First three courses listed are required)

- TCEM 500 Foundations of Event Tourism (3 cr.)
- TCEM 531 Event Tourism Marketing (3 cr.)
- TCEM 562 Economics of Event Tourism (3 cr.)
- TCEM 519 Sports Tourism Management OR TCEM 534 Cultural Tourism Management OR TCEM 571 Strategic Meeting Management (3 cr.)

Total: 12 credit hours

#### Pre-Requisites

- TCEM 499 Operational Tourism Analysis (required for all) (3 cr.)
- SPEA-K 300 Statistical Techniques (3 cr.)
- MATH-M 118 Finite Mathematics (3 cr.)

Total: 9 credit hours

#### Elective Recommendations (Selected with approval of advisor)

- SPEA-V 506 Statistical Analysis for Effective Decision Making (3 cr.)
- SPEA-V 507 Data analysis and modeling - Public Affairs (3 cr.)
- SPEA-V 521 Non-Profit and Voluntary Sector (3 cr.)
- SPEA-V 522 Human Resource Management in Non-Profit Organizations (3 cr.)
- SPEA-V 525 Management in the Non-Profit Sector (3 cr.)
- SPEA-V 526 Financial Management for Non-Profit Organizations (3 cr.)
- SPEA-V 550 Topics in Public Affairs (GIS) (3 cr.)
- SPEA-V 558 Funding Development for Non-Profits (3 cr.)
- SPEA-V 539 Management Science (3 cr.)

Total: 6 credit hours

## Master of Science in Kinesiology-- Clinical Exercise Science

Degree requirements for students in the School of Physical Education and Tourism Management are established by the faculty of the school and may change. Students are bound by rules and regulations established by the faculty at the time of their initial matriculation as a graduate student. Every graduate student will be assigned an advisor who will help cooperatively plan their course of study depending on experiences and education objectives.

The Master of Science degree consists of a 18 hour core of major topics in kinesiology and human performance and an additional 18 hours of elective courses, of which a minimum of 9 must be completed in the School of Physical Education and Tourism Management.

### Required Courses

- HPER-K 530 Mechanical Analysis of Human Performance (3 cr.)
- HPER-K 535 Physiological Basis of Human Performance (3 cr.)
- HPER-K 542 Neuromuscular Control of Human Movement (3 cr.)
- HPER-K 562 Exercise in Health and Disease I (3 cr.)
- HPER-T 590 Introduction to Research in Human Performance (3 cr.)
- HPER-T 591 Interpretation of Data in Human Performance (3 cr.) OR BIOS-G 651 Introduction to Biostatistics I (3 cr.)

Total: 18 credit hours

### Elective Courses (Non-Thesis=18 credit hours; Thesis=9 credit hours)

- HPER-K 532 Clinical Biomechanics (3 cr.)
- HPER-K 500 Muscle Physiology (3 cr.)
- GRAD-G 819 Basic Bone Biology (3 cr.)
- HPER-K 563 Cardiac Assessment in Exercise Testing (2 cr.)
- HPER-K 564 Exercise in Health and Disease II (3 cr.)
- HPER-K 500 Special Variable Topics (EMG, Gait Analysis, Cardiac Testing) (3 cr.)
- ANAT-D 850 Gross Anatomy (5 cr.)
- PHSL-F 503 Human Physiology (4 cr.)
- PHSL-F 708 Cardiac & Coronary Physiology of Exercise (1 cr.)
- HPER-K 553 Physical Activity & Disease (3 cr.)
- SHRS-W 661 Theories of Health Promotion & Disease Prevention (3 cr.)
- HPER-K 533 Advanced Theories of High Level Performance (3 cr.)
- HPER-K 552 Problems in Adapted Physical Education (3 cr.)
- SHRS-N 500 Nutrition I (3 cr.)
- HPER-K 525 Sport Psychology (3 cr.)
- HPER-K 602 Independent Research (3 cr.)
- HPER-K 576 Measurement & Evaluation in Physical Education (3 cr.)
- HPER-K 601 Readings in Physical Education (3 cr.)
- HPER-K 560 Corporate Fitness & Wellness (3 cr.)
- HPER-K 545 Childhood Motor Development (3 cr.)
- HPER-K 541 Nature of Motor Skills (3 cr.)

### Research Courses for Thesis Students

- HPER-T 592 Statistical Techniques of Research in Health, Physical Education & Recreation (3 cr.) OR BIOS-G 652 Introduction to Biostatistics II (3 cr.)
- HPER-K 602 Thesis Option--Independent Research Hours (5 cr.)
- HPER-K 699 Independent Research (3 cr.)

- GRAD-N 802 Techniques of Effective Grant Writing (3 cr.)
- RAD-G 504 Introduction to Research Ethics (2-3 cr.)

Total: 11 credit hours

### Grades

Quality points are assigned for purposes of determining the cumulative grade point average as follows: A+ or A = 4 credit points; A- = 3.7; B+ = 3.3; B = 3.0; B- = 2.7; C+ = 2.3; C = 2.0; C- = 1.7; D+ = 1.3; D = 1.0; D- = 0.7; F = 0. No points are assigned for grades of Incomplete (I), Satisfactory (S), Pass (P) or Withdrawn (W).

All graduate students are expected to maintain an overall grade point average of 3.0 or higher. Students whose average falls below this level will be placed on probation. Grades below C- will not count toward degree requirements; however, all grades earned in courses taken for graduate credit will be included in the calculation of the grade point average.

### Transfer of credit

A maximum of 9 credit hours of graduate work may be transferred from other institutions for application to the master's degree program. The admission committee will determine the distribution and acceptance of those transfer hours at the time of admission. Once students have enrolled in the Master of Science degree program in the School of Physical Education and Tourism Management, they must receive advance approval from the advisor and department chair to take work at another institution for transfer to IUPUI. This limitation does not apply to work taken at any other Indiana University campus.

Transfer credit bearing grades of Pass (P) or Satisfactory (S) cannot be accepted unless there is official documentation for the transferring institution to verify that these grades are equivalent to at least a B on a graduate grading scale. No credit can be transferred for a course that cannot be officially documented as carrying graduate credit.

### Graduation

Students planning to graduate from the Master of Science program in December should apply for graduation by May 1st; May graduates by October 1st and August graduates by February 1st. The student should file an application for graduation with the School of Physical Education and Tourism Management Recorder, Physical Education/Natatorium building. Students are ultimately responsible for knowing, understanding and completing all degree requirements in a timely manner. IUPUI holds a single Commencement ceremony in May each year. To participate in Commencement activities, the student must have completed all degree requirements by the previous December or expect to complete them no later than August following the May Commencement exercises.

*Last updated January 2012*

### Student Learning Outcomes

Upon completion of the **Master of Science in Physical Education**, students will demonstrate the following abilities:

1. Knowledge and skills needed to conduct original research within the area of kinesiology and/or to enter a program to earn an advanced degree in kinesiology or related fields.
2. Communicate the knowledge of kinesiology across disciplines and translate it to the general public.
3. Think critically and creatively to evaluate literature in the field of kinesiology.
4. Apply ethics within the field of kinesiology.

Upon completion of the **Master of Science in Event Tourism**, students will know and be able to:

1. Develop, synthesize and execute principles of event tourism through research.
2. Conduct research in an ethical and responsible manner.
3. Demonstrate best practices in event tourism research.
4. Interpret and appraise event tourism sustainability critically and reflectively.
5. Examine and predict event tourism industry trends.
6. Communicate effectively with stakeholders, including tourism professionals and the general public.
7. Work productively with persons from diverse cultures and backgrounds.
8. Practice a sense of community and civic mindedness.

*Last updated January 2012*

## Military Science

[Department of Military Science](#)

1000 Waterway Boulevard  
Room 100A  
Indianapolis, IN 46202  
(317) 274-2691  
[www.iupui.edu/~armyrotc](http://www.iupui.edu/~armyrotc)

- Department Chair/Professor of Military Science: Lieutenant Colonel Thomas E. Rude
- Senior Military Instructor: Master Sergeant Patrick Murray
- Assistant Professor of Military Science: Captain Ryan Woolf
- Scholarship and Enrollment Officer: Captain Andrew Bokmeyer
- Military Instructors:
  - Master Sergeant (Ret.) Jerry Barker
  - Sergeant First Class Ryan Davis
- Recruiters:
  - Master Sergeant (Ret.) Richard Smith
  - Staff Sergeant Timothy Dauk
- Human Resources Assistant: Virgie Eubanks
- Military Property Custodian: Captain (Ret.) Scott King

### Advising:

1000 Waterway Boulevard, Room 100A; Telephone: (317) 274-2691; Fax: (317) 274-0069; E-Mail: [goarmy@iupui.edu](mailto:goarmy@iupui.edu); Website: [www.iupui.edu/~armyrotc/](http://www.iupui.edu/~armyrotc/)

## Admission

### Policy

The ROTC Basic Course (see “Curriculum, Basic Course” in this bulletin) is open to all IUPUI, IU-Kokomo, Butler University, Franklin College, Marian College, University of Indianapolis and Ivy Tech Community College of Indiana students without any prerequisites or allied requirements. Students who are not U.S. citizens must check with the Department of Military Science administrative office prior to course attendance to ensure that they have the proper permission from their home country embassy for military training.

The ROTC Advanced Course is open to all students who have completed the Basic Course or who qualify for advanced placement (see “Advanced Placement” in this bulletin). Entry requirements are specified below.

### Standards

Applicants for the Advanced Course must have completed the Basic Course (courses MILS-G 101, MILS-G 102, MILS-G 201 and MILS-G 202) or be eligible for advanced placement (see “Advanced Placement” in this bulletin) prior to acceptance. Applicants must also meet the following entrance requirements.

### Academic Performance

Applicants must have a minimum grade point average of 2.0 (C) throughout the first two years of college work.

### Medical Evaluation

Applicants must pass a Department of Defense Medical Examination Review Board medical exam, provided free of charge.

### Physical Fitness Test

Applicants must obtain a passing grade on the Army Physical Fitness Test (APFT) consisting of push-ups, sit-ups and a two-mile run.

### Age

Entrance into the commissioning program is predicated on students not having reached age 30 by June 30th of the year they receive their officer's commission. Scholarship recipients must be less than 31 years of age on December 31st of the calendar year of commissioning. Extensions of up to three years may be granted for veterans of active duty. Waivers may be granted beyond age 32 for certain students.

### Dependents

To be eligible, an individual must not have more than three dependents (e.g., a spouse and two children).

### Citizenship

Applicants for the Advanced Course must be U.S. citizens by birth or naturalization.

### Veterans

Prior service personnel entering the program must have a qualifying reenlistment code.

## Student Status

Advanced Course students must be full-time university students; that is, they must enroll for 12 hours of undergraduate credit or 9 hours of graduate credit each semester.

### Marginal Students

In accordance with Army regulations, students who do not meet the academic or physical fitness requirements of the Advanced Course may be dis-enrolled from the program.

### Personal History

All applicants must meet loyalty and integrity requirements established by the United States Congress for military officers.

### Interview

A professor of military science will personally interview all applicants and is the final authority on a candidate's eligibility for the program.

### Emphasis

Students entering the Advanced Course must matriculate in a curriculum that will lead to a four-year bachelor's degree or a two-year graduate degree. Any curriculum offered by IUPUI or other institution served by this department is acceptable.

## Advanced Placement (Army ROTC Two-Year Program)

Although Army ROTC is often considered a four-year course of instruction, a program is available to allow students to complete ROTC in just two years. Students must have two years of course work remaining to complete degree requirements upon entering the Advanced Placement program. Under the two-year program, students who attended a junior or community college, students at four-year institutions who have not taken ROTC during their first two years of undergraduate study, and students entering a two-year postgraduate course of study may enroll in the ROTC program.

In addition, students who have past military experience may participate in this program. Students who are awarded advanced placement may go directly into the ROTC Advanced Course. In order to qualify for Advanced Course placement, the applicant must fulfill one of the following requirements:

- Leader's Training Course
- Veterans
- Junior ROTC (JROTC)
- Simultaneous Membership Program (SMP)
- Cadet Professional Development Training
- Airborne School
- Cadet Troop Leader Training
- Financial Aid
- Compensation Outlook

## Leader's Training Course

This four-week camp is held at Fort Knox, Kentucky, each summer and is repeated several times between

June and early August. Successful completion of this camp allows direct entrance into the ROTC Advanced Course. Students' travel expenses are paid, and all food and lodging is provided. In addition, participating students earn approximately \$900. ROTC scholarships are offered to well-qualified students who complete the course and meet Advanced Course eligibility requirements. Training covers rappelling, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications, first aid, drills/parades/ceremonies, military courtesies/traditions, and water survival.

During this training, students learn fundamental things about the Army—weapons, combat tactics, drill and ceremonies. Students also learn basic things about themselves—their physical endurance, leadership capabilities, and ability to think and perform under pressure. Students finish the summer with other basics—discipline, pride and confidence—that will be important to them in all their future endeavors. Applications for Leader's Training Course are accepted each year from November through May.

## Veterans

Veterans of prior military service with any branch of the armed services are authorized for advanced placement if they meet program admission requirements.

## Junior ROTC (JROTC)

Students who have completed at least two years of Junior ROTC in high school may receive advanced placement of one year in the ROTC program, and students with three years of Junior ROTC may receive advanced placement of two years in the ROTC program if they meet Advanced Course admission requirements.

## Simultaneous Membership Program (SMP)

This program is for those who desire to serve in an Army National Guard or Army Reserve unit while earning a commission through ROTC. Scholarship students are not eligible for the SMP unless they are receiving a Guaranteed Reserve Forces Duty Scholarship. If a guard or reserve member accepts an ROTC scholarship, he or she must be released and discharged from the guard or reserve unit.

As an officer trainee in the SMP, students are exempt from the ROTC Basic Course and may enroll directly in the Army ROTC Advanced Course at host colleges or at nearby institutions that permit cross-enrollment. There are also opportunities for tuition assistance with the SMP units.

SMP students draw pay from two sources. First, as advanced ROTC students, they receive \$450-\$500 a month for each month of the major academic term and approximately \$800 for attending the National Advance Leadership Camp. Meanwhile, as officer trainees in an Army National Guard or Army Reserve unit, students attend monthly drills and annual training and receive pay equivalent to a sergeant's (E-5) or the highest grade attained if they have prior military rank. In addition, they can receive Federal Tuition Assistance and GI Bill benefits, if they qualify.

The ROTC stipend and Army National Guard or Army Reserve pay, including annual training, provides students with more than \$7,000 per year, depending on the nature of their SMP participation.

## Cadet Professional Development Training

One of the major advantages of the ROTC program is the opportunity for cadets to attend actual Army training courses during the summer vacation months. Attendance at one or more of these courses has multiple benefits for the ROTC student. Cadets are exposed to a unique learning experience. They learn firsthand how the Army trains. They live in an actual Army environment and gain an appreciation for the people with whom they will be working during their period of service. Students are selected for this training on a merit basis (leadership, academic and physical performance) from volunteers wishing to take advantage of this opportunity. The following list describes the two most popular types of off campus training programs. Cadets are not paid to attend these training courses; however, travel, lodging and meals are provided.

## Airborne School

This course is taught at Fort Benning, Georgia, and lasts three weeks. Students completing this course are fully qualified paratroopers. The first week (ground week) consists of rigorous physical training and instruction designed to prepare the student to make a parachute jump and land safely. The second week (tower week) perfects individual skills and stresses team effort. Jump skills are taught through the use of the swing landing trainer, the suspended harness, and the 250-foot free-fall tower. The final week (jump week) consists of five parachute jumps from U.S. military aircraft.

## Cadet Troop Leader Training

Cadet Troop Leader Training gives cadets who have completed Advanced Camp firsthand experience in the duties of an Army officer by providing three weeks of duty in an active Army unit or initial entry training unit (basic training), where cadets serve as platoon leaders.

If a cadet is assigned to a unit on parachute status and the cadet is already airborne qualified, the cadet may participate in unit parachute jumps with approval from the commanding officer.

## Financial Aid

### Army ROTC Scholarships

Army ROTC scholarships are offered for two, three and four years. The two- and three-year scholarships are awarded competitively to students who are enrolled in college. Recipients of these scholarships may be cross-enrolled at Butler University, Marian College, Franklin College, IU-Kokomo or the University of Indianapolis.

Applications for two- and three-year scholarships are available from the professor of military science and must be submitted no later than March 1st for the following fall semester. Recipients will be notified prior to the end of the spring semester.

The host ROTC unit awards scholarships based upon quotas allocated by Cadet Command. The three-year and

four-year Advanced Designee scholarships are awarded to U.S. citizens who will be entering college as freshmen. Scholarship winners must enroll at the institution (or partnership school) that awarded them the scholarship. For more information on scholarship availability and selection deadlines, contact the Department of Military Science.

Three-year Advanced Designee scholarships are awarded in a manner similar to the four-year scholarships, except that the benefits commence with the student's sophomore year if the student continues to meet eligibility requirements.

The value of the tuition/fee portion of the scholarship depends on the amount charged by the institution attended. Students may receive full compensation for tuition and fees; however, students may also receive lesser scholarships. In addition to tuition and fees, scholarship recipients receive \$1200 per year for books, and a subsistence allowance of \$300–\$500 per month, depending on academic level, while school is in session.

### Fee Scholarship

All freshmen and sophomores taking the Basic Course do not have to pay tuition for MILS-G 101, MILS-G 102, MILS-G 201 or MILS-G 202, since these courses are eligible for university fee scholarship. Note: The student must pay for MILS-G 120, MILS-G 121, MILS-G 301, MILS-G 302, MILS-G 310, MILS-G 401, MILS-G 402, HPER-E 130 and HPER-E 230 to receive academic credit.

### Books/Supplies

All books, supplies and materials needed in the Basic Course are supplied to the student by the Department of Military Science free of charge.

### Subsistence Allowance

Each Advanced Course student and three- and four-year scholarship recipients receive a tax-free allowance of at least \$350 per month up to 10 months per year. Additionally, students are paid approximately \$900 for each summer training camp they attend.

### Student Employment

The department manages a limited amount of student employment. Students may apply for part-time employment. Student employees are paid on an hourly basis.

## Compensation Outlook

The Department of Military Science is unique in that it publishes the salaries of its active-duty graduates. Military compensation (salary) includes pay and non-taxable allowances for subsistence and housing. Although the housing allowance varies by location, the average annual military salary earned by a new second lieutenant graduate in 2010 was \$48,000. Salaries are adjusted for cost of living each year and also increase with longevity and promotions. Three years later, the officer, then a captain, would earn an average annual military salary of \$74,000.

## Background

Since 1918, the Reserve Officers' Training Corps has produced thousands of commissioned officers for the United States Army. While other commissioning sources exist, Army ROTC produces officers with diverse educational backgrounds and contemporary ideas. This is accomplished because the primary focus of an Army ROTC Cadet is being a student first in whatever major field of study the student desires. This collaboration with the university, along with military science classes during the school year and some military training on weekends and during summer break, is the method of producing leaders.

Many student-cadets have interest in, but no experience with, the military. ROTC is a great test-bed for that interest and can lead to a guaranteed job in a profession that the American people respect and one that may provide a lifetime of satisfaction. Monetary incentives (e.g., tuition, scholarships and stipends) that make it easier to get through college are available. Intangible incentives (including camaraderie, adventure and others too countless to name) improve quality of life and performance as a whole.

Because of the nature of the cadets' future profession, ROTC has been called the best leadership course in America. ROTC enhances a student's education by providing unique leadership and management experience. It helps develop self-discipline, physical stamina, and poise. Students develop qualities that lead to success in any career. U.S. Secretary of State Colin Powell credits ROTC for making him much of what he is today.

ROTC at IUPUI has grown with the campus. We have commissioned 250 officers since 1980, and they have served in Indiana, throughout the United States, and around the world.

### What is a Commissioned Officer?

A graduate of any of this country's 270 ROTC programs is commissioned a second lieutenant in the U.S. Army. This commission can be in the Active Army or the Reserve Component (National Guard and Army Reserves). An officer plans the work of the organization, assigns tasks to subordinates, and ensures that the work is accomplished to the highest standard. Even the most junior officer routinely has 30 or more personnel working directly under his or her control.

Officers lead the army. They do so by developing missions, training their subordinates, influencing people, and solving problems. An officer must have integrity and the warrior spirit.

A commission as a second lieutenant may lead to a short stay in the Army and then a smooth transition to a civilian life. If this is the case, junior military officers leaving the service are highly sought after by Fortune 500 firms for their leadership experience. On the other hand, a junior military officer may fall in love with the lifestyle and benefits of being an officer and decide to make a rewarding career out of service to the United States.

### Faculty

Active-duty or retired Army personnel are assigned to the Department of Military Science with the consent of the

ROTC Faculty Advisory Committee at Indiana University Purdue University Indianapolis (IUPUI) and the dean of faculty as confirmed by the Trustees of Indiana University. Such personnel spend an average of three years as instructors in the department. Each faculty member has a blend of practical military experience and solid educational background.

### Administration

The faculty are supported by a full-time staff that has clerical, administrative and logistical responsibilities. The staff includes the military property custodian (a university employee) and the human resources assistant (a Department of the Army civilian).

## Curriculum

- Basic Course (MILS-G 101, MILS-G 102, MILS-G 120, MILS-G 121, MILS-G 201 and MILS-G 202)
- Learning Community Course
- Advanced Course (MILS-G 301, MILS-G 302, MILS-G 401 and MILS-G 402)
- Suggested Schedule of Courses
- Academic Policy
- Professional Military Education Requirements

### Basic Course (MILS-G 101, MILS-G 102, MILS-G 120, MILS-G 121, MILS-G 201 and MILS-G 202)

The Basic Course is usually taken in the freshman and sophomore years. All necessary textbooks and materials are furnished without cost to the student, and all tuition and fees are paid for through university fee remission. Signing up for the basic course is an excellent way to explore officership for those with an interest. No prior military experience is required, and no obligation for military service is incurred for participation in the basic course. Students may withdraw from the basic course at any time through the end of the second year.

Individual courses cover the areas of the Army profession, leadership, values and ethics, personal development, physical well-being, military history, drill and ceremony, customs and courtesies, squad tactics, map reading, first aid, and basic rifle marksmanship. Various social and professional activities are available in conjunction with the military science program.

Course credit is determined as follows: 100-level courses are one credit hour, and 200-level courses are two credit hours, for a total of six credit hours in the Basic Course. In essence, this course is intended to introduce the student to the Army and ROTC. Theoretical concepts are covered in the classroom, and practical military skills are learned in a field-training environment.

Students are encouraged to attend optional physical fitness training (Monday, Wednesday, Friday; 6:45 to 7:45 a.m.), field training exercises and periodic leadership labs.

### Learning Community Course

The first year military science class is also offered as a Learning Community Course which fulfills the Freshman requirement. This course is also free for IUPUI students and is administered in the same manner as the university's other Learning Communities Courses.

### Advanced Course (MILS-G 301, MILS-G 302, MILS-G 401 and MILS-G 402)

After completing the Basic Course or its equivalent (see "Advanced Placement" in this bulletin) and 54 credit hours that count towards the major with a grade point average of at least 2.0, students who have demonstrated officer potential and who meet Army physical standards are eligible to enroll in the Advanced Course. The Advanced Course is normally taken in the final two years of college. Instruction includes further leadership development, organization and management, tactics and administration.

A paid 32-day Leader Development and Assessment Course (LDAC) is held during the summer between the junior and senior years at one of the Army's premier training facilities at Fort Lewis (near Seattle, Washington). This camp permits cadets to put into practice the principles and theories they have learned in the classroom. It also exposes them to Army life in a tactical or field environment.

All cadets in the Advanced Course receive uniforms, compensation for attending LDAC, and an allowance between \$4,000 and \$5,000 each school year.

Before entering the Advanced Course, a student must sign a contract that certifies an understanding of the service obligation. This obligation may be fulfilled in various ways, depending on the individual's personal preference and the needs of the Army. Scholarship graduates serve four years on active duty (if selected by Cadet Command) and four in the Army Guard or Army Reserve, unless they receive a Guaranteed Reserve Forces Duty scholarship. If that scholarship is received, the graduate serves entirely with the Guard or Reserve. Non-scholarship graduates may serve three years on active duty (if selected by Cadet Command) and the remaining five years in the Guard or Reserve. If the non-scholarship graduate selects reserve force duty, the eight-year obligation is spent in the Guard or Reserve. There, officers assume duties for six years with a troop unit, and the last two years of the eight-year obligation require no participation (readiness status only).

The Advanced Course comprises four 3 credit hour courses (totaling 12 credit hours) and LDAC. The 300-level courses stress the military skills that will be needed to complete LDAC successfully. The 400-level courses concentrate on those skills needed by a cadet as he/she makes the transition to becoming a commissioned officer. In addition, students lead a battalion in which they are given various command and staff positions based on an order of merit established by their prior performance in the program. Advanced Course students are required to attend field training exercises and periodic leadership labs, and meet minimum physical fitness standards.

### Professional Military Education Requirements

This component of the ROTC program is designed to provide the cadet with the type of academic foundation necessary to support continued intellectual growth and is a pre-commissioning requirement. As an integral part of their undergraduate education, prospective officers are required to complete the following:

1. Baccalaureate degree;
2. Advanced Course (MILS-G 301, MILS-G 302, MILS-G 401, MILS-G 402 and LDAC);

3. Military history course, including a “staff ride” (a systemic preliminary study and visit to a historic battlefield); and
4. Enhanced Skills Training Program (a program to enhance the communication, analytical, and critical thinking skills of future leaders).

## Suggested Schedule of Courses

The following matrix shows the progression through the military science curriculum. It is a suggested approach; ROTC intends to be as flexible as possible in allowing a student to complete course requirements.

### Freshman Year

#### 1st Semester

- MILS-G 101 Leadership and Personal Development

#### 2nd Semester

- MILS-G 102 Foundations in Leadership

### Sophomore Year

#### 1st Semester

- MILS-G 201 Innovative Tactical Leadership
- Enhanced Skills Training Program

#### 2nd Semester

- MILS-G 202 Leadership in Changing Environments

### Junior Year

#### 1st Semester

- MILS-G 301 Adaptive Team Leadership
- Military History Course

#### 2nd Semester

- MILS-G 302 Leadership Under Fire

### Summer

- Leadership Development and Assessment Course
- Selected students attend Cadet Troop Leader Training, Airborne School or Air Assault School

### Senior Year

#### 1st Semester

- MILS-G 401 Developing Adaptive Leaders
- Staff Ride

#### 2nd Semester

- MILS-G 402 Leadership in a Complex World

### May

- Commissioned as a Second Lieutenant in the U.S. Army

## Academic Policy

No student with a history of marginal academic performance (below a 2.0 cumulative GPA) will be admitted to the ROTC Advanced Course.

Students who have been admitted to the Advanced Course but fail to maintain good academic standing will be disenrolled from ROTC.

No student will be commissioned as an officer in the U.S. Army if not in good academic standing at the time of

commissioning, even if the student has finished all military science academic requirements. Students must receive the bachelor's degree to be commissioned.

The chairperson of the military science department admits all Advanced Course students to the program, continuously monitors their progress, disenrolls marginal performers and certifies each candidate for a commission.

## Partnership Schools

The Department of Military Science at IUPUI offers participation in Army ROTC at six other Indianapolis-area institutions of higher education. Students on these six campuses may cross-enroll in the IUPUI ROTC program and earn an Army commission. Partnership students are eligible for the same benefits as IUPUI students and must meet the same admission requirements. The partnership institutions are:

### **Butler University**

Students register and pay fees for ROTC courses just as they would for any Butler University course. Students must commute to the IUPUI campus for ROTC classes not offered at Butler University. Students may fulfill Butler University's physical education requirement through ROTC. Military science grades are applied to the student's overall GPA.

### **Indiana University Kokomo**

Students register and pay fees for ROTC courses just as they would for any IUK course. The basic course and PT is taught on IUK's campus, and advanced course cadets must commute to IUPUI for class. All students must travel to IUPUI (at the department's expense) for Leadership Labs.

### **Franklin College**

Students enroll in military science courses through the Consortium for Urban Education, Indianapolis, and the Franklin College registrar's office. Students must commute to the IUPUI campus for all ROTC classes.

### **Marian University**

Students enroll in military science courses through the Consortium for Urban Education, Indianapolis, and the Marian College registrar's office. Students must commute to the IUPUI campus for ROTC classes not offered at Marian University.

### **University of Indianapolis**

Students enroll in military science courses through the Consortium for Urban Education, Indianapolis, and the University of Indianapolis registrar's office. Students must commute to the IUPUI campus for ROTC classes not offered at University of Indianapolis.

### **Ivy Tech Community College of Indiana**

Students register and pay fees for ROTC courses just as they would for any Ivy Tech CCI course. Students must commute to the IUPUI campus for ROTC classes not offered at Ivy Tech. Students may fulfill an elective requirement through ROTC. Military science grades are applied to the student's overall GPA.



## Support Services

### Library

The Department of Military Science maintains its own library facility with books, journals and training aids particular to the curriculum.

### Awards

Students who merit special recognition receive it through the military science department's awards program.

### Functional Awards

Made on merit, these awards provide the student with additional educational experience. For example, the Marshall Foundation Award provides for a student's attendance at a three-day seminar in the Washington, D.C. area, where national security concerns are discussed by the highest-ranking members of the Army and civilian members of the Department of the Army.

### Recognition Awards

The Army and many civilian organizations, such as the American Legion, Veterans of Foreign Wars, and Daughters of the American Revolution, provide awards to deserving students, recognizing accomplishments in academic and leadership efforts.

### University Awards

IUPUI, in honor of Dr. and Mrs. Otis R. Bowen, presents a trophy every year to an outstanding ROTC student.

### Social Activities

The Department of Military Science provides ample opportunity for its students and faculty to meet in a social environment as well as in the classroom. Social activities include a picnic each semester and cadet-sponsored parties. Awards and commissioning ceremonies are followed by social hours. The primary social event of the year is a formal military ball.

### Intramural Program

It is the policy of the Department of Military Science to enter teams or individuals, as appropriate, in university intramurals when desired by the cadets. In essence, the department acts as a vehicle for those students wishing to participate in athletics. Additionally, the "Ranger Challenge" program tests cadets in military skills against other ROTC programs around the country.

### Career Counseling

The Department of Military Science maintains a vigorous counseling program. Student progress and performance level are constantly monitored. Students are periodically counseled on their status in the program, and those in academic trouble are offered assistance. The purpose of this program is to ensure that students are commissioned in the proper career field upon successful completion of the ROTC program.

## IUPUI School of Physical Education and Tourism

## Management Student Organizations and Services

### Physical Education Student Organization (PESO)

PESO exists to improve the quality of student life. Its activities include assimilating new students into the School of Physical Education and Tourism Management program, representing the school in the shaping of university-wide policies and activities, helping students attain educational objectives and promoting participation in student activities. The general membership of the organization is composed of full- and part-time majors in the Physical Education and the Tourism, Conventions and Event Management degree programs.

### Indiana Association for Health, Physical Education, Recreation and Dance and the American Alliance of Health, Physical Education, Recreation and Dance

Students in the Department of Physical Education are encouraged to affiliate with this professional organization. Annual conferences and workshops, a professional journal and a newsletter are among the membership benefits.

### IUPUI Moving Company

The IUPUI Moving Company is a performing dance company composed of students enrolled at IUPUI. Prospective members audition during the first week of the fall semester, when members and apprentices are taken into the company. Approximately 4–6 hours per week are spent in rehearsals, workshops, lecture-demonstrations, or performances. Members should be enrolled concurrently in a dance technique class while performing with the company. The repertoire consists of ballet, modern, jazz, and ethnic dance forms. The IUPUI Moving Company performs on campus, at professional conferences, and for elementary, middle school, and high school audiences.

### Phi Epsilon Kappa

This professional fraternity was organized in 1913 at the Indianapolis campus of the School of Physical Education and Tourism Management's predecessor, the Normal College of the American Gymnastic Union Campus. It is dedicated to advancing interest in health, physical education, recreation and safety education. It seeks to promote sound community relationships that support physical education programs. Eligibility criteria include a minimum cumulative GPA of 2.0 earned at IUPUI in addition to participation in professional activities.

### Professional Convention Management Association (PCMA) Student Chapter

The Tourism, Conventions and Event Management (TCEM) department sponsors this student organization to expand students' knowledge about the meetings industry. Site visits and speakers are educational components. Social activities and fundraisers are also planned.

## Tourism and Hospitality Society

The Tourism, Conventions and Event Management (TCEM) department sponsors this student organization to expand students' knowledge about the tourism industry. Site visits and speakers are educational components. Social activities and fundraisers are also planned.

## Policies and Procedures

### Undergraduate

#### Advising and Special Options

**Advising** Each student in the School of Physical Education and Tourism Management is assigned a faculty counselor who advises the student in program planning and assists with any academic questions or problems. All students are expected to obtain academic counseling each semester prior to enrollment.

**Forgiveness Policy** Policy provides a fresh start to former IU students accorded to students transferring from other universities. The policy applies only to former IU students, who have worked on a first undergraduate degree, but who have not attended any college for a minimum of three years. Students must invoke this policy upon application for admission to the School of Physical Education and Tourism Management or submit a notification of intent to petition for academic forgiveness if not yet accepted by a school. Forgiveness policy applications are located in the School of Physical Education and Tourism Management.

If the forgiveness petition is accepted, all courses previously taken will remain on the transcript, but only courses with grades of A+, A, A-, B+, B, B-, C+, C, P and S may be counted toward degree requirements, though these grades will not count in the student's GPA. In effect, the student will start with a cumulative GPA of 0.0, after which all the rules of academic probation and dismissal will apply. Forgiveness may be invoked only once and it does not preclude a student from using other grade replacement options available for course work taken after forgiveness is granted. Forgiveness is available only for courses taken at Indiana University. Visit the IUPUI Registrar's Office website to see the entire policy.

**Independent Study** Work may be accomplished in absence for credit through the School of Continuing Studies. A student must have satisfied the entrance requirements of the School of Physical Education and Tourism Management, however, before registering for such work if it is to be applied toward a degree. Special permission from the dean is required. Students may apply up to 18 credit hours of correspondence work from the School of Continuing Studies toward a degree in the School of Physical Education and Tourism Management.

**Pass/Fail Option** Students may elect to take one course each semester with a grade of P (Pass) or F (Fail), with a maximum of two such courses each school year, including summer sessions. The student must elect to exercise this option early in the semester or summer session, per the timeline contained in the Registration Guide and Academic Information. Courses that satisfy school or degree program requirements may not be taken under this option.

**Excessive Withdrawal Policy** After eight withdrawals, a mandatory meeting among the student, the student's advisor and department chair will be held to identify the reason(s) for the withdrawals, discuss alternatives for course scheduling and review the student's plan of study to determine if satisfactory progress is being made toward the degree objective. After 10 withdrawals, a mandatory meeting with the dean of the school will occur. A review of the previous meeting and reason(s) for subsequent withdrawals will determine if the student will be allowed to continue in the School of Physical Education and Tourism Management.

**Special Credit Opportunities** See department chair for procedures on special credit.

**Academic Expectations** Student work in general education and major courses will include content and learning activities supporting the principles of undergraduate learning as defined by the faculty of the School of Physical Education and Tourism Management. These principles relate to students' competencies in the following five areas: core skills (reading, writing, speaking, quantitative analysis and use of information technology); critical thinking; intellectual depth, breadth, and adaptiveness; understanding society and culture; and integration and application of knowledge. These general education principles are defined on course syllabi. Faculty expect students to use software applications to prepare assignments, to use electronic mail to enhance communication and/or submit assignments, and to develop competencies with various campus technology resources (e.g., OneStart, Oncourse, internet browsers). Written work is to be of high quality (focused, organized, and with an introduction, purpose, sense of audience, thesis and conclusion; appropriate sentence structure; variety; and correct spelling, grammar, and punctuation). Writing should reveal the student's ability to develop ideas with balanced and specific arguments. Papers should follow APA style unless another style is specified and should give credit to original sources when ideas or materials of others are used.

**Academic Integrity** Students are responsible for familiarizing themselves with the school's regulations concerning cheating and plagiarism, which appear as follows in the *IUPUI Faculty Handbook VI-5*:

**Cheating** is dishonesty of any kind with respect to examinations, course assignments, alteration of records or illegal possession of examinations. It is the responsibility of the student not only to abstain from cheating but, in addition, to avoid the appearance of cheating and to guard against making it possible for others to cheat. Any student who helps another student to cheat is as guilty of cheating as the student who was assisted. Students should also do everything possible to induce respect for the examining process and honesty in the performance of assigned tasks in or out of class.

**Plagiarism** is the claiming of the work of someone else as one's own. Honesty requires that any ideas or materials taken from another source for either written or oral use must be fully acknowledged. The language or ideas taken from another may range from isolated formulas, sentences, or paragraphs to entire articles copied from books, periodicals, speeches, databases, or the writings of other students. The offering of materials assembled or

collected by others in the form of projects or collections without acknowledgement also is considered plagiarism. Any student who fails to give credit for ideas or materials taken from another source is guilty of plagiarism.

A faculty member who has evidence that a student is guilty of cheating or plagiarism shall initiate the process of determining the student's guilt or innocence. No penalty shall be imposed until the student has been informed of the charge and of the evidence upon which it is based and has been given an opportunity to present a defense. If the faculty member finds the student guilty, the faculty member assesses a penalty within the course and promptly reports the case, in writing, to the dean of the school or comparable head of the academic unit. The report should include the names of any other students who may be involved in the incident and recommendations for further action. The dean, in consultation with the faculty member if the latter so desires, will initiate any further disciplinary proceedings and inform the faculty member of any action taken. In every case, a record of the offenses remains on file in the dean's office.

For further regulations, students should refer to *IUPUI's Code of Student Rights, Responsibilities, and Conduct* by the Board of Trustees of Indiana University. Students may obtain a copy of the Code from the dean's office or view the text on the IUPUI website at [www.iupui.edu](http://www.iupui.edu).

### **Academic Load**

**Semester Academic Load** A typical academic load is 12–18 credit hours, with an average load being approximately 15 credit hours. A typical load in a summer session is 6 credit hours. Students expecting to carry more than 18 credit hours per semester or 7 credit hours per summer session must have permission of the dean of the School of Physical Education and Tourism Management and should have a minimum cumulative grade point average (GPA) of 3.0 (B), or have earned a B (3.0) average in their last full semester.

### **Academic Standing, Probation, Dismissal and Reinstatement**

**Academic Standing** Students who consistently maintain a GPA of 2.2 or higher in both their cumulative and semester records are considered to be in good standing.

**Academic Probation** Students are on academic probation when either their semester GPA or their cumulative GPA is below 2.2. Each student on academic probation will be so advised by a letter from the dean of the School of Physical Education and Tourism Management. The student will be informed of all conditions and restrictions required for reestablishing good academic standing.

**Dismissal** Students are subject to dismissal when they have failed to attain a minimum of a 2.2 GPA average in any two consecutive semesters or when the cumulative GPA of the student who is on probation falls or remains below a 2.2 GPA. Each student who is dismissed will be so advised by a letter from the Office of the Dean of the School of Physical Education and Tourism Management.

**Reinstatement** A dismissed student who wishes to be reinstated must complete an Application for Reinstatement located on the School of Physical Education and

Tourism Management website. This application requires explanation of any extenuating circumstances that may have hindered academic performance and a brief outline of future schedules and study plans. Each application will be considered on an individual basis and will receive more favorable consideration if the student has sought advice about academic progress on previous occasions and if academic records are close to the standards required for retaining the student. In order to allow time for each case to be reviewed on its own merits, petitions for re-admission must be filed at least two weeks before the first day of classes. Application for Reinstatement forms should be submitted to the School of Physical Education and Tourism Management Recorder.

The School of Physical Education and Tourism Management typically does not consider petitions for immediate reinstatement. Dismissed students who believe that circumstances warrant consideration for immediate reinstatement must meet with the dean, who will determine whether or not an application for immediate reinstatement is warranted.

**One Dismissal** Students who have been dismissed once for academic reasons may appeal for reinstatement subject to the conditions stated above.

**Two Dismissals** Students who have been dismissed twice for academic reasons may not appeal for reinstatement for any enrollment period during the next calendar year.

Students who are reinstated by the school will have to meet prescribed standards of performance for the semester for which they are reinstated. Failure to meet these standards will result in dismissal.

**Student Grievance Procedures** Students who feel they have been treated in an unfair or unethical manner by a member of the School of Physical Education and Tourism Management faculty are encouraged to resolve their differences directly with the faculty member. When informal solutions do not appear possible, the following procedures should be observed.

**Appeal for Grade Change** A student may request a change of grade in a School of Physical Education and Tourism Management course by filing a petition with the dean of the school. The petition, along with supporting evidence that the grade was improper, must be submitted to the Dean's Office (PE 251) no later than one calendar year following the final date of the term in which the course was taken.

**Complaints of Unethical Treatment** All academic personnel (faculty, part-time instructors and advisors) are expected to conform to the Code of Student Rights, Responsibilities, and Conduct published in the Indiana University Academic Handbook. Students who feel they have been treated unfairly by a faculty member may lodge a complaint by following the procedures outlined in the Code, a copy of which may be obtained from the Dean's Office, PE 251.

**Student Advocacy** The Office of Student Advocacy provides impartial, objective and confidential assistance to students regarding problems or disputes that appear unresolvable through existing procedures or systems. By considering problems in an unbiased way, the student

advocate strives to achieve a fair resolution of disputes. As an advocate for just and fair treatment, the office works to protect the rights of all parties involved. The student advocate investigates claims of unfair treatment or erroneous procedures and serves as an information resource, advisor and intermediary.

For many problems, a procedure is outlined by university rules or policies. Where practical, students should observe the policies and regulations of their school. For more information, contact the Student Advocacy Office, Campus Center 350, (317) 278-7594, or the Office of the Dean of Students, Campus Center 350, (317) 274-4431.

### **Graduation**

**Residency Requirements for Graduation** Students must complete at least 30 hours of the last 60 credit hours required for a specific degree program while in residence at the School of Physical Education and Tourism Management at IUPUI. The 30 credit hours should include either one 12 credit hour regular semester or two 6 credit hour summer sessions.

**Degree Application** A candidate for graduation must file a formal graduation application for the degree with the School of Physical Education and Tourism Management.

Applications must be filed by the following deadlines: December graduates file the application by May 1st, May graduates file by October 1st, and August graduates file by February 1st. Candidates for graduation will be notified before the start of their graduation semester/summer session regarding their graduation status.

**Graduation with Honors** Indiana University recognizes high cumulative grade point averages by awarding degrees with the designations "Distinction," "High Distinction," and "Highest Distinction." Purdue programs recognize the top 10 percent of graduates with the designations "Distinction" and "Highest Distinction." The designated individuals are presented with honor cords to wear at Commencement exercises for IUPUI.

### **Other Physical Education Department Information**

**Uniforms** Physical education majors are encouraged to wear uniform shirts and shorts for several professional preparation activity classes. Instructors indicate on the first day of class if uniforms will be required. White polo shirts and long navy pants are the recommended attire for physical education majors participating in professional field experiences off campus.

Swimming classes require a one-piece bathing suit. Warm-ups or street clothes are appropriate attire for the office area on the bridge level of the Physical Education/Natatorium Building.

**Camp Brosius** In 1921, the Normal College (presently known as the IUPUI School of Physical Education and Tourism Management) established Camp Brosius at Elkhart Lake, Wisconsin, as a training camp for its physical education majors. Currently, the Indiana University School of Physical Education and Tourism Management operates the camp as both a College Camp (for academic credit) and Family Camp (for family vacations). The Department of Physical Education holds leadership, team building, critical thinking and personal skills development classes at Camp Brosius as a part

of the physical education major's required curriculum.

The physical education major (once admitted to the Department of Physical Education) is expected to attend camp early in their academic career with three sessions now being held every summer for this purpose. Two sessions are held in mid-May and one session in mid-August. Orientation to Camp is held on the IUPUI campus the week prior to going to Camp Brosius. Students in the Department of Physical Education receive 3 credit hours towards their degree for the Camp Brosius experience.

## **Faculty**

### **Administrative Officers**

- James M. Gladden, Ph.D., Dean of the School of Physical Education and Tourism Management
- Rafael E. Bahamonde, Ph.D., Chairperson of the Department of Physical Education
- Sotiris Hji-Avgoustis, Ph.D., Chairperson of the Department of Tourism, Conventions and Event Management
- Thomas Rude, M.A., Chairperson of the Department of Military Science

### **Department of Physical Education Faculty**

- Angermeier, Lisa, Ph.D. (Indiana University, 2000), Clinical Assistant Professor of Physical Education
- Bahamonde, Rafael E., Ph.D. (Indiana University, 1994), Professor of Physical Education
- Barnett, Sandra, M.S. (Indiana University, 1995), Lecturer in Physical Education
- Barton, Nancy, M.S. (Indiana University, 1986), Lecturer in Physical Education
- Bradley, Jay A., M.Ed. (University of Cincinnati, 1979), Clinical Assistant Professor of Physical Education; Coordinator of Internship Programs
- Cappaert, Thomas A., Ph.D. (University of Toledo, 2000), Visiting Lecturer in Physical Education
- Culp, Brian, Ed.D. (University of Georgia, 2005), Assistant Professor of Physical Education
- Doecke, Johannah, Ph.D. (Ohio State University, 1984), Lecturer in Physical Education; IUPUI Men's and Women's Diving Coach
- Eagleman, Andrea N., Ph.D. (Indiana University, 2008), Assistant Professor of Physical Education
- Fallowfield, Stephen M., M.S. (Indiana University, 2005), Visiting Lecturer in Physical Education
- Kaleth, Anthony, Ph.D. (Virginia Polytechnic Institute and State University, 2002), Associate Professor of Physical Education
- Keith, NiCole, Ph.D. (University of Connecticut, 1999), Associate Professor of Physical Education
- Lee, Soonhwan, D.S.M. (United States Sports Academy, 2002), Assistant Professor of Physical Education
- Mikesky, Alan E., Ph.D. (University of Texas Health Science Center Dallas, 1987), Professor of Physical Education, School of Physical Education and Tourism Management; Adjunct Professor of Anatomy and Cell Biology, School of Medicine.
- Mullins, Dena, M.A. (Ball State University, 1990), Lecturer in Physical Education

- Riley, Zachary A., Ph.D. (University of Colorado, 2008), Assistant Professor of Physical Education
- Stanton-Nichols, Kathleen A., Ph.D. (University of Virginia, 1995), Associate Professor of Physical Education
- Streepey, Jefferson, Ph.D. (University of Michigan, 2003), Assistant Professor of Physical Education
- Swinford, Rachel R., M.S. (Indiana University, 2007), Lecturer in Physical Education
- Urtel, Mark G., Ed.D. (Indiana University, 2004), Associate Professor of Physical Education

## Department of Tourism, Conventions and Event Management Faculty

- Alvarez, Susan L., M.S. (Indiana University, 2005), Lecturer in Tourism, Conventions and Event Management
- Benko, Susan T., M.B.A. (Marymount University, 1983), Trustees Lecturer in Tourism, Conventions and Event Management
- Bennett, James D., M.S. (Indiana University, 1996), Senior Lecturer in Tourism, Conventions and Event Management
- Brothers, Linda R., Ph.D. (Purdue University, 1984), Associate Professor of Tourism, Conventions and Event Management
- Cecil, Amanda K., Ph.D. (Indiana University, 2005), Assistant Professor of Tourism, Conventions and Event Management
- Fu, Yao-Yi, Ph.D. (Pennsylvania State University, 2003), Associate Professor of Tourism, Conventions and Event Management
- Heo, Jinmoo, Ph.D. (Indiana University, 2007), Assistant Professor of Tourism, Conventions and Event Management
- Hji-Avgoustis, Sotiris, Ph.D. (Indiana State University, 1996), Chair of the Department of Tourism, Conventions and Event Management; Professor of Tourism, Conventions and Event Management
- Jones, Elizabeth Ann, P.E.D. (Indiana University, 1983), Associate Professor of Tourism, Conventions and Event Management
- King, Carina, Ph.D. (Indiana University, 2007), Assistant Professor of Tourism, Conventions and Event Management
- Krohn, Brian D., Ph.D. (Clemson University, 2008), Assistant Professor of Tourism, Conventions and Event Management
- Wang, Suosheng, Ph.D. (Oklahoma State University, 2003), Associate Professor of Tourism, Conventions and Event Management

## Courses

### Department of Tourism, Conventions and Event Management Courses

The courses below represent the total offerings of the Department of Tourism, Conventions and Event Management. 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 prerequisites. The abbreviation C refers to corequisite(s).

### **TCEM 100 Introduction to Tourism Studies (3 cr.)**

Travel, trends, travel-modes, and economic impact on destination area. Emphasis on local, regional, and national tourism.

### **TCEM 110 College Life Orientation (1 cr.)**

To introduce new TCEM majors to the department, school, and university to ensure a successful beginning to their academic careers.

### **TCEM 112 Tourism and Hospitality Management Principles (3 cr.)**

The principles of planning, organizing, directing and controlling as applied to the hospitality service industry. Topics relating to motivation and leadership will be stressed. Issues of organizational change, organizational effectiveness and the nature of managerial work will be addressed.

### **TCEM 171 Introduction to Convention/Meeting Management (3 cr.)**

An overview of the conventions, expositions and meetings industry. Focus will be on the operational aspects of various industry segments and the intra-industry interaction of each.

### **TCEM 172 The Development and Management of Attractions (3 cr.)**

An examination of the process of developing visitor attractions and a discussion of the main issues involved in their management.

### **TCEM 181 Lodging Industry Operations (3 cr.)**

Concepts of organization, communication, ethics and policy formulation in the front office. Introducing the basic techniques and trends in systems and equipment available to meet the needs of the management and the guest.

### **TCEM 191 Sanitation and Health in Food Service, Lodging and Tourism (3 cr.)**

The application of sanitary and public health engineering principles to food service and lodging operations.

### **TCEM 210 Special Event Management (3 cr.)**

P: TCEM 171. Course topics include planning for social events such as themed parties, weddings, balls, fundraiser recognition and entertainment events.

### **TCEM 218 Wines of the World (3 cr.)**

P: 21 years of age. An examination of wines produced in other countries, identifying the characteristics of the growing regions, types of wines produced, economic considerations of purchasing imported wines and marketing these wines to increase beverage sales.

### **TCEM 219 Management of Sports Events (3 cr.)**

Amateur or professional sport event planning will include discussion of site selection, logistics, personnel, marketing, economics, and legalities of hosting an event.

### **TCEM 231 Tourism and Hospitality Marketing (3 cr.)**

Development, use, and evaluation of effective merchandising, advertising, and public relations techniques in the hospitality and tourism industries.

### **TCEM 241 Financial Accounting for the Service Industries (3 cr.)**

P: PHIL-P 162. Fundamental accounting principles and procedures applied to the hospitality and service industries. Includes study of the uniform system of accounts, financial statements, special purpose journal,

and subsidiary ledgers unique to the hospitality and service industries.

**TCEM 252 Promotional Communications (3 cr.)**

P: ENG-W 231. Provides information on the field of personal and public relations. Explores effective public relations methods. Focuses on the relationship-oriented decisions a public relations professional must make based upon different circumstances that arise within an organization.

**TCEM 271 Mechanics of Meeting Planning (3 cr.)**

P: TCEM 171. An analysis of details pertinent to the organization and execution of a meeting. Topics include finances and contracts, site selection, program development, marketing, evaluation and wrap-up.

**TCEM 302 Hospitality/Tourism Industry Trends (1-2 cr.)**

Supervised and structured industry practical experience. Requires signed learning agreement between student and employer prior to initiating internship: a minimum of 300 work hours for each credit. Maximum number of credit hours given for a summer is 1 (one). Maximum number of credits given in a semester experience is 2 (two).

**TCEM 306 Destination Planning (1 cr.)** P: TCEM

231. To prepare a business plan that presents a comprehensive outline of a proposed hospitality operation and includes a financial portfolio and work history of the applicant.

**TCEM 308 Wine Selection (3 cr.)** P: 21 years of age.

C: TCEM 218. Topics will include types of wines, wine quality and serving suggestions. Wine tastings will be included.

**TCEM 309 Cruise Line Management (3 cr.)** P: Approved

by the Office of International Affairs. C: 2.5 GPA. An overview of the cruise line industry and the skills needed to begin a productive career in this specialized travel segment.

**TCEM 310 Event Catering Management (2 cr.)**

Exploration of off and on premise catering requirement. Concept of event food management including menu planning, budget preparation, logistics management, guest relations and marketing.

**TCEM 312 Human Resource Management for the Service Industries (3 cr.)** P: TCEM 112.

The concepts of management of people for effective operation of institutions involving supervisory development and communications; the pretesting, training, and evaluating of employees; and the development of attitudes and morale of people working together.

**TCEM 318 Creative Wine Management (3 cr.)** P: 21

years of age. C: TCEM 218. Students will be presented with a concise, practical guide to profitable wine management. The course will incorporate the best experience amassed by operations over the years, with heavy emphasis on the recent trends.

**TCEM 328 Introduction to Microbrewing (3 cr.)** P: 21

years of age. This course deals with the principles of microbrewing, and each student will learn the basic concepts necessary to create beer. In this sense, students should come away from this class with the knowledge to build his or her own microbrewery. As well, this class

teaches a general appreciation for brewing and beers around the world.

**TCEM 329 Tourism Sports Marketing (3 cr.)**

The application of tourism marketing principles and activities will be analyzed in the content of effective tourism marketing.

**TCEM 334 Cultural Heritage Tourism (3 cr.)**

Cultural and heritage tourism balances visitor interests and needs against protecting cultural and heritage resources. This course examines the range of cultural and heritage assets that can become viable tourism attractions and looks at ways of linking quality cultural heritage tourism to community development. Special emphasis will be placed on Indiana cultural and heritage tourism.

**TCEM 341 Financial Analysis and Decision Making in Tourism, and Hospitality Operations (3 cr.)**

P: TCEM 241. Managerial and financial analyses of numerical data used for decision-making. Consideration of systems, techniques, information types, and presentational forms used by hospitality management. Emphasis on situations oriented to the hospitality industry.

**TCEM 362 Economics of Tourism (3 cr.)** P: TCEM

100. C: ECON-E 201. To discuss the economic impact of travel on tourism's various sectors, and the quantitative methods that can be applied to travel forecasting and tourism principles.

**TCEM 371 Convention Sales and Service (3 cr.)**

P: TCEM 171. This course is designed as an in-depth analysis of convention and facility sales and service. The course will enable meetings and events from the pre-planning through post event evaluation from the supplies perspective. Topics include marketing and advertising a facility property, organizing a sales staff, selling to different markets and contract/legal issues.

**TCEM 372 Global Tourism Geography (3 cr.)** P: TCEM

172. C: GEOG 300 Elective. Analysis of U.S. and world travel destinations, including the exploration of principal geographic features, population centers and attractions, customs and traditions, habits, festivals, and events, as these relate to the hospitality and travel industry. The major airline and airport/city codes in North America and overseas are also covered.

**TCEM 377 Exhibit Marketing (3 cr.)**

A successful exhibit can be one of the most powerful sales and marketing tools in any company's arsenal. This course is designed to help students through every phase of the endeavor-from the initial planning stage to implementation and post-show follow-up.

**TCEM 382 Popular Travel Trends (3 cr.)**

Development of an understanding of the patterns, principles and management of international travel to popular tourist destinations.

**TCEM 385 Beer and Spirits Management (3 cr.)** P: 21

years of age. Students will be introduced to the basic principles of beer and spirits production with a primary focus on manufacturing quality criteria, beer and spirits styles, and sensory standards. Evaluation by tasting is an integral part of this course.

**TCEM 387 Tourism Internship (1-12 cr.)** P: Junior

standing. To provide students an opportunity to improve

their operational/managerial skills by working in new areas.

**TCEM 388 Wine Styles (3 cr.)** P: 21 years of age. C: TCEM 218. The tasting of wines, application of wine fundamentals and recognition of regional varietals and their characteristics to better appreciate how history, climate and policy ultimately manifest into what's in each bottle.

**TCEM 401 Tourism Internship (1-12 cr.)** P: Junior standing. To provide students an opportunity to improve their operational/managerial skills by working in new areas.

**TCEM 408 Food and Wine Pairing (3 cr.)** P: 21 years of age. C: TCEM 218. To be able to appreciate the categories of wine, what they are and how they may be used in conjunction with making food combinations and wine lists for restaurants and other foodservice establishments.

**TCEM 411 Tourism and Hospitality Law (3 cr.)** P: TCEM 112. C: TCEM 312. Rights and duties of innkeepers and restaurateurs, civil rights, contracts, negotiable instruments, and types of organizations.

**TCEM 418 History of Wine (3 cr.)** P: 21 years of age. C: TCEM 218. A thematic understanding of the subject of wine since it was first produced everything from wine itself to the business of selling wine throughout history to its uses (both ancient and current) and its pleasure as a beverage which combines with food and makes the dining experience better.

**TCEM 461 Tourism Research, Planning and Development (3 cr.)** P: STAT 301. This course discusses tourism research planning and development as a process with emphasis on goal achievement for tourism and host community.

**TCEM 471 International Meeting Planning (3 cr.)** P: TCEM 171. The organization and production of international corporate business meetings, seminars, incentive trips and customer events using innovative and cost-effective programs that address changing business needs.

**TCEM 472 Global Tourism (3 cr.)** P: TCEM 100. The presentation of critical issues, problems, and opportunities that face the tourism industry.

**TCEM 477 Non Profit Meeting Management (3 cr.)** P: TCEM 171. Focuses on basic aspects and skills involved in planning and managing non-profit meetings and conventions. Examines sequences of events from the conceptual state of the first meeting plan through completion of the event.

**TCEM 482 Travel to Exotic Destinations (3 cr.)** Development of an understanding of the principles, patterns and management of international travel to exotic destinations.

**TCEM 483 Ecotourism (3 cr.)** Course will introduce students to the history, principles, marketing, planning, and management of ecotourism activities and development which promotes environmental awareness and adds economic benefits.

### **TCEM 499 Operational Tourism Analysis (3 cr.)**

P: TCEM 112, TCEM 341, STAT 301 and Senior standing. C: TCEM 231. Combines all of the areas concerned with executive management, marketing, personnel, cost controls, etc. Examines the hospitality organization as a total system, with emphasis on strategic planning, systems design and problem analysis.

**TCEM 500 Foundations of Event Tourism (3 cr.)** This course will serve as a forum for the discussion of today's tourism, including tourism trends, tourism impact, tourism policy issues, examination of the role of the tourist, the tourism manager and the host community, etc. Delivery will be through a series of structured lectures, seminars, directed activities and a research project. This will include analyses of case studies, discussions, slide shows, DVD/ videos, guided readings and individual/group research projects.

### **TCEM 519 Sports Tourism Management (3 cr.)**

This course analyzes the interconnectedness of sport and tourism from behavioral, historical, economic, management, marketing, environmental and policy perspectives. Issues and trends in the sport and tourism industry are also investigated.

### **TCEM 531 Event Tourism Marketing (3 cr.)**

The purpose of this course is to help you gain advanced marketing concepts and learn the process of formulating and managing marketing strategy for event tourism. After taking this class, you should be able to: 1) identify aspects of event tourism marketing, 2) review and critically assess different marketing theories and practices in event tourism, and 3) conduct methodological sound marketing research of your own.

### **TCEM 534 Cultural Tourism Management (3 cr.)**

The course investigates the relationship between culture and tourism, by examining the socio-cultural complexities of cultural heritage tourism. Issues and trends in the management of tangible and intangible assets, such as interpretation, globalization, cross-cultural values, impacts of development, sustainable tourism, etc., are also investigated.

### **TCEM 562 Economics of Event Tourism (3 cr.)**

P: Undergraduate Micro-Economics. The course examines the fundamental economic principles as they apply to the leisure and tourism industry. The economic complexities of the tourism product, including travel behavior, tourism spending, demand and supply of tourism services, costs and benefits of tourism events, tourism development by governments, etc., will be investigated. Trends in travel and tourism, and related socio-economic impacts are examined.

### **TCEM 571 Strategic Meeting Management (3 cr.)**

This graduate seminar is designed to address contemporary issues facing business professionals in the meeting and event industry. The course will evaluate high-level strategies that address a coordinated approach to planning and evaluating meetings.

### **Elective Physical Education Program**

#### **HPER-D 101 Beginning Ballet (1 cr.)**

This course is designed for the adult learner in ballet technique. It includes barre work and center combinations that promote strength, flexibility, balance, and coordination. Ballet

serves as a foundation for other forms of dance and enhances body posture and carriage.

**HPER-D 110 Beginning Modern Jazz Dance (1 cr.)** This course is designed for the adult beginner in modern jazz dance and will be concerned with rigorously training the body in the styles of leading jazz educators. Warm-up exercises and jazz combinations will be performed, and historical, social, and ethnic dance contributions will be examined.

**HPER-D 201 Modern Dance Workshop (1 cr.)** Collaboration of dance faculty in providing a wide variety of movement experiences in the areas of technique, composition, and improvisation. This course may be repeated.

**HPER-D 202 Intermediate Ballet (1 cr.)** This course is a continuation of HPER-D 101 or is for the adult beginner with previous experience in ballet technique. It will cover a technical vocabulary of barre and center work to stimulate both the mind and the body.

**HPER-D 211 Advanced Technique I (2 cr.)** P: HPER-E 355 or consent of instructor. Designed to allow the student to develop a higher level of technical proficiency, with an emphasis on the application and analysis of various movement principles as they relate to dance and performance.

**HPER-D 212 Advanced Technique II (2 cr.)** P: HPER-D 211. An extension of principles examined in HPER-D 211 through the use of longer and more complex movement sequences, with an emphasis on style and performance.

**HPER-D 218 Modern Jazz Dance Technique (1 cr.)** Instruction in jazz dance technique derived from the styles of Luigi and Gus Giordano; special emphasis on centering, precision and clarity of movement, and coordination and performance skills such as style and visual focus.

**HPER-D 221 Dance Composition I (2 cr.)** P: HPER-E 255 or HPER-E 355. Through problem-solving assignments and appropriate dance composition, tools for discovering movement will be developed.

**HPER-D 332 Dance and the Allied Arts II (3 cr.)** P: Consent of instructor. Historical development of dance and related art forms, Renaissance through contemporary.

**HPER-D 351 Teaching of Modern Dance (1 cr.)** P: HPER-D 221. Study of various approaches, methods and materials for teaching dance at the secondary level, including procedures for evaluation.

**HPER-D 421 Choreographic Performance Project (2 cr.)** P: Senior dance performance majors only. Under faculty guidance, each student is responsible for initiating and developing a completed work for concert performance.

**HPER-D 441 Dance Production (2 cr.)** Basic orientation to technical theatre, specifically for dance. Production methods for publicity, audio-visual materials, and make-up design. Includes presentation of an original lecture-demonstration.

**HPER-E 100 Experiences in Physical Activity (1 cr.)** Any of a series of courses in new and developing fitness and activity areas.

**HPER-E 102 Group Exercise (1 cr.)** A total fitness class that emphasizes cardiorespiratory conditioning, flexibility, muscular endurance, and coordination through rhythmical body movement. S/F grades.

**HPER-E 105 Badminton (1 cr.)** Beginning instruction in basic skills and techniques of badminton for singles, doubles, and mixed doubles play. Emphasis on basic skill development, rules, and strategy.

**HPER-E 109 Ballroom and Social Dance (1 cr.)** Instruction in the techniques of ballroom dance including fox trot, waltz, cha-cha, tango, rhumba, samba, and fad dances.

**HPER-E 111 Basketball (1 cr.)** Instruction in fundamental skills of shooting, passing, ball handling, footwork, basic strategies of offensive and defensive play, and interpretation of rules.

**HPER-E 119 Personal Fitness (1 cr.)** Instruction in basic principles of conditioning and fitness. Emphasis on muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance. Designed for students without prior knowledge of conditioning methods.

**HPER-E 121 Conditioning and Weight Training (1 cr.)** Instruction in basic principles of conditioning and weight training. Emphasis on muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance.

**HPER-E 127 Fencing (1 cr.)** Instruction in guard position, footwork, and basic defensive and offensive skills. Emphasis on fencing with foil and an overview of the sabre.

**HPER-E 130 Army Physical Fitness (2 cr.)** The path to total fitness requires a combination of physical conditioning, mental conditioning, and common sense dietary considerations. This course is for those willing to accept a disciplined regimen proven to lead to total fitness.

**HPER-E 131 Folk and Square Dance (1 cr.)** Introduction to folk dance in the United States and other countries. Instruction in fundamentals of movement, basic folk dance techniques, and square-dance patterns in traditional and modern folk dances.

**HPER-E 133 Fitness and Jogging (1 cr.)** Beginning instruction in the basic principles of fitness as they apply to a jogging program. Emphasis on cardiorespiratory endurance and flexibility. Basic concepts underlying Dr. Kenneth Cooper's aerobic program included. Course designed for students without prior experience in jogging programs or in aerobics levels I through III.

**HPER-E 135 Golf (1 cr.)** Beginning instruction in techniques for putting, chipping, pitching, iron swing, and wood stroke. Course includes rules and etiquette of golf. Students play on par-3 courses. Fee charged.

**HPER-E 137 Gymnastics (1 cr.)** Beginning instruction in basic skills and incorporation of basic routines in trampoline, tumbling and vaulting. Emphasis on events performed by both men and women. All events will be included.

**HPER-E 148 T'ai Chi Ch'uan (1 cr.)** Instruction in basic skills and techniques for beginning level participants in



this non-contact martial art. Topics include breathing, centering, postures, and movement sequences.

**HPER-E 151 Self-Defense (1 cr.)** Instruction techniques for practical self-defense skills and situations. No uniform required.

**HPER-E 155 Modern Dance (1 cr.)** Beginning instruction in modern dance technique, stressing knowledge and application of movement principles essential to dance training.

**HPER-E 168 Swimming-Nonswimmers (1 cr.)** Beginning instruction in self-rescue, remedial swimming skills, and several basic strokes. For the student with no swimming skills.

**HPER-E 181 Tennis (1 cr.)** Beginning instruction in the fundamental skills of forehand and backhand strokes and serves. Competitive play in women's, men's, and mixed doubles.

**HPER-E 185 Volleyball (1 cr.)** Instruction in fundamental skills of power volleyball. Emphasis on overhand serve, bump, set, dig, and spike. Team offensive and defensive strategies included.

**HPER-E 190 Yoga (1 cr.)** Introduction to the basic principles and techniques of yoga.

**HPER-E 200 Military Science-Leadership Lab (1-6 cr.)**  
P: Minimum 2.0 GPA, 54 total credits. Conducted at Fort Knox, Kentucky, for six weeks, this course will cover basic military skills and leadership. Students earn 1-6 credits, based on military science basic courses previously taken. Students should not have completed military basic training or Reserve Officer Training Corps (ROTC) basic course.

**HPER-E 205 Badminton-Intermediate (1 cr.)**  
Intermediate instruction in skills and techniques of badminton for singles, doubles and mixed doubles play. Emphasis on development of skills and strategy.

**HPER-E 219 Weight Control and Exercise (2 cr.)**  
Designed for overweight students, this class will stress the importance of diet and exercise in permanent weight control. Uses dietary behavior modification techniques and an exercise program to achieve a gradual reduction to and maintenance of ideal weight. S/F grades.

**HPER-E 227 Intermediate Fencing (1 cr.)** P: HPER-E 127 or permission of instructor. Builds upon basic knowledge of fencing. Instruction of advanced skills and new techniques with an emphasis on the tactical aspect of fencing at a competitive level.

**HPER-E 230 Advanced Army Physical Fitness (2 cr.)**  
P: HPER-E 130 or consent of instructor. Continuing along the path to total fitness begun in HPER-E 130, this course emphasizes the leadership aspect of army physical fitness. Students will lead physical training sessions, participate in and lead formation runs, and continue the discipline regimen begun in HPER-E 130.

**HPER-E 248 Intermediate T'ai Chi Ch'uan (1 cr.)**  
P: HPER-E 148 or consent of instructor. This intermediate course examines the everyday practice of t'ai chi ch'uan. Course presents refinement of William C. C. Chen's 60 movement form, da lu, and push-hands. Provides

examples of neutralizing, throwing, striking, and strategic/philosophic concepts.

**HPER-E 255 Modern Dance-Intermediate (1 cr.)**  
P: HPER-E 155 or consent of instructor. Intermediate modern dance technique stressing knowledge and application of movement principles essential to dance training.

**HPER-E 260 Karate-Intermediate (1 cr.)** P: Yellow belt technical level or consent of instructor. Instruction in advanced applications of basic techniques and free fighting. Students should achieve technical level of green belt. Karate uniform required.

**HPER-E 268 Swimming-Intermediate (1 cr.)** Instruction designed to help the less-skilled swimmer master the five basic strokes and be proficient in self-rescue and basic rescue skills.

**HPER-E 270 Introduction to Scientific Scuba (2 cr.)**  
Introduction to scuba diving. Emphasis on safety and avoidance of potential dangers. A non-certification course.

**HPER-E 281 Tennis-Intermediate (1 cr.)** Instruction in spin service, volley, lob, and advanced drive placement. Emphasis on singles and doubles playing strategies.

**HPER-E 290 Yoga II (1 cr.)** P: HPER-E 190 or equivalent. Intermediate yoga builds upon material presented in HPER-E 190 Beginning Yoga. The class will continue an emphasis on breath and release work through yoga, including variations on familiar asanas, continued explorations of the body systems, and deeper understanding of the health benefits of this practice. The energizing and strengthening value of standing poses will also be featured. Grading is based on attendance, effort and the completion of out-of-class written assignments.

**HPER-E 355 Modern Dance I-Advanced (1 cr.)**  
P: HPER-E 255 or consent of instructor. Advanced techniques in modern dance with emphasis on performance of movement patterns and individual creative work.

**HPER-E 356 Modern Dance II-Advanced (1 cr.)**  
P: HPER-E 355. Course may be repeated. Continuation of advanced techniques in modern dance with emphasis on performance of movement patterns and on individual creative work.

**HPER-E 371 Advanced Scuba (1 cr.)** P: HPER-E 370 or National Scuba Certification. Course provides students with practical knowledge in advanced scuba. Topics include natural and compass navigation, search and recovery, night or limited visibility, and specialty/deep-diving knowledge.

**HPER-E 477 Water Safety Instructor (2 cr.)** Instruction prepares students to teach American Red Cross swimming and water safety courses to infants/parents, preschoolers/parents, youths and adults. Includes safety course for swim coaches. Students meeting written and skill criteria earn American Red Cross Water Safety Instructor certificate.

### **Foods and Nutrition Courses**

**FN 30300 Essentials of Nutrition (3 cr.)** Basic nutrition and its application in meeting nutritional needs of all ages.

Consideration is given to food selection, legislation, and community nutrition education programs.

**FN 31300 Principles of Healthy Menu Planning and Food Programs (3 cr.)** Basic nutrition as applied to food intake patterns and modifications/preparation of recipes to provide a more healthful diet.

**FN 31500 Fundamentals of Nutrition (3 cr.)** P: CHEM-C 101 or BIOL-N 217 or consent of instructor. Basic principles of nutrition and their application in meeting nutritional needs during the life cycle.

**FN 33000 Diet Selection and Planning (3 cr.)** This course examines the nutritional requirements for individuals from birth to senior years.

### Graduate Physical Education Courses

**HPER-A 642 Internship in Athletics (1-4 cr.)** Credit for practical learning experiences as well as quality career-related work experiences.

**HPER-H 510 Organization and Administration of School Health Programs (3 cr.)** Recommends criteria for the organization, implementation, and evaluation of health education programs in schools. Covers the areas of administration, health instruction, health services, and a healthful school environment. Discusses special roles and responsibilities of teachers, nurses, administrators, and other school and community personnel in promoting child health.

**HPER-H 517 Workshop in Health Education (1-3 cr.)** Interesting topics of relevance to individuals in school, public health and related disciplines. Conducted in workshop fashion under the direction of faculty members. Emphasizes practical application, group involvement, and the use of resource personnel. Specific topics vary; course may be repeated for credit.

**HPER-K 500 Special Topics in Kinesiology (3 cr.)** Selected topics in physical education.

**HPER-K 506 Computer Applications in Physical Education (3 cr.)** Hands-on applications in the use of microcomputers as problem-solving tools in physical education. Programming applications and problems in physical education, sport sciences, administration, athletics and research.

**HPER-K 511 Legal Issues in the Sport Environment (3 cr.)** An introduction to legal principles involved in amateur sport. Constitutional law issues such as athletic eligibility, NCAA due process, gender discrimination and drug testing. In-depth explanation of tort liability. Contracts in amateur sport settings.

**HPER-K 525 Psychological Foundations of Exercise and Sport (3 cr.)** Addresses theoretical and empirical aspects of topics including exercise and mental health, anxiety and sport performance, "personology" and sport, overtraining, exercise adherence, and perceived exertion.

**HPER-K 530 Mechanical Analysis of Human Performance (3 cr.)** P: ANAT-A 215 or equivalent; PHYS-P 201 recommended. Newtonian mechanics applied to human movement. Analysis of sports techniques.

**HPER-K 532 Clinical Biomechanics-Gait (3 cr.)** Injury and pathology of the human locomotive system affects our well-being and independence. Lectures, discussions and

laboratory work on the mechanics of human locomotion will focus on the understanding of the complex processes involved in able-bodied and pathological gaits. Case studies are used to link observable/measurable behavior to pathology and injury.

**HPER-K 533 Advanced Theories of High-Level Performance (3 cr.)** An integrative analysis of the physiological, psychological and biomechanical principles, mechanisms and phenomena underlying the acquisition of the capacities and abilities required for high-level physical performance.

**HPER-K 535 Physiological Basis of Human Performance (3 cr.)** P: PHYS-P 215 or equivalent. A study of physiological changes that occur with exercise. Emphasis on cardiorespiratory, muscular, and biochemical adaptations to training, and how these adaptations affect human performance. Physiological principles are applied to athletic training, adult fitness, weight regulation, and physical therapy.

**HPER-K 541 Nature and Basis of Motor Skills (3 cr.)** An overview of neural mechanisms underlying motor control. Application of neurophysiological principles to human motor performance.

**HPER-K 542 Neuromuscular Control of Movement (3 cr.)** An overview of neural mechanisms underlying motor control. Includes applications of neurophysiological principles to human motor performance.

**HPER-K 552 Problems in Adapted Physical Education (3 cr.)** A study of problems as they relate to philosophy, procedures, and practices in adapted physical education.

**HPER-K 553 Physical Activity and Health (3 cr.)** Provides an overview of the role of physical activity in the prevention of disease and disability. Explores the health-related consequences of inactivity and discusses interventions designed to increase physical activity within populations. The course will focus on obesity and its health-related consequences.

**HPER-K 562 Exercise Prescription in Health and Disease I (3 cr.)** Health fitness laboratory evaluation for exercise prescription for apparently healthy adults. Modification of prescription for metabolic and immune diseases. Topics include disease etiology, pathophysiology, exercise intervention, clinical management and exercise prescription for hyperlipidemia, obesity, diabetes, stage renal disease, cancer, AIDS and organ transplantation.

**HPER-K 563 Cardiac Assessment in Exercise Testing (3 cr.)** Physiology, assessment techniques and interpretation of basic cardiac rhythm, 12 lead EKG and adjunctive imaging techniques in clinical exercise testing. Introduction to basic cardiac pharmacology.

**HPER-K 571 Administration of Physical Education (3 cr.)** Prepares individuals to assume administrative roles in physical education. Concepts and practices related to the administration of physical education. Procedures for developing and evaluating learning experiences. Aspects of administration pertaining to programming, personnel, facilities, equipment, supplies, safety, and in-service programs.

**HPER-K 572 The Physical Education Curriculum (3 cr.)**

Influences on curricula. Designs for developing, revising, and evaluating physical education curricula. Alternative modes of curriculum organization. The interdependence of general education, specialized education, exploratory education, and enrichment education. The roles of teachers and administrators in the production of curricula. Suggested formats.

**HPER-K 576 Measurement and Evaluation in**

**Physical Education (3 cr.)** Theory of measurement in physical education, selection and administration of appropriate tests, and interpretation of results by statistical procedures. Project required to apply theory taught.

**HPER-K 601 Readings in Kinesiology (1-3 cr.)** P:

Graduate GPA of at least 3.0. Guided readings for broadening information about and understanding of the profession.

**HPER-K 602 Independent Study and Research (1-5 cr.)**

P: Graduate GPA of at least 3.0. Independent research conducted under the guidance of a graduate faculty member.

**HPER-T 590 Introduction to Research in Health, Kinesiology and Recreation (3 cr.)**

The course objectives are: 1) to introduce graduate students to the use of research as the basis for generating knowledge in areas related to health, kinesiology and recreation; 2) to introduce students to the importance of research and to give students practice with tools and tasks of research; 3) to introduce students to quantitative and qualitative research methodologies; 4) to assist students in the development of skills in reading, conducting and understanding research; and 5) to assist students in the development of an understanding of the conceptual foundations of research from which they will be able to: a) critically review and evaluate research, and b) pursue greater understanding of more technical aspects of research through advanced course work in research methodology and statistics.

**HPER-T 591 Interpretation of Data in Health,**

**Kinesiology and Recreation (3 cr.)** Elementary and essential statistical and graphical techniques for analysis and interpretation of data; practice with actual data.

**Military Science Courses**

**HPER-E 130 Army Physical Fitness (2 cr.)** Open to all students at IUPUI who are physically able to participate in a fitness class, regardless of whether they are in another military science class. The course emphasizes the development of an individual fitness program and the role of exercise and fitness in one's life. Basic Course and Advanced Course cadets attend sessions for no credit without formally enrolling, in accordance with the Professor of Military Science's Physical Fitness Memorandum. If cadets desire credit for this course, they must formally enroll and pay for the course.

**HPER-E 230 Advanced Army Physical Fitness (2 cr.)**

Open to all students at IUPUI who are physically able to participate in a fitness class, regardless of whether they are in another military science class. The course emphasizes the development of an individual fitness program and the role of exercise and fitness in one's life. Basic Course and Advanced Course cadets attend sessions for no credit without formally enrolling, in

accordance with the Professor of Military Science's Physical Fitness Memorandum. If cadets desire credit for this course, they must formally enroll and pay for the course.

**MIL-G 101 Leadership and Personal Development (1 cr.)** Introduces cadets to the personal challenges and competencies that are critical for effective leadership.

Cadets learn how the personal development of life skills such as critical thinking, goal-setting, time management, physical fitness and stress management relate to leadership, officership and the Army profession.

The focus is on developing basic knowledge and comprehension of Army leader attributes and core leader competencies while gaining a big picture understanding of ROTC, its purpose in the Army and its advantages for the student.

**MIL-G 102 Foundations in Leadership (1 cr.)**

This course provides an overview of leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills and actions in the context of practical, hands-on and interactive exercises. Leadership labs, physical training sessions, and a weekend field training exercise are optional, but available to those looking for more out of their college experience.

**MIL-G 120 Leadership Lab I (1 cr.)**

Must be enrolled in an Army ROTC class. Different roles assigned based on level in the program. Learn and practice basic soldiering skills. Build self-confidence, team building and leadership skills that can be applied throughout life. Course meets on most Fridays throughout the semester. Students desiring credit for this course must formally enroll and pay for the course.

**MIL-G 121 Leadership Lab II (1 cr.)**

Must be enrolled in an Army ROTC class. Different roles assigned based on level in the program. Learn and practice basic soldiering skills. Build self-confidence, team building and leadership skills that can be applied throughout life. Course meets on most Fridays throughout the semester. Students desiring credit for this course must formally enroll and pay for the course.

**MIL-G 201 Innovative Tactical Leadership (2 cr.)**

This course explores the dimensions of creative and innovative tactical leadership strategies and styles by studying historical case studies and engaging in interactive student exercise. Cadets practice aspects of personal motivation and team building in the context of planning, executing and assessing team exercises. Leadership labs, physical training sessions, and a weekend field training exercise are optional, but available to those looking for more out of their college experience.

**MIL-G 202 Leadership in Changing Environments**

**(2 cr.)** This course examines the challenges of leading in complex contemporary operational environments. Dimensions of the cross-cultural challenges of leadership in a constantly changing world are highlighted and applied to practical Army leadership tasks and situations. Leadership labs, physical training sessions, and a weekend field training exercise are optional, but available to those looking for more out of their college experience.

**MIL-G 301 Adaptive Team Leadership (3 cr.)** This course challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of the ROTC Leader Development Assessment Course. Challenging scenarios related to small-unit tactical operations are used to develop self-awareness and critical thinking skills. Cadets receive systematic and specific feedback on their leadership abilities. Periodic weekend and Friday leadership labs, physical training sessions, and a weekend field training exercise are mandatory course requirements.

**MIL-G 302 Leadership Under Fire (3 cr.)** This course uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading small units. Skills in decision-making, persuading, and motivating team members when "under fire" are explored, evaluated, and developed. Aspects of military operations are reviewed as means of preparing for the ROTC Leader Development Assessment Course. Periodic weekend and Friday leadership labs, physical training sessions, and a weekend field training exercise are mandatory course requirements.

**MIL-G 303 Adaptive Team Leadership (3 cr.)** This course challenges cadets to study, practice and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities.

**MIL-G 401 Developing Adaptive Leaders (3 cr.)** This course develops cadet proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make ethical decisions, and provide coaching to fellow ROTC cadets. Periodic weekend and Friday leadership labs, physical training sessions, and a weekend field training exercise are mandatory course requirements.

**MIL-G 402 Leadership in a Complex World (3 cr.)** This course explores the dynamics of leading in the complex situations of current military operations. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support are examined and evaluated. Periodic weekend and Friday leadership labs, physical training sessions, and a weekend field training exercise are mandatory course requirements.

**MIL-G 403 Developing Adaptive Leaders (3 cr.)** This course transitions the focus of student learning from being trained, mentored and evaluated as an MSL III Cadet, to learning how to train, mentor and evaluate underclass cadets. MSL IV Cadets will learn the duties and responsibilities of an Army staff officer and apply the Military Decision Making Process (MDMP), the Army Writing Style and the Army's Training Management and METL Development processes during weekly Training Meetings to plan, execute and assess battalion training events. Cadets will learn how to safely conduct this training by understanding and employing the Composite

Risk Management Process. MSL IV Cadets will learn how to use the Comprehensive Soldier Fitness (CSF) program to reduce and manage stress.

**MIL-G 404 Leadership in a Complex World (3 cr.)** This course explores the dynamics of leading soldiers in Full Spectrum Operations in the Operating Environment (OE). Cadets examine differences in customs and courtesies, principles of war and rules of engagement in the face of terrorism. They also explore aspects of interacting with non-government organizations, civilians on the battlefield and host nation support and explore counterinsurgency operations. Cadets will learn what support services are available to assist soldiers and their families in times of need, such as: Red Cross, CFC, AER, etc. MSL IV's will develop and present a battle analysis and participate in a staff ride at an historic military site.

### **Professional Preparation Program in Physical Education**

**HPER-A 361 Coaching of Football (2 cr.)** Fundamentals of offensive and defensive line and backfield play; technique of forward passing; outstanding rules; offensive plays; most frequently used defenses.

**HPER-A 362 Coaching of Basketball (2 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.

**HPER-A 363 Coaching of Baseball (2 cr.)** Fundamentals of pitching, catching, batting, base running, infield and outfield play; offensive and defensive strategy; organization and management.

**HPER-A 484 Interscholastic Athletic Programs (2 cr.)** An overview of the operation of athletic programs for men and women on national and state levels. Policies and procedures as they pertain to budget, facilities, eligibility, contest regulations, safety, and current trends.

**HPER-C 366 Community Health (3 cr.)** Introduction to community health within the public health context. Students will develop an understanding of historical and theoretical foundations of community health and major societal health concerns, explore community health models and programs used to address these concerns, and examine racial/ethnic, cultural, socioeconomic and related determinants of community health.

**HPER-C 416 Introduction to Health Counseling (3 cr.)** P: PSY-B 110 or equivalent. Reviews recent developments in mental health; implications for public health and school health programs; and roles of health educators in supportive listening, crisis intervention, and appropriate counseling and referral strategies for contemporary health issues.

**HPER-F 255 Human Sexuality (3 cr.)** Survey of the dynamics of human sexuality; identification and examination of basic issues in human sexuality as they relate to the larger society.

**HPER-F 258 Marriage and Family Interaction (3 cr.)** Basic personal and social factors that influence the achievement of satisfying marriage and family experiences.

**HPER-H 160 First Aid and Emergency Care (3 cr.)**

Lecture and demonstration of first-aid measures for wounds, hemorrhage, burns, exposure, sprains, dislocations, fractures, unconscious conditions, suffocation, drowning, and poisons, with skill training in all procedures.

**HPER-H 180 Stress Prevention and Management**

**(3 cr.)** Comprehensive course on stress management. Intended for college students from all fields of study. Applies several stress management techniques including time management, deep breathing, progressive muscular relaxation, yoga, and study skills. To benefit most from class, students must practice stress reduction techniques outside of class.

**HPER-H 195 Principles and Applications of Lifestyle Wellness (3 cr.)**

This course will increase an awareness of and provide instruction pertaining to wellness, and will assist the student in making healthy lifestyle choices. The course supports an emphasis on measurable parameters within the physical dimension of wellness and incorporates the remaining dimensions of emotional, intellectual, occupational, social, and spiritual wellness.

**HPER-H 305 Women's Health (3 cr.)** Examines the relationship of women to health and health care. Five dimensions of health: physical, mental, emotional, social, and spiritual provide a framework for comparison and contrast of health concerns unique to women and common to both sexes at all ages.

**HPER-H 317 Special Topics (1-3 cr.)** Topical seminar in health education.

**HPER-H 318 Drug Use in American Society (3 cr.)**

An interdisciplinary approach to the study of drug use in American society. The course will examine the effects of alcohol, tobacco, and illicit drugs on the physical, mental, and social health of the individual.

**HPER-H 352 Secondary School Health Curriculum and Strategies (3 cr.)**

P: Admission to the School of Education Teacher Education Program and HPER-H 205 with grade of S; Junior (56-85 cr.) or Senior (86+ cr.) status. Professional competencies for planning and implementing secondary school curricula based on assessed needs. Effective curriculum characteristics, content standards, instructional strategies, curriculum analysis, lesson and unit structures. Preparation of lesson and unit plans.

**HPER-H 363 Personal Health (3 cr.)** Acquaints prospective teachers with basic personal health information and 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.

**HPER-H 464 Coordinated School Health Programs**

**(3 cr.)** P: Junior (56-85 cr.) or Senior (86+ cr.) status. Organization of total health program involving health service, 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.

**HPER-H 465 Community Health Education (3 cr.)**

Addresses the place of the teacher in community health education programs. Considers the need to program,

various media and methods that may be employed, and the place of existing agencies in the program.

**HPER-L 135 Learning Community: Physical Education-Exercise Science (1 cr.)**

Focuses on your personal development specifically as it relates to self-discovery, health and fitness, and school/life balance. Our enthusiastic instructional team will help you polish your strategies for academic and personal success and introduce you to the campus resources that will support you throughout your college career while you get to know your new colleagues in all four courses. Classes will be activity-centered and include numerous opportunities for fun and interesting campus and community engagement.

Fit 'n' Healthy will culminate in a Personal Development Plan (PDP) that will help with goal-setting and steer you on the path to your college degree.

**HPER-N 220 Nutrition for Health (3 cr.)** Basic principles of nutrition, with emphasis on identification, functions, and food sources of nutrients required by individuals for optimum health and development.

**HPER-P 157 Teaching Individual and Team Activities (3 cr.)**

This course is designed to provide physical education teacher education (PETE) majors with performance and teaching competencies in a variety of individual and team activities across grades P-12. There will be an emphasis on instruction and practice in using professional literature (online and in-print) as the basis for teaching decisions. Students will participate in the teaching of peers at IUPUI and settings both in and outside of class teaching middle and high school students.

**HPER-P 195 History and Principles of Physical Education (3 cr.)**

Understanding and interpretation of principles of modern physical education programs. Contributions of historical programs related to development of present-day programs.

**HPER-P 200 Microcomputer Applications in Kinesiology (3 cr.)**

A hands-on introduction to the use of microcomputers as problem-solving tools in physical education. Course content includes an introduction to microcomputers and DOS functions; word processing, spreadsheets, and database skills; and experience with graphic and sport-specific application programs.

**HPER-P 204 Motor Development (3 cr.)**

Motor learning and development principles throughout the life span. Emphasis on observing and analyzing characteristic movement behavior, motor learning, and motor performance, with application to developmentally appropriate movement experiences.

**HPER-P 205 Structural Kinesiology (3 cr.)**

Overview of basic human body structures and functions appropriate for beginning students in physical education. Fundamental concepts concerning the interaction of biological and mechanical aspects of the musculoskeletal and neuromuscular structures. Emphasis on the practical application to study and the teaching of skilled human movement.

**HPER-P 211 Introduction to Sports Management**

**(3 cr.)** An examination of the broad spectrum of career opportunities available in the sport management profession. Special emphasis on career planning, sport management terminology and an overview of specific

skills and courses required for professional preparation in sport management.

**HPER-P 212 Introduction to Exercise Science (3 cr.)**

An introduction to the science of exercise and human movement. Special topics in exercise physiology, sport biomechanics, sports medicine, and motor integration.

**HPER-P 215 Principles and Practice of Exercise Science (3 cr.)**

A study of the scientific principles related to physical fitness and the practical application of principles to directing fitness programming in school, recreational, and corporate settings. Students will be involved in setting up, participating in, and evaluating personal fitness activities.

**HPER-P 224 Teaching of Dance Activities (2 cr.)**

Methods and materials of folk, square, social, and modern dance. Terminology, fundamental skills, selection, and presentation of dances. Emphasis on planning dance units and teaching of dances. Fundamentals of locomotor and non-locomotor skills, as well as experiences in creative movement activities. Instruction in rhythmic movement progressions and development of materials for unit plans.

**HPER-P 246 Performance and Teaching of Cardio and Resistance Training (3 cr.)**

This course will focus on teaching cardiovascular fitness and resistance training activities in health and fitness settings. These concepts will be covered: basic muscle anatomy, safety and etiquette, proper techniques, equipment options, aerobic fitness, exercise prescription, basic training principles and lifetime fitness activities (youth through older adults).

Emphasis on design, planning and teaching of these activities.

**HPER-P 258 Performance and Teaching of Activities for Persons with Special Needs (1 cr.)**

Theory, activity modifications and practice teaching of activities for persons with disabilities (K-12).

**HPER-P 271 Individual Sport (1 cr.)**

Teaching of and participation in sports activities, some of which are not included in other skills courses in the curriculum. Includes badminton, bowling, archery, and golf.

**HPER-P 280 Basic Prevention and Care of Athletic Injuries (2 cr.)**

An introduction to the principles of injury prevention. Lecture and demonstration of emergency measures (e.g., fractures, sprains, dislocations and spinal injuries). Skill training in bandaging, strapping and splinting techniques emphasized.

**HPER-P 290 Movement Experiences for Preschool and Elementary Children (3 cr.)**

Provides the student with knowledge of potential outcomes of preschool 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.

**HPER-P 324 Recreational Sports Programming (3 cr.)**

Course provides an overview of the programmatic elements and techniques that currently exist in recreational sports. Specific topics include informal, intramural, club, and extramural programming; value of recreational sports; programming techniques; publicity and

promotion; facility utilization; equipment concerns; safety; liability; and program observation.

**HPER-P 331 Planning and Operation of Sport Facilities (3 cr.)**

Introduction to the various methods of planning and operating sport facilities.

**HPER-P 333 Sport in America-Historical Perspectives (3 cr.)**

Study of the evolution of sport in the United States within the larger context of historical developments in society; women's sport experiences in relation to the development of sport; and examination of sport as a reflection of American culture from the founding of the colonies to the present.

**HPER-P 373 Resistance Exercise and Sports Conditioning (3 cr.)**

P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. This course focuses on progressive resistance exercise and its application in physical conditioning for the competitive athlete, the fitness enthusiast and various special populations. Topics covered include: basic muscle physiology, kinesiology, musculoskeletal adaptation to resistance exercise, modes of training, muscle-specific exercises and exercise technique.

**HPER-P 374 Basic Electrocardiography for the Exercise Sciences (2 cr.)**

P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Introduction to the basic concepts, theory, interpretation of electrocardiograms (ECG/EKG), their uses in fitness programs that deal with healthy people and with cardiac rehabilitation patients.

**HPER-P 390 Growth and Motor Performance of School-Age Youth K-12 (2 cr.)**

P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. A study of growth and developmental characteristics of school-age youth. Emphasis is placed on motor development, performance, and the relationship to cognitive and affective behavior. Supervised teaching experiences are an integral part of the course.

**HPER-P 391 Biomechanics (3 cr.)**

P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. An introduction to the mechanics of human motion. Includes linear and angular kinematics and kinetics in the context of human motion; mechanics of fluids; mechanics of muscles; and analysis of selected sports activities.

**HPER-P 392 Sport in American Society (3 cr.)**

P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. An introduction to sport sociology, in which students critically examine American sport from a social context and analyze the interrelationship between sport and American culture. Lectures, discussions, videos, guest speakers, and investigative analysis.

**HPER-P 393 Professional Practice Programs in Health, Physical Education and Recreation (3-10 cr.)**

P: At least sophomore standing, and approval of the instructor and the Office of Professional Practice Programs. This course is designed to provide the student with quality career-related work experience. Evaluation by employer and faculty sponsor.

**HPER-P 397 Kinesiology (3 cr.)**

P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Application of facts and principles of anatomy,

physiology and mechanics to problems of teaching physical education skills and activities of daily living.

**HPER-P 398 Adapted Physical Education (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Study of conditions that 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 handicap conditions.

**HPER-P 399 Practicum in Adapted Physical Education (1-2 cr.)** P: HPER-P 398. A practical learning experience in adapted physical education with children with disabilities. Course may be repeated.

**HPER-P 402 Ethics in Sport (3 cr.)** A study of the nature of ethics in sport with an emphasis on current application of moral principles and values. The relationship of ethics to social issues in sport will be explored, including philosophical and historical perspectives.

**HPER-P 403 Theory and Practice of Cardiovascular Fitness (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. This course focuses on principles and processes of designing, organizing, and teaching a variety of rhythmic aerobic training forms. Topics covered include a review of basic exercise and rhythmic movement principles, how they are used to create modes of rhythmic aerobic training used in group and individual exercise programs.

**HPER-P 405 Introduction to Sport Psychology (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. An overview of the field, including psychological aspects of sport performance, coaching and the relationship of exercise with mental health. Various theoretical orientations will be addressed with an emphasis on empirical research.

**HPER-P 409 Basic Physiology of Exercise (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. A survey of human physiology parameters as related to physical exercise, work and the development of physiological fitness factors. Physiological foundations will be considered.

**HPER-P 410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Course focuses on the provision of physical activity programs in community settings for individuals with special needs. Topics include: laws relating to service delivery, conditions which may lead to impairment of ability to participate in physical activity, facility and equipment accessibility, activity modifications, contraindications to activity, and organized disabled sport.

**HPER-P 411 Legal Issues in Sport Settings (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. An introduction to legal principles involved in sport. Tort liability, including intentional tort, negligence, and product liability. Covers constitutional law issues, particularly as they relate to athletic eligibility, athletes' rights, sex discrimination, and drug testing. Discussion of sport contracts.

**HPER-P 415 Sport Promotions and Public Relations (3 cr.)** An introduction to the theories and techniques of sport promotions, public relations and fundraising.

**HPER-P 416 Fitness Management (3 cr.)** This course brings business management principles and operational guidelines to the fitness practitioner. Topics include facility management, organizational program operation, member service, health and safety facility standards, finance maintenance, evaluation and planning processes, strategic planning and facility design.

**HPER-P 417 Physical Activity and Disease: Prevention and Treatment (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Provides an overview of the role of physical activity in the prevention of disease and disability. The cause of common diseases, physiological impact and treatment side effects of common diseases will be discussed to enable effective exercise prescription within special populations.

**HPER-P 418 Sports Marketing (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Examination of the elements of the marketing mix as they pertain to the sport enterprise. Also includes the coverage of decision making and planning from the sport manager's perspective and the impact of corporate sponsorship on the delivery of sport.

**HPER-P 419 Fitness Testing and Interpretation (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Provides a knowledge base and practical experiences in fitness testing, assessment, and exercise programming.

**HPER-P 420 Exercise Leadership and Program Design (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. The course is designed to be a culminating experience for the fitness specialist student to demonstrate practical application of the theory, techniques and skills of safe, effective, efficient exercise leadership and program design in a variety of supervised settings with both apparently healthy and special populations. This course serves as a foundation for becoming a qualified candidate for the AGSM Health, Fitness Instructor national certification.

**HPER-P 421 Special Topics in Physical Education (1-3 cr.)** An in-depth study of a selected topic from the many areas that have contributed to the development of physical education in today's world. Topics will vary. Directed to upper-level students with a special interest in the topic presented.

**HPER-P 423 Financial Principles in Sport (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. An introduction to the basic financial and managerial accounting concepts necessary to be financially literate in the sport business industry. Examination of the various means for financing sport organizations.

**HPER-P 426 Sales Management in Sports (3 cr.)** The application of sales strategies to the sport industry.

**HPER-P 432 Sports Marketing Consulting Project (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Challenges senior-level students to apply what they have learned

to address a problem or situation presented by a sport organization. Students will follow a multiple step process to identify project objectives, collect and analyze data relevant to the problem or situation, and offer strategic recommendations that address the problem or are relevant to the situation.

**HPER-P 443 Internship in Physical Education (3 cr.)**

The penultimate capstone activity for the refinement of knowledge, skills, and program development for exercise science students.

**HPER-P 452 Motor Learning (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. An examination of factors that affect the acquisition and performance of motor skills. Topics include perception, psychomotor learning, practice methods, and theories of neuromuscular integration.

**HPER-P 493 Tests and Measurements in Physical Education (3 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Theory of measurement in physical education, along with selection and administration of appropriate tests, and interpretation of their results by fundamental statistical procedures.

**HPER-P 495 Laboratory Teaching in Physical Education Program (1 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Pre-practice teaching experience. Students assist and help teach activities in the Physical Education program. Student must have had a course in the teaching of chosen activity before they are allowed to enroll.

**HPER-P 497 Organizational and Curricular Structures of Physical Education K-12 (2 cr.)** P: Visit <http://petm.iupui.edu/academics/peprereq.php> for most updated information. Techniques in organization and development of all-grade curriculum in physical education. Development and implementation of extracurricular activities.

**HPER-P 498 Practicum in Physical Education and Athletics (1-3 cr.)** A practical learning experience in teaching and/or coaching under the guidance of faculty and supervisor. S/F grades.

**HPER-P 499 Research in Physical Education and Athletics (1-3 cr.)** This course is open to junior majors or minors in physical education.

**HPER-P 540 Recreational Sports Programming Administration (3 cr.)** The study of recreational sports (informal/intramural/extramural/club sports) relevant to historical developments, philosophical foundations, programming implications, administrative considerations, and creative activity.

**HPER-R 275 Dynamics of Camp Leadership (2 cr.)** Role of counselors in relation to objectives, organization, guidance, leadership skills, and program resources in organized camps.

**HPER-R 324 Recreational Sports Programming (3 cr.)** P: Junior (56-85 cr.) or Senior (86+ cr.) status. Overview of programmatic elements and techniques in recreational sports. Topics include informal, intramural, club, extramural and instructional sports programming; values of recreational sports; terminology and career opportunities in various recreational sport settings.

**HPER-R 423 Visitor Behavior (3 cr.)** Examines the theory and findings of visitor and tourism research as it is conducted in such recreation and leisure settings as parks, museums, towns, historic sites, sporting facilities, and resorts. Topics include visitor motivations, expectations, social interactions, and assessment. Students will learn nine techniques for gathering information from and about visitors.

**HPER-R 470 Professional Field Experience in Recreation (1-3 cr.)** P: Consent of instructor. Practical/applied field work in a Physical Education setting.

**HPER-R 474 Camping Leadership II (2 cr.)** Advanced camping with an emphasis on practical experience in a camp setting.