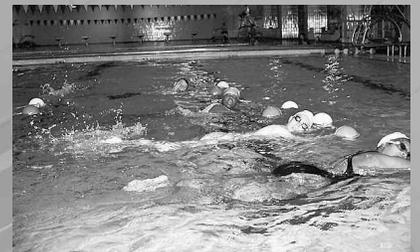


# INDIANA UNIVERSITY SCHOOL OF PHYSICAL EDUCATION AND TOURISM MANAGEMENT

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# 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 settled finally 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 and sports studies, sport management, athletic training, and pre-physical or occupational 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.

## Mission

The mission of the School of Physical Education and Tourism Management at Indiana University–Purdue University Indianapolis is to prepare students for entry-level positions and advanced study, to contribute to the body of knowledge through creative and scholarly activities, and to serve the profession and the community. Through collaboration and

interdisciplinary work with diverse populations, the School of Physical Education and Tourism Management strives to enhance wellness, to improve quality of life, and to encourage leisurely pursuits.

## Degrees

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 with pre-occupational therapy/ pre-physical therapy and premedical options, fitness studies, sport management, and teacher education with physical education only or with health education plus physical education**) and a variety of minors, endorsements, concentrations, 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 Intramural and Recreational Sports and the Department of Military Science also reside in the School of Physical Education and Tourism Management.

## Location

The School of Physical Education and Tourism Management and the Indiana University Natatorium share a \$21.5 million facility located at 901 W. 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 located on the deck level.

The concourse level of the physical education wing has a large gymnasium, an auxiliary gymnasium, racquetball courts, and a student lounge.

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 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.

## The Academic Program

### 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 four tracks (exercise science with pre-occupational and pre-physical therapy and pre-med options, fitness studies, sport management, and teacher education, physical education and health education), a certificate in personal training, and courses to meet credentialing requirements in driver education. A capstone practicum is a feature of each track: student teaching, for teacher education majors, or an internship, for majors in all other tracks. 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 letter grade of C or higher is required in ENG W131, ENG W231 and COMM R110, and none of these three courses may be taken by correspondence.

The **exercise science** track 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 studies** track is directed to those interested in personal fitness training, sports programming, entrepreneur activities related to fitness and sports, and related fields. The **sport management** track prepares the student for careers in the business and operational aspects of sporting activities. The **teacher education** track prepares the student 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 W131, ENG W231, and COMM R110. The degree programs require 600 hours of work experience in a preapproved tourism or hospitality organization. Students may complete the work experience with a paid or unpaid position.

## 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.

**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 Web site 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 (C+) 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 (C+). 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 (C+) average in any two consecutive semesters or when the cumulative GPA of the student who is on probation falls or remains below 2.2 (C+). 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 contact the dean of the school to obtain an Application for Reinstatement. 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 readmission must be filed at least two weeks before the first day of classes.

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 procedure 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, UC 002, (317) 274-5197, or the Office of the Dean of Students, AO 112, (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 application for the degree with the school approximately one year before the expected date of graduation. The school will not be responsible for the timely graduation of students who fail to meet this requirement.

**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.

## 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 with the School of Physical Education and Tourism Management Recorder's Office on the campus currently being attended.

**Permanent** To transfer permanently from one campus to another campus of Indiana University, the student must file an Intercampus Transfer Request with the School of Physical Education and Tourism Management Recorder's Office on the campus currently being attended. Advance notice is necessary to allow for the transfer of records and the validation of the student's eligibility to continue studies. Contact the School of Physical Education and Tourism Management Records Office for details and deadline dates.

## 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 student lounge on the concourse level or the office area on the bridge level of the Physical Education/Natatorium Building.

**Camp Brosius** In 1921 the School of Physical Education and Tourism Management established Camp Brosius at Elkhart Lake, Wisconsin, as a summer training camp for its physical education majors. The Indiana University School of Physical

Education and Tourism Management currently operates the camp, with IUPUI School of Physical Education and Tourism Management classes on site in mid-May and early June. Physical education majors attend Camp Brosius for one intensive summer session early in their academic careers at IUPUI. HPER P271 Individual Sports and HPER R275 Dynamics of Camp Leadership compose the course work for physical education majors. Majors in tourism, conventions, and event management take TCEM L391 Event Management Catering Laboratory and TCEM 306 Destination Management at Camp Brosius. Students majoring in physical education are expected to enroll for the required camp session following their first year of attendance at the school. TCEM students take their course work at Camp Brosius following their sophomore year. Orientation sessions are held each spring before the actual camp session.

## Internship Programs

### Internship Program in Exercise Science, Fitness Studies, and Sport Management

Students following the exercise science, fitness studies, and sport management tracks 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 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.

## Student Organizations

**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.

**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, 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.

**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.

**Indiana Association for Health, Physical Education, Recreation, and Dance and the American Alliance of Health, Physical Education, Recreation, and Dance** Students of 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.

**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.

**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.

## 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.

### Department of Physical Education Awards and Scholarships

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

**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.** One \$1,000 Frank and Loretta Feigl Scholarship is 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 the 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 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.

**The John Jordan Scholarship** Recognizes an outstanding active member who emulates John Jordan, an outstanding former member of 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.

**Phi Epsilon Kappa Scholarship Key Award** These awards are presented to undergraduate physical education majors who are outstanding scholars. The awards are of unique distinction and attest to the academic excellence of the students in the Department of Physical Education.

**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 in 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.

**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 the 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 who plan to teach physical education within the United States. Candidates must achieve a 3.0 or higher grade point average.

**Dr. Rudy Schreiber Scholarship** This scholarship recognizes a physical education major and member of Phi Epsilon Kappa for outstanding academic achievement.

**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, the 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) 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.

**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.

**Peter George Scholarship** This scholarship is awarded to a student with a GPA of 3.2 or higher who demonstrates leadership potential.

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

**Bill and Joan McGowan Scholarship** Recognizes a sophomore or junior with a cumulative GPA of 3.0 or higher who is currently working 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.

**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 Fofa 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.

**Leo and Mary Durbin Scholarship** This scholarship is awarded to a sophomore- or junior-level student who is currently working in the hospitality industry and has a cumulative 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 L391.

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

## Department of Physical Education Undergraduate Degree Programs

### Bachelor of Science—Physical Education

Each student will select one of the following tracks and will complete the requirements for that option: (1) exercise science (pre-occupational therapy, pre-physical therapy, and premedical options); (2) fitness studies; (3) sport management; and (4) teacher education (physical education and physical and health education options).

### Exercise Science Track (124-130 credits)

The exercise science track 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 L135 Learning Community: Phys Edu-Exer Sci (1 cr.)  
 HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER H363 Personal Health (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P200 Microcomputer Applications in Physical Education (3 cr.) (grade of C or higher required)  
 HPER P212 Introduction to Exercise Science (3 cr.)  
 HPER P215 Principles and Practice of Exercise Science (3 cr.)  
 HPER P244 Performance and Teaching of Cardiovascular Fitness (2 cr.)  
 HPER P245 Performance and Teaching of Resistance Training (2 cr.)  
 HPER P271 Individual Sports (1 cr.)  
 HPER P373 Progressive Resistance Exercise and Sports Conditioning (3 cr.)  
 HPER P374 Basic Electrocardiography for the Exercise Sciences (2 cr.)  
 HPER P391 Biomechanics (3 cr.)  
 HPER P393 Professional Practice Programs in Physical Education, Health, and Recreation (10 cr.)  
 HPER P403 Rhythmic Aerobic Training (3 cr.)  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations (3 cr.)  
 HPER P419 Fitness Testing and Interpretation (3 cr.)  
 HPER P421 Performance and Teaching of Activities for Persons with Disabilities (1 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER R275 Dynamics of Camp Leadership (2 cr.)  
**Total: 63-68 credit hours**

#### General-Education Requirements

**A. Humanities** (18 cr.)  
 COMM R110 Fundamentals of Speech Communication (3 cr.)  
 ENG W131 Elementary Composition (3 cr.)  
 ENG W231 Professional Writing Skills **or** BUS X204 Business Communications (3 cr.)

*A grade of C or higher is required in R110, W131, and W231 or BUS X204, and none of these three may be taken by correspondence.*

**Electives** Choose 9 credit hours from the following departments. At least one humanities elective must be from a department other than English or communications.

Art  
 Classical Studies  
 Communications

English  
 Folklore  
 Foreign Language  
 HPER: D101, D332, D441, P402  
 Journalism  
 Music  
 Philosophy  
 Religion

**B. Life Science and Mathematics** (30-35 cr.)  
 BIOL N217 Human Physiology (5 cr.) **or** BIOL N212+N213+N214+N215 Human Biology (8 cr.)  
 CHEM C101 Elementary Chemistry I (3 cr.)  
 CHEM C125 Elementary Chemistry I Lab (2 cr.)  
 HPER P205 Structural Kinesiology (3 cr.) **or** BIOL N261 Human Anatomy (5 cr.)  
 MATH 153 Algebra and Trigonometry I (3 cr.)  
 MATH 154 Algebra and Trigonometry II (3 cr.)  
 PHYS P218 General Physics I (4 cr.)  
 STAT 301 Statistics **or** PSY B305 Statistics (3 cr.)

**C. Social and Behavioral Sciences** (9 cr. minimum)

PSY B104 Psychology as a Social Science (3 cr.)  
**Electives** Choose two classes (6 cr.) from two different departments in this list:

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

**Total: 54-59 credit hours**

#### D. Electives

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

### Exercise Science/Pre-Occupational Therapy Track (124 credits)

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 L135 Learning Community: Phys Edu-Exer Sci (1 cr.)  
 HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER H363 Personal Health (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P200 Microcomputer Applications in Physical Education (3 cr.) (grade of C or higher required)  
 HPER P212 Introduction to Exercise Science (3 cr.)  
 HPER P215 Principles and Practice of Exercise Science (3 cr.)  
 HPER P244 Performance and Teaching of Cardiovascular Fitness (2 cr.)

HPER P245 Performance and Teaching of Resistance Training (2 cr.)  
 HPER P271 Individual Sports (1 cr.)  
 HPER P373 Progressive Resistance Exercise and Sports Conditioning (3 cr.)  
 HPER P374 Basic Electrocardiography for the Exercise Sciences (2 cr.)  
 HPER P391 Biomechanics (3 cr.)  
 HPER P393 Professional Practice Programs in Physical Education, Health, and Recreation (10 cr.)  
 HPER P403 Rhythmic Aerobic Training (3 cr.)  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations (3 cr.)  
 HPER P419 Fitness Testing and Interpretation (3 cr.)  
 HPER P421 Performance and Teaching of Activities for Persons with Disabilities (1 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER R275 Dynamics of Camp Leadership (2 cr.)  
**Total: 63 credit hours**

### General-Education Requirements

#### A. Humanities (14 cr.)

COMM R110 Fundamentals of Speech Communication (3 cr.)  
 ENG W131 Elementary Composition (3 cr.)  
 ENG W231 Professional Writing Skills **or** BUS X204 Business Communications (3 cr.)

*A grade of C or higher is required in R110, W131, and W231 or BUS X204, and none of these three may be taken by correspondence.*

CLAS C209 Medical Terminology (2 cr.)  
 PHIL P120 Ethics (3 cr.)

#### B. Life Science and Mathematics (32-35 cr.)

BIOL N261 Human Anatomy (5 cr.)\*  
 BIOL N217 Human Physiology (5 cr.) **or** BIOL N212+N213+N214+N215 Human Biology (8 cr.)\*  
 CHEM C105 Principles of Chemistry I (3 cr.)  
 CHEM C125 Principles of Chemistry I Lab (2 cr.)  
 MATH 153 Algebra and Trigonometry I (3 cr.)  
 MATH 154 Algebra and Trigonometry II (3 cr.)  
 PHYS P218 General Physics I (4 cr.)  
 STAT 301 Statistics **or** PSY B305 Statistics (3 cr.)\*

#### C. Social and Behavioral Sciences (12 cr.)

PSY B104 Psychology as a Social Science (3 cr.)  
 PSY B310 Life Span Development (3 cr.)  
 PSY B380 Abnormal Psychology (3 cr.)

*Elective:* select one course (3 credit hours) from Anthropology, Economics, Geography (nonphysical), History, Organizational Leadership, Political Science, Sociology, and Women's Studies

**Total: 55-61 credit hours**

#### 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-Med Track (133 credits)

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 L135 Learning Community: Phys Edu-Exer Sci (1 cr.)  
 HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER H363 Personal Health (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P200 Microcomputer Applications in Physical Education (3 cr.) (grade of C or higher required)  
 HPER P205 Structural Kinesiology (3 cr.)  
 HPER P212 Introduction to Exercise Science (3 cr.)  
 HPER P215 Principles and Practices of Exercise Science (3 cr.)  
 HPER P244 Performance and Teaching of Cardiovascular Fitness (2 cr.)  
 HPER P245 Performance and Teaching of Resistance Training (2 cr.)  
 HPER P271 Individual Sports (1 cr.)  
 HPER P373 Progressive Resistance Exercise and Sports Conditioning (3 cr.)  
 HPER P374 Basic Electrocardiography for the Exercise Sciences (2 cr.)  
 HPER P391 Biomechanics (3 cr.)  
 HPER P393 Professional Practice Programs in Physical Education, Health and Recreation (10 cr.)  
 HPER P403 Rhythmic Aerobic Training (3 cr.)  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations (3 cr.)  
 HPER P419 Fitness Testing and Interpretation (3 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER R275 Dynamics of Camp Leadership (2 cr.)

**Total: 65 credit hours**

### General-Education Requirements

#### A. Humanities (9 cr.)

COMM R110 Fundamentals of Speech Communication (3 cr.)  
 ENG W131 Elementary Composition (3 cr.)  
 ENG W231 Professional Writing Skills **or** BUS X204 Business Communications (3 cr.)

*A grade of C or higher required in R110, W131, and W231 or BUS X204, and none of these three may be taken by correspondence.*

#### B. Life Science and Mathematics (23 cr.)

BIOL K103 Concepts of Biology (5 cr.)  
 MATH 153 Algebra and Trigonometry I (3 cr.)  
 MATH 154 Algebra and Trigonometry II (3 cr.)  
 CHEM C105 Principles of Chemistry I (3 cr.)  
 CHEM C125 Principles of Chemistry I Lab (2 cr.)  
 PHYS 218 General Physics I (4 cr.)  
 STAT 301 Statistics **or** PSY B305 Statistics (3 cr.)

#### C. Social and Behavioral Sciences (6 cr.)

PSY B104 Psychology as a Social Science (3 cr.)  
 PSY B310 Lifespan Human Development (3 cr.)

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

CHEM C106 Principles of Chemistry II (3 cr.)  
 CHEM C126 Experimental Chemistry II (2 cr.)  
 CHEM C341 Organic Chemistry I (3 cr.)  
 CHEM C343 Organic Chemistry I (2 cr.)  
 CHEM C342 Organic Chemistry II (3 cr.)  
 BIOL K101 Concepts of Biology I (5 cr.)  
 PHYS P202 Physics (5 cr.)

### E. Additional Recommended Courses for Pre-Med Program (7-10 cr.)

AHLT W105 Medical Terminology or CLAS C209 (1-2 cr.)  
 PSY B380 Abnormal Psychology (3 cr.)  
 MATH 221 Calculus (3 cr.) **or** MATH 163 Integrated Calculus or Analytic Geometry (5 cr.) (C or better in MATH 154 required)

## Exercise Science/Pre-Physical Therapy Track (130 credits)

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.

### Physical Education Requirements

HPER L135 Learning Community: Phys Edu-Exer Sci (1 cr.)  
 HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER H363 Personal Health (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P200 Microcomputer Applications in Physical Education (3 cr.) (grade of C or higher required)  
 HPER P212 Introduction to Exercise Science (3 cr.)  
 HPER P215 Principles and Practice of Exercise Science (3 cr.)  
 HPER P244 Performance and Teaching of Cardiovascular Fitness (2 cr.)  
 HPER P245 Performance and Teaching of Resistance Training (2 cr.)  
 HPER P271 Individual Sports (1 cr.)  
 HPER P373 Progressive Resistance Exercise and Sports Conditioning (3 cr.)  
 HPER P374 Basic Electrocardiography for the Exercise Sciences (2 cr.)  
 HPER P391 Biomechanics (3 cr.)  
 HPER P393 Professional Practice Programs in Physical Education, Health, and Recreation (10 cr.)  
 HPER P403 Rhythmic Aerobic Training (3 cr.)  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations (3 cr.)

HPER P419 Fitness Testing and Interpretation (3 cr.)  
 HPER P421 Performance and Teaching of Activities for  
 Persons with Disabilities (1 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER R275 Dynamics of Camp Leadership (2 cr.)

**Total: 63 credit hours**

### General-Education Requirements

#### A. Humanities (18 cr.)

COMM R110 Fundamentals of Speech Communication  
 (3 cr.)  
 ENG W131 Elementary Composition (3 cr.)  
 ENG W231 Professional Writing Skills **or**  
 BUS X204 Business Communications (3 cr.)

*A grade of C or higher required in R110, W131, and  
 W231 or BUS X204, and none of these three may be  
 taken by correspondence.*

*Electives* Choose 9 credit hours from the following  
 departments. At least one humanities elective must  
 be from a department other than English or  
 communications.

Art  
 Classical Studies  
 Communications  
 English  
 Folklore  
 Foreign Language  
 HPER: D101, D332, D441, P402, or P411  
 Journalism  
 Music  
 Philosophy  
 Religion

#### B. Life Science and Mathematics (31-32 cr.)

BIOL N217 Human Physiology (5 cr.)  
 BIOL N261 Human Anatomy (5 cr.)  
 CHEM C105 Principles of Chemistry I (3 cr.)  
 CHEM C125 Experimental Chemistry I Lab (2 cr.)  
 MATH 153 Algebra and Trigonometry I (3 cr.)  
 MATH 154 Algebra and Trigonometry II (3 cr.)  
 PHYS P218 General Physics I (4 cr.)  
 STAT 301 Statistics **or** PSY B305 Statistics (3 cr.)

#### C. Social and Behavioral Sciences (9 cr. minimum)

PSY B104 Psychology as a Social Science (3 cr.)  
 PSY B310 Lifespan Human Development (3 cr.)

#### D. Additional Required Prerequisites for the Doctoral of Physical Therapy Program (9-10 cr.)

CHEM C106 Principles of Chemistry II (3 cr.)  
 CHEM C126 Experimental Chemistry II (2 cr.)  
 PHYS P202 General Physics II **or** PHYS P219 Physics II

*Electives* Choose a class (3 cr.) from two different  
 departments in this list:

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

**Total: 58 credit hours**

### E. Additional Recommended Courses for the Doctoral of Physical Therapy Program (not required for the Exercise Science degree) (5 cr.)

CLAS C209 Medical Terminology (2 cr.)  
 PSY B380 Abnormal Psychology (3 cr.)

#### F. Electives

Additional elective credits if needed to reach the  
 124 credit hours required for the degree.

### Fitness Studies Track (124 cr.)

This track 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 L135 Learning Community: Phys Edu-Exer Sci  
 (1 cr.)  
 HPER C416 Introduction to Health Counseling (3 cr.)  
 HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER H363 Personal Health (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P200 Microcomputer Applications in Physical  
 Education (3 cr.) (grade of C or higher required)  
 HPER P205 Structural Kinesiology (3 cr.)  
 HPER P212 Introduction to Exercise Science (3 cr.)  
 HPER P215 Principles and Practice of Exercise  
 Science (3 cr.)  
 HPER P244 Performance and Teaching of  
 Cardiovascular Fitness (2 cr.)  
 HPER P245 Performance and Teaching of Resistance  
 Training (2 cr.)  
 HPER P271 Individual Sports (1 cr.)  
 HPER P280 Athletic Training and Emergency Care  
 (2 cr.)  
 HPER P373 Progressive Resistance Exercise and  
 Sports Conditioning (3 cr.)  
 HPER P391 Biomechanics (3 cr.)  
 HPER P393 Professional Practice Programs in Physical  
 Education, Health, and Recreation (10 cr.)  
 HPER P402 Ethics in Sport (3 cr.)  
 HPER P403 Rhythmic Aerobic Training (3 cr.)  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P410 Physical Activity Programming for  
 Individuals with Disabilities and Other Special  
 Populations (3 cr.)  
 HPER P411 Legal Aspects of Sport and Risk  
 Management (3 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER P419 Fitness Testing and Interpretation (3 cr.)  
 HPER R275 Dynamics of Camp Leadership (2 cr.)

**Total: 72 credit hours**

#### General-Education Requirements

##### A. Humanities (15 cr.)

COMM C180 Introduction to Interpersonal  
 Communication (3 cr.)  
 COMM R110 Fundamentals of Speech Communication  
 (3 cr.)  
 ENG W131 Elementary Composition (3 cr.)  
 ENG W231 Professional Writing Skills **or** BUS  
 X204 Business Communications (3 cr.)

*A grade of C or higher is required in R110, W131,  
 and W231 or BUS X204, and none of these three  
 may be taken by correspondence.*

*Electives* Choose 9 credit hours from the following  
 departments. At least one humanities elective must  
 be from a department other than English or  
 communications.

Art  
 Classical Studies  
 Communications  
 English  
 Folklore  
 Foreign Language  
 HPER: D101, D332, D441  
 Journalism  
 Music  
 Philosophy  
 Religion

#### B. Science, Mathematics, and Technology (12-15 cr.)

BIOL N217 Human Physiology (5 cr.) **or** BIOL N212+  
 N213+N214+N215 Human Biology (8 cr.)  
 CPT 223 Web Page Design (3 cr.) **or** CSCI N241 Web  
 Page Design (3 cr.)  
 MATH 110 Algebra (4 cr.) **or** more advanced  
 mathematics course

#### C. Social and Behavioral Sciences (9 cr. minimum)

ANTH A104 Culture and Society (3 cr.) *or* similar  
 cross-cultural course approved in advance  
 PSY B104 Psychology as a Social Science (3 cr.)

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

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

**Total: 44-45 credit hours**

### Sport Management Track (124 credits)

This program will lead to a Bachelor of Science in  
 Physical Education degree. Included in this track 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 Web site,  
[kelley.iupui.edu/undergrad/Curriculum.cfm](http://kelley.iupui.edu/undergrad/Curriculum.cfm).

#### Physical Education Requirements

HPER L135 Learning Community: Phys Edu-Exer Sci  
 (1 cr.)  
 HPER A484 Interscholastic Athletic Administration  
 (3 cr.)  
 HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER H363 Personal Health (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P200 Microcomputer Applications in Physical  
 Education (3 cr.) (grade of C or higher required)  
 HPER P205 Structural Kinesiology (3 cr.)  
 HPER P212 Introduction to Exercise Science (3 cr.)  
 HPER P215 Principles and Practice of Exercise  
 Science (3 cr.)  
 HPER P280 Athletic Training and Emergency Care  
 (2 cr.)

HPER P333 History of Sports (3 cr.)  
 HPER P391 Biomechanics (3 cr.)  
 HPER P392 Sport in American Society (3 cr.)  
 HPER P393 Professional Practice Programs in Physical Education, Health, and Recreation (10 cr.)  
 HPER P402 Ethics in Sport  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P411 Legal Aspects of Sport and Risk Management (3 cr.)  
 HPER P419 Fitness Testing and Interpretation (3 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER P271 Individual Sports (1 cr.)  
 HPER R275 Dynamics of Camp Leadership (2 cr.)  
 HPER R324 Recreational Sports Programming (3 cr.)  
 HPER Facilities Course (currently offered as P421) (3 cr.)  
 TCEM 231 Hospitality and Tourism Marketing (3 cr.)  
 or BUS M300 Introduction to Marketing (3 cr.)  
 TCEM 319 Management of Sports Events (3 cr.)

**Total: 61 credit hours**

### Business Requirements

Business Minor or Certificate from Kelley School of Business (21 cr.)

**Total: 21 credit hours**

### General-Education Requirements

#### A. Humanities (12 cr.)

COMM C180 Introduction to Interpersonal Communication (3 cr.)  
 COMM R110 Fundamentals of Speech Communication (3 cr.)  
 ENG W131 Elementary Composition (3 cr.)  
 ENG W231 Professional Writing Skills or BUS X204 Business Communications (3 cr.)

*A grade of C or higher is required in R110, W131, and W231 or BUS X204, and none of these three may be taken by correspondence.*

*Electives* Choose 3 credit hours from the following departments.

Art  
 Classical Studies  
 Communications  
 English  
 Folklore  
 Foreign Language  
 HPER: D101, D332, D441  
 Journalism  
 Music  
 Philosophy  
 Religion

#### B. Science, Mathematics, and Technology (11 cr.)

BIOL N214 Human Biology II (3 cr.) and BIOL N215 Human Biology II Lab (1 cr.)  
 HPER P200 Computer Applications in Physical Education (3 cr.) or BUS K201 The Computer in Business (3 cr.)\*

MATH 110 Algebra (4 cr.) or more advanced mathematics course

#### C. Social and Behavioral Sciences (9 cr. minimum)

PSY B104 Psychology as a Social Science (3 cr.)  
 SOC R100 Introduction to Sociology (3 cr.)

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

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

**Total: 35 credit hours**

### D. Electives (if needed to attain the 124 credit hours required for this degree)

**Recommended: OLS and TCEM courses**

## Teacher Education Physical Education and Health Education Track (146 credits)

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 dance class (1 cr.)* Select from ballet, folk, jazz, modern, social/ballroom, tap, world dance. Kickboxing, aerobics, and group exercise credit will not satisfy this requirement.

*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 L135 Learning Community: Phys Educ-Exer Sci (1 cr.)  
 HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER H163 Introduction to Health Education (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P133 Teaching Individual and Dual Sport Activities (2 cr.)  
 HPER P156 Teaching Team Sport Activities (2 cr.)  
 HPER P195 History and Principles of Physical Education (3 cr.)  
 HPER P200 Microcomputer Applications in Physical Education (3 cr.) (grade of C or higher required)  
 HPER P204 Motor Development (3 cr.)  
 HPER P205 Structural Kinesiology (3 cr.)  
 HPER P215 Principles and Practice of Exercise Science (3 cr.)  
 HPER P224 Teaching of Dance Activities (2 cr.)  
 HPER P244 Performance and Teaching of Cardiovascular Fitness (2 cr.)  
 HPER P245 Performance and Teaching of Resistance Training (2 cr.)  
 HPER P271 Individual Sports (1 cr.)  
 HPER P258 Activities People Special Needs (1 cr.)  
 HPER P290 Movement Experiences for Preschool and Elementary Children (2 cr.)  
 HPER P390 Growth and Motor Performance of School-Age Youth, K-12 (2 cr.)  
 HPER P397 Kinesiology (3 cr.)

HPER P398 Adapted Physical Education (3 cr.)  
 HPER P405 Introduction to Sport Psychology (3 cr.)  
 HPER P409 Basic Physiology of Exercise (3 cr.)  
 HPER P411 Legal Issues in Sports Setting (3 cr.)  
 HPER P452 Motor Learning (3 cr.)  
 HPER P493 Tests and Measurements in Physical Education (3 cr.)  
 HPER P495 Laboratory Teaching in Physical Education Program (1 cr.)  
 HPER P497 Organizational and Curricular Structures of Physical Education K-12 (2 cr.)  
 HPER R275 Dynamics of Camp Leadership (2 cr.)  
 HPER F255 Human Sexuality (3 cr.)  
 HPER H317 Special Topics: Instructional Strategies in Health Education (3 cr.)  
 HPER H318 Drugs and American Society (3 cr.) or HPER H517 Student Assistance Program I (3 cr.)  
 HPER H464 Curriculum and Coordination of School Health Program (3 cr.)

*Health elective: Select 6 credits from HPER F258 Marriage and Family; H180 Stress Prevention/Management, H317 Health/Wellness Summer Institute, H414/515 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.)

COMM R110 Fundamentals of Speech Communication (3 cr.)  
 ENG W131 Elementary Composition (3 cr.)  
 ENG W231 Professional Writing Skills or BUS X204 Business Communications (3 cr.)

*A grade of C or higher is required in R110, W131, and W231 or BUS X204, and none of these three may be taken by correspondence.*

#### B. Life Science and Mathematics (8 cr.)

BIOL N214+N215 Human Biology (4 cr.)  
 MATH 111 Algebra (4 cr.) or more advanced mathematics course

#### C. Social and Behavioral Sciences (9 cr. minimum)

ANTH A104 Culture and Society (3 cr.) or similar cross-cultural course approved in advance  
 PSY B104 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

\*HPER P200 may substitute for BUS K201 in the Business Minor; BUS K201 is required for the Business Certificate.

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 M301 Diversity and Learning Field Experience (1 cr.)  
 EDUC M303 Teaching and Learning in the Middle School Field Experience (1 cr.)  
 EDUC M322 Diversity and Learning: Reaching Every Adolescent (6 cr.)  
 EDUC M408 Methods of Teaching Physical Education Field Experience (1 cr.)  
 EDUC M425 Student Teaching in the Elementary School (8 cr.) **or** EDUC M451 Student Teaching in Junior High/Middle School (8 cr.)  
 EDUC M451 Student Teaching/Secondary School (8 cr.)  
 EDUC M456 Methods of Teaching Physical Education (3 cr.)  
 EDUC M469 Content Area Literacy (3 cr.)  
 EDUC S420 Teaching and 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

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, 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 (22-27 cr.)

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

#### Required Courses

- HPER P205 Structural Kinesiology (3 cr.) **or** BIOL N261 Human Anatomy (5 cr.)  
 HPER D201 Modern Dance Workshop I (1 cr.)  
 HPER D201 Modern Dance Workshop II (1 cr.)  
 HPER D221 Dance Composition I (1 cr.)  
 HPER D332 Dance and the Allied Arts II (3 cr.)  
 HPER D441 Dance Production I (2 cr.)

*Choose one group of three courses:*

- HPER D202 Intermediate Ballet (1 cr.) *and*  
 HPER D218 Modern Jazz Dance Technique (1 cr.) *and* HPER E255 Modern Dance—Intermediate (1 cr.)  
**or**  
 HPER D211 Advanced Technique I (2 cr.) *and*  
 HPER D212 Advanced Technique II (2 cr.) *and*  
 HPER E355 Modern Dance I—Advanced (1 cr.)

*Choose one:*

- HPER D351 Teaching of Modern Dance (1 cr.) **or**  
 HPER P110 Dance in Elementary Education (2 cr.) **or**  
 HPER P210 Dance in Secondary Education (2 cr.) **or**  
 HPER P495 Laboratory Teaching in Physical Education Program (1 cr.)

A minimum of 6 elective credit hours are required in addition to the above courses.

### Coaching Endorsement

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

### Driver Education (12 cr.)

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

The driver education program prepares students to teach driver education in secondary schools and in

commercial driving schools. Students in any degree program as well as nondegree students are eligible to pursue driver education instructor credentials. To teach driver education in commercial schools, individuals must have taken the courses listed below (12 credits), have earned at least 60 college credits (may include the 12 credit hours listed below), and do not need to hold a teaching license. The driver education curriculum is offered in summer only.

- HPER S360 Highway Safety Administration (3 cr.)  
 HPER S441 Readings in Safety Education (2 cr.)  
 HPER S456 Traffic Safety Education for Teachers (4 cr.)  
 HPER S458 Driver Education Multiple Instruction Techniques (3 cr.)

### Certificate in Personal Training (19-21 cr.)

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, in good academic standing (2.0 GPA), completion of ENG W131 Elementary Composition I or equivalent with a grade of C or higher, completion of COMM R110 Fundamentals of Speech Communication or equivalent with a grade of C or higher.

- HPER H160 First Aid and Emergency Care (3 cr.)  
 HPER N220 Nutrition for Health (3 cr.)  
 HPER P205 Structural Kinesiology (3 cr.) **or** BIOL N261 Human Anatomy (5 cr.)  
 HPER P215 Principles and Practices of Exercise Science (3 cr.)  
 HPER P244 Performance and Teaching of Cardiovascular Fitness (2 cr.)  
 HPER P245 Performance and Teaching of Resistance Training (2 cr.)  
 HPER P373 Progressive Resistance Exercise and Sports Conditioning (3 cr.)

# Department of Physical Education Graduate Degree Program

## Master of Science—Physical Education

The Indiana University School of Physical Education and Tourism Management at Indiana University—Purdue University Indianapolis offers a Master of Science degree in Physical Education. This degree will provide students with a multidisciplinary and in-depth understanding of physical education and its related fields. The objectives of the program are (1) to create course work 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.

### Application for Admission

For application requirements and procedures, contact the recorder of the School of Physical Education and Tourism Management, 901 W. New York Street, Indianapolis, IN 46202 or call (317) 274-4329.

### Admission Requirements

Students entering the graduate program must have a bachelor's degree in physical education, exercise science, sport management, or a related area; have completed undergraduate work with a minimum grade point average (GPA) of 2.8 on a 4.0 scale; and have appropriate scores on the Graduate Record Examination (GRE). Students who have a bachelor's degree in an unrelated area or discipline may be granted admission upon the completion of a series of undergraduate courses to be determined by the admission committee. Minimum requirements include the completion of HPER P215 Principles and Practice of Exercise Science (3 cr.); BIOL N217 Human Physiology (5 cr.) or BIOL N212-N213-N214-N215 Human Biology I and II (8 cr.); BIOL N261 Human Anatomy (5 cr.) or HPER P205 Structural Kinesiology (3 cr.); HPER P391 Biomechanics (3 cr.); and HPER P409 Basic Physiology of Exercise (3 cr.).

### Admission Process

The applicant must submit the following materials to be considered for admission to the Master of Science program:

1. The Master of Science in Physical Education application form.
2. A Graduate and Professional Application Data sheet from the IUPUI Graduate School.
3. A 200- to 300-word candidate statement indicating areas of interest and professional goals.
4. Three reference letters from individuals who have sufficient knowledge to evaluate the applicant's ability to be successful in graduate work.
5. One official transcript for all previous college and university work, including degrees awarded.

If the applicant has completed course work from any campus of Indiana University, transcripts from that work are not required.

6. Scores from the Graduate Record Examination (GRE).
7. A nonrefundable application fee.
8. 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.
9. Send all materials to Recorder, School of Physical Education and Tourism Management, 901 W. New York Street, Indianapolis, IN 46202. All materials submitted for the application process become the property of the university and will not be returned. Applications will not be considered until all materials have been submitted.

### Admission Status

An applicant for admission into the graduate program in the School of Physical Education and Tourism Management will be classified in one of the following admission categories:

1. **Unconditional** Applicants in this category have met all of the requirements for admission into the program and may begin course work immediately.
2. **Conditional** The applicant is admitted provisionally, pending the completion of certain course prerequisites.
3. **Denied** The applicant is denied regular admission into the program and may not pursue the degree at this time. Reconsideration of the application can be requested if new evidence is presented to the admission committee. If that new evidence includes graduate course work taken at Indiana University or another accredited institution, that course work will not usually be accepted toward the degree if the student is subsequently accepted.
4. **Nondegree** Students who hold a bachelor's degree who wish to pursue advanced study may do so as an adult nondegree student in the School of Physical Education and Tourism Management. These students will need to complete an abbreviated application for admission. Nondegree students must obtain permission each semester to enroll in classes. If a nondegree student later applies for unconditional admission in order to complete a degree, no more than 9 credit hours taken before formal admission may be applied toward the degree.

### Academic Regulations

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 15-hour core of major topics in physical education and human performance and an additional 20 hours of elective courses, a minimum of 9 of which must be completed in the School of Physical Education and Tourism Management.

### Core Courses (15 cr.)

#### Exercise Science

HPER K525 Psychological Found. of Exercise and Sport (3 cr.)

HPER K530 Mechanical Analysis of Human Performance (3 cr.)

HPER K535 Physiological Basis of Human Performance (3 cr.)

HPER K552 Adapted Physical Education (3 cr.)

HPER T590 Introduction to Research in HPER (3 cr.)

#### Curriculum and Teaching

HPER K510 Qualitative Analysis of Sport (3 cr.)

HPER K541 Motor Development (3 cr.)

HPER K552 Adapted Physical Education (3 cr.)

HPER K561 Health and Fitness Assessment (3 cr.)

HPER T590 Introduction to Research in HPER (3 cr.)

### 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

At least six months before the date of expected graduation from the Master of Science program, the student should file an application for graduation with the School of Physical Education and Tourism Management Recorder, Room 254, 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.

# Department of Tourism, Conventions, and Event Management (TCEM) Degree Programs

## Bachelor of Science in Tourism, Conventions, and Event Management – 124 credit hours (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. ENG W231, COMM R110, and ENG W131 must be completed with a C or higher.

### General-Education Requirements (39 credit hours)

ENG W231 Professional Writing Skills (3 cr.)  
 COMM R110 Fundamentals of Speech Communication (3 cr.)  
 ECON E201 Economics (3 cr.)  
 ENG W131 Elementary Composition I (3 cr.)  
 GEOG G110 Introduction to Human Geography (3 cr.)  
 GEOG elective (300 level) (3 cr.)  
 TCEM 309 Cruise Line Management (3 cr.) **or**  
 TCEM 482 Travel to Exotic Destinations (3 cr.)  
 PSY elective (300 level) (3 cr.)  
 PSY B104 Psychology as a Social Science (3 cr.)  
 STAT 113 Statistics and Society (3 cr.)  
 STAT 301 Elementary Statistics Methods I (3 cr.)  
 Foreign Language (6 cr.)

### Major Requirements (73 credit hours)

TCEM 100 Introduction to Tourism and Hospitality Management (3 cr.)  
 TCEM 110 College Life Orientation (1 cr.)  
 TCEM 119 Travel Career Development (3 cr.)  
 TCEM 141 Financial Accounting for the Service Industries (3 cr.)  
 TCEM 171 Introduction to Convention/Meeting Management (3 cr.)  
 TCEM 172 The Development and Management of Attractions (3 cr.)  
 TCEM 181 Front Office Operations (3 cr.)  
 TCEM 212 Tourism and Hospitality Management Principles (3 cr.)  
 TCEM 231 Tourism and Hospitality Marketing (3 cr.)  
 TCEM 241 Financial Analysis and Decision Making in Tourism and Hospitality Operations (3 cr.)  
 TCEM 271 Mechanics of Meeting Planning (3 cr.)

TCEM 272 The Tourism System (3 cr.)  
 TCEM 306 Destination Development (3 cr.)  
 TCEM 310 Special Event Management (2 cr.)  
 TCEM L310 Special Event Management Laboratory (3 cr.)  
 TCEM 312 Human Resource Management for the Service Industries (3 cr.)  
 TCEM 319 Management of Sport Events (3 cr.)  
 TCEM 334 Cultural Heritage Tourism (3 cr.)  
 TCEM 352 Promotional Communications (3 cr.)  
 TCEM 362 Economics of Tourism (3 cr.)  
 TCEM 372 Global Tourism Geography (3 cr.)  
 TCEM 387 Tourism Internship (2 cr.)  
 TCEM 391 Event Catering Management (2 cr.)  
 TCEM L391 Event Catering Management Laboratory (1 cr.)  
 TCEM 411 Hospitality Law (3 cr.)  
 TCEM 461 Tourism Research and Planning Development (3 cr.)  
 TCEM 472 Global Tourism (3 cr.)  
 TCEM 499 Operational Analysis (3 cr.)

### Electives (12 credit hours)\*

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

**Total: 124 credit hours**

## Cultural Heritage Tourism Certificate (IU)

Completion of the courses below with a grade of C or higher within a five-year period will qualify an IUPUI degree-seeking student or graduate nondegree student to be awarded a Cultural Heritage Tourism Certificate.

TCEM 172 The Development and Management of Attractions (3 cr.)  
 TCEM 231 Marketing Tourism and Hospitality (3 cr.)  
 TCEM 272 The Tourism System (3 cr.)  
 TCEM 302 Hospitality/Tourism Industry (3 cr.)  
 TCEM 334 Cultural Heritage Tourism (3 cr.)  
 TCEM 372 Global Tourism Geography (3 cr.)  
 TCEM 387 Tourism Internship (2 cr.)  
 TCEM 472 Global Tourism Seminar (3 cr.)

**Total: 23 credit hours**

## Food Production Management Certificate (Purdue)

Completion of the courses below with a grade of C or higher within a five-year period will qualify an IUPUI degree-seeking student or a graduate nondegree student to be awarded a Food Production Management Certificate.

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 387 Industry Internship (2 cr.)  
 TCEM 391 Event Catering Management (2 cr.)  
 TCEM L391 Event Catering Management Laboratory (1 cr.)

**Total: 20 credit hours**

## Lodging Management Certificate (Purdue)

Completion of the courses below with a grade of C or higher within a five-year period will qualify an IUPUI degree-seeking student or a graduate nondegree student to be awarded a Lodging Management Certificate.

TCEM 181 Front Office Operations (3 cr.)  
 TCEM 191 Sanitation and Health in Food Service, Lodging, and Tourism (3 cr.)  
 TCEM 212 Tourism and Hospitality Management Principles (3 cr.)  
 TCEM 214 Mechanics of Meeting Planning (3 cr.)  
 TCEM 281 Hotel Management (3 cr.)  
 TCEM 371 Convention and Meeting Sales (3 cr.)  
 TCEM 385 Beer and Spirits Management (3 cr.)  
 TCEM 387 Tourism Internship (2 cr.)

**Total: 23 credit hours**

## Beverage Management Certificate (Purdue)

Completion of the courses below with a grade of C or higher within a five-year period will qualify an IUPUI degree-seeking student or a graduate nondegree student to be awarded a Beverage Management Certificate.

TCEM 218 Wines of the World (3 cr.)  
 TCEM 308 Wine Selection (3 cr.)  
 TCEM 318 Wine Appreciation (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 grade of C or higher within a five-year period will qualify an IUPUI degree-seeking student or graduate nondegree student to be awarded an Events Management Certificate.

TCEM 171 Introduction to Convention/Meeting Management (3 cr.)  
 TCEM 271 Mechanics of Meeting Planning (3 cr.)  
 TCEM 310 Special Event Management (3 cr.)  
 TCEM 319 Management of Sport Events (3 cr.)  
 TCEM 329 Management of Sporting Events (3 cr.)  
 TCEM 371 Convention and Meeting Sales (3 cr.)  
 TCEM 377 Exhibit Marketing (3 cr.)  
 TCEM 387 Tourism Internship (1 cr.)  
 TCEM 471 International Meeting Planning (3 cr.)

**Total: 25 credit hours**

## Health Tourism Certificate

TCEM 172 The Development and Management of Attractions (3 cr.)  
 TCEM 231 Hospitality and Tourism Marketing (3 cr.)  
 TCEM 272 The Tourism System (3 cr.)  
 TCEM 387 Tourism Internship (1 cr.)  
 FN 315 Fundamentals of Nutrition (3 cr.)  
 HPER P212 Introduction to Exercise Science (3 cr.)  
 HPER H318 Drug Use in American Society (3 cr.)  
 HPER H363 Personal Health (3 cr.)

**Total: 22 credit hours**

## Travel Planning Certificate

TCEM 119 Travel Career Development (3 cr.)  
 TCEM 231 Hospitality and Tourism Marketing (3 cr.)  
 TCEM 272 The Tourism System (3 cr.)  
 TCEM 309 Cruise Line Management (3 cr.)  
 TCEM 373 Global Tourism Geography (3 cr.)  
 TCEM 382 Popular Travel Trends (3 cr.)  
 TCEM 482 Travel to Exotic Destinations (3 cr.)  
 GEOG G130 World Geography (3 cr.)

**Total: 24 credit hours**

## Sports Tourism Development

TCEM 231 Tourism and Hospitality Marketing (3 cr.)  
 TCEM 272 The Tourism System (3 cr.)  
 TCEM 319 Management of Sports Events (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 P331 Planning and Operations of Sports Facilities (3 cr.)  
 HPER P333 History of Sport (3 cr.)  
 HPER P392 Sport in American Society (3 cr.)

To record progress toward completion of any of the certificates, an application must be filed with the school records office upon enrollment in the first course, and updated with enrollment in each of the other five courses.

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

## 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.

# Department of Physical Education (HPER) Courses

The courses listed below represent the most frequent offerings of the School of Physical Education and Tourism 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.

## Professional Preparation Program in Physical Education

**A361 Coaching of Football (1.5 cr.)** Fundamentals of offensive and defensive line and backfield play; technique of forward passing; outstanding rules; offensive plays; most frequently used defenses.

**A362 Coaching of Basketball (1.5 cr.)** Fundamentals of basket shooting, passing, ball handling, and footwork; patterns against man-to-man defense, zone defense, and zone pressure defense—full court and half court. Strategy of playing regular season and tournament play. Psychology of coaching.

**A363 Coaching of Baseball (2 cr.)** Fundamentals of pitching, catching, batting, base running, infield and outfield play; offensive and defensive strategy; organization and management.

**A484 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.

**F255 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.

**F258 Marriage and Family Interaction (3 cr.)** Basic personal and social factors that influence the achievement of satisfying marriage and family experiences.

**H160 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.

**H180 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.

**H195 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.

**H305 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.

**H317 Special Topics (3 cr.)** Topical seminar in health education.

**H318 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.

**H363 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.

**H464 Organization of Health Education (3 cr.)** P: H363 or consent of instructor. 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.

**H465 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.

**N220 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.

**P195 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.

**P200 Microcomputer Applications in Physical Education (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.

**P204 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.

**P205 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.

**P212 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.

**P215 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.

**P224 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 nonlocomotor skills as well as experiences in creative movement activities. Instruction in rhythmic movement progressions and development of materials for unit plans.

**P244 Performance and Teaching**

**of Cardiovascular Fitness (2 cr.)** This course will focus on teaching cardiovascular fitness activities in physical education settings. These concepts will be covered: aerobic fitness, fitness prescription, training principles, fitness infusion into traditional activities, lifetime fitness activities (youth through older adults), and safety. Emphasis on lesson planning and pedagogy.

**P245 Performance and Teaching of Resistance Training (2 cr.)**

This course will focus on teaching resistance training in physical education settings. These concepts will be covered: basic muscle anatomy, equipment and facility safety, proper applications and techniques, etiquette, equipment options, considerations for youth through older adults. Emphasis on lesson planning and pedagogy.

**P258 Performance and Teaching of Activities for Persons with Disabilities (1 cr.)**

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

**P271 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.

**P280 Principles of Athletic Training and Emergency Care (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.

**P290 Movement Experiences for Preschool and Elementary Children (2 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.

**P324 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.

**P327 Administration, Maintenance, and Construction of Aquatic Facilities (3 cr.)**

Information in pool management, maintenance, and construction with emphasis on the newest design, information, and construction techniques.

**P331 Planning and Operation of Sport Facilities**

**(3 cr.)** Introduction to the various methods of planning and operating sport facilities.

**P333 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.

**P373 Progressive Resistance Exercise and Sports Conditioning (3 cr.)**

P: BIOL N261 or equivalent is recommended. 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.

**P374 Basic Electrocardiography for the Exercise Sciences (2 cr.)**

Introduction to the basic concepts, theory, and interpretation of electrocardiograms (ECG/EKG) and their uses in fitness programs that deal with healthy people and with cardiac rehabilitation patients.

**P390 Growth and Motor Performance of School-Age Youth K–12 (2 cr.)**

A study of growth and developmental characteristics of school-age youth. Emphasis is placed on motor development and movement performance, and the relationship to cognitive and affective behavior. Supervised teaching experiences are an integral part of the course.

**P391 Biomechanics (3 cr.)** 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.

**P392 Sport in American Society (3 cr.)**

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.

**P393 Professional Practice Programs in Physical Education, Health, and Recreation (3-10 cr., arranged)**

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 a quality career-related work experience. Evaluation by employer and faculty sponsor.

**P398 Adapted Physical Education (3 cr.)**

P: P397 and BIOL N261. 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.

**P399 Practicum in Adapted Physical Education (1-2 cr.)**

P: P398. A practical learning experience in adapted physical education with children with disabilities. Course may be repeated.

**P402 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.

**P403 Rhythmic Aerobic Training (3 cr.)**

P: P397 and BIOL N261. 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 and how they are used to create modes of rhythmic aerobic training used in group and individual exercise programs.

**P405 Introduction to Sport Psychology (3 cr.)**

P: an introductory psychology course. Theory and practical application of psychology to learning, teaching, and coaching of movement and sport skills.

**P409 Basic Physiology of Exercise (3 cr.)**

P: BIOL N217 and BIOL N261. A survey of human physiology parameters as related to physical exercise and work and the development of physiological fitness factors. Physiological foundations will be considered.

**P410 Physical Activity Programming for Individuals with Disabilities and Other Special Populations (3 cr.)**

P: P409. 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.

**P411 Legal Aspects and Risk Management in Sport Settings (3 cr.)**

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.

**P419 Fitness Testing and Interpretation (3 cr.)**

P: P409. Provides a knowledge base and practical experiences in fitness testing, assessment, and exercise programming.

**P421 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.

**P443 Internship in Physical Education (3 cr.)**

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

**P452 Motor Learning (3 cr.)**

P: junior or senior standing; BIOL N261 and BIOL N217. 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.

**P475 Motor Assessment and Service Delivery for Children, Youth, and Adults with Disabilities (3 cr.)** Selecting and applying appropriate evaluation techniques for individuals with disabilities. Using assessment results to plan and implement appropriate physical activity programs. Service delivery models for physical education in public school and community settings, including consulting and conferencing skills.

**P493 Tests and Measurements in Physical Education (3 cr.)** Theory of measurement in physical education, along with selection and administration of appropriate tests, and interpretation of their results by fundamental statistical procedures.

**P495 Laboratory Teaching in Physical Education Program (1 cr.)** P: P290 and consent of school. Prepractice teaching experience. Students assist and help teach activities in the Physical Education Program. Student must have had a course in the teaching of the chosen activity before they are allowed to enroll.

**P497 Organizational and Curricular Structures of Physical Education K–12 (2 cr.)** Techniques in organization and development of all-grade curriculum in physical education. Development and implementation of extracurricular activities.

**P498 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. Grade S/E.

**P499 Research in Physical Education and Athletics (cr. arr.)** This course is open to junior majors or minors in physical education.

**P540 Recreational Sports 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.

**R275 Dynamics of Camp Leadership (2 cr.)** Role of counselors in relation to objectives, organization, guidance, leadership skills, and program resources in organized camps.

**R324 Recreational Sports Programming (3 cr.)** 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.

**R423 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.

**R470 Professional Field Experience in Recreation (1-3 cr.)** P: consent of instructor. Practical/applied field work in a HPER setting.

**R474 Camping Leadership II (2 cr.)** Advanced camping with an emphasis on practical experience in a camp setting.

**S360 Highway Safety Administration (3 cr.)** Introduction to the organization and structure of both U.S. and Indiana highway traffic safety systems. Emphasis is placed on system actors, agency responsibilities, the pervasiveness of motor accidents and their consequences, and system responses to reduce the frequency and severity of motor vehicle crashes.

**S441 Readings in Safety Education (2 cr.)** In-depth readings related to a specific safety education topic.

**S456 Traffic Safety Education for Teachers (4 cr.)** Materials and methods for high school classroom and practice driving instruction. Psychophysical limitations of drivers, driving procedures, car procurement, scheduling, public relations, maintenance, pedestrian protection, skill exercises, and road training. Students teach beginning drivers. Driver's license required. May be taken for graduate credit.

**S458 Driver Education Multiple Instruction Techniques (3 cr.)** Multimedia techniques, methods, and materials of instruction, including multimedia systems and driving simulators. Multiple-car methods of instruction, including the design and operation of off-street driving ranges. Open only to juniors, seniors, and graduate students who will be completing certification in the field of driver education. May be taken for graduate credit.

## Graduate Physical Education Courses

**A642 Internship in Athletics (1, 2, 3, and 4 cr.)** Credit for practical learning experiences as well as quality career-related work experiences.

**H510 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.

**H517 Workshop in Health Education (1-3 cr.)** Interesting topics of relevance to individuals in school and 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.

**K500 Special Topics in Physical Education (1-3 cr.)** Selected topics in physical education.

**K506 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.

**K510 Administrative Theory of Competitive Sport Programs (3 cr.)** Organization of high school athletics with reference to national, state, and local control. Staff, program, budget, health and safety, facilities, and other phases of administration.

**K511 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.

**K525 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.

**K530 Mechanical Analysis of Human Performance (3 cr.)** P: ANAT A215 or equivalent; PHYS P201 recommended. Newtonian mechanics applied to human movement. Analysis of sports techniques.

**K533 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.

**K535 Physiological Basis of Human Performance (3 cr.)** P: PHYS P215 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.

**K541 Nature and Basis of Motor Skills (3 cr.)** An overview of neural mechanisms underlying motor control. Application of neurophysiological principles to human motor performance.

**K552 Problems in Adapted Physical Education (3 cr.)** A study of problems as they relate to philosophy, procedures, and practices in adapted physical education.

**K571 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.

**K572 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.

**K576 Measurement and Evaluation in Physical Education (3 cr.)** Theory of measurement in physical education, along with selection and administration of appropriate tests, and interpretation of results by statistical procedures. Project required to apply the theories involved.

**K601 Readings in Kinesiology (cr. arr.)** P: graduate GPA of at least 3.0. Guided readings for broadening information about and understanding of the profession.

**K602 Independent Study and Research (cr. arr.)**  
P: graduate GPA of at least 3.0. Independent research conducted under the guidance of a graduate faculty member.

## Elective Physical Education Program

**D101 Beginning Ballet I (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.

**D110 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.

**D201 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.

**D202 Intermediate Ballet (1 cr.)** This course is a continuation of HPER D101 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.

**D211 Advanced Technique I (2 cr.)** P: E355 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.

**D212 Advanced Technique II (2 cr.)** P: D211. An extension of principles examined in D211 through the use of longer and more complex movement sequences, with an emphasis on style and performance.

**D218 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.

**D221 Dance Composition I (2 cr.)** P: E255 or E355. Through problem-solving assignments and appropriate dance composition, tools for discovering movement will be developed.

**D332 Dance and the Allied Arts II (3 cr.)**  
P: consent of instructor. Historical development of dance and related art forms, Renaissance through contemporary.

**D351 Teaching of Modern Dance (1 cr.)** P: D221. Study of various approaches, methods, and materials for teaching dance at the secondary level, including procedures for evaluation.

**D421 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.

**D441 Dance Production I (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.

**E100 Experiences in Physical Activity (1 cr.)** Any of a series of courses in new and developing fitness and activity areas.

**E102 Group Exercise (1 cr.)** A total fitness class that emphasizes cardiorespiratory conditioning, flexibility, muscular endurance, and coordination through rhythmical body movement. Graded S/F.

**E105 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.

**E109 Ballroom and Social Dance (1 cr.)**  
Instruction in the techniques of ballroom dance including fox trot, waltz, cha-cha, tango, rumba, samba, and fad dances.

**E111 Basketball (1 cr.)** Instruction in fundamental skills of shooting, passing, ball handling, footwork, basic strategies of offensive and defensive play, and interpretation of rules.

**E112 Bicycling (1 cr.)** Beginning instruction in the principles of fitness through a cycling program. Fitness testing will be done and cardiovascular training will be emphasized. Proper riding technique, safety, and other features of competitive and recreational cycling will be discussed.

**E119 Conditioning (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.

**E121 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.

**E123 Diving (1 cr.)** Instruction in fundamental dives, including approach, takeoff, execution of the dive, and entry into the water. Emphasis on basic forward, backward, reverse, and twisting somersaults. Course designed for all levels, regardless of past diving experience.

**E125 Exercise to Music (1 cr.)** Instruction in exercises for flexibility and muscle toning. Exercises are set to musical routines.

**E127 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 and épée.

**E130 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.

**E131 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 and square dances.

**E133 Fitness and Jogging I (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.

**E135 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.

**E148 Tai Chi Chu'an (1 cr.)** Instruction in basic skills and techniques for beginning-level participants in this noncontact martial art. Topics include breathing, centering, postures, and movement sequences.

**E150 Karate (1 cr.)** Beginning instruction in techniques for blocking, kicking, striking, punching, limited free fighting, and self-defense. Students should achieve technical skill level of yellow belt. Uniform required.

**E151 Self-Defense (1 cr.)** Instruction techniques for practical self-defense skills and situations. No uniform required.

**E155 Modern Dance (1 cr.)** Beginning instruction in modern dance technique, stressing knowledge and application of movement principles essential to dance training.

**E165 Soccer (1 cr.)** Instruction in fundamental techniques, rules, basic team tactics, and strategies. Emphasis on competitive game scrimmages and fundamental drills.

**E168 Swimming—Nonswimmers (1 cr.)**  
Beginning instruction in self-rescue, remedial swimming skills, and several basic strokes. For the student with no swimming skills.

**E181 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.

**E185 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.

**E190 Yoga (1 cr.)** Introduction to the basic principles and techniques of yoga.

**E200 Military Science—Leadership Lab (1-6 cr.)** P: minimum GPA of 2.0, 54 semester 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.

**E219 Weight Loss 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.

**E230 Advanced Army Physical Fitness (2 cr.)**  
P: E130 or consent of instructor. Continuing along the path to total fitness begun in E130, 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 E130.

**E248 Intermediate T'ai Chi Ch'uan (1 cr.)**  
P: E148 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 and philosophic concepts.

**E250 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.

**E255 Modern Dance—Intermediate (1 cr.)**  
P: E155 or consent of instructor. Intermediate modern dance technique stressing knowledge and application of movement principles essential to dance training.

**E268 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.

**E270 Scuba (2 cr.)** Introduction to scuba diving. Emphasis on safety and avoidance of potential dangers. A noncertification course.

**E275 Aquatic Conditioning (1 cr.)** Course designed for highly skilled swimmers interested in training methods that may be used by noncompetitive swimmers.

**E281 Tennis—Intermediate (1 cr.)** Instruction in spin service, volley, lob, and advanced drive placement. Emphasis on singles and doubles playing strategies.

**E355 Modern Dance I—Advanced (1 cr.)**  
P: E255 or consent of instructor. Advanced techniques in modern dance with emphasis on performance of movement patterns and individual creative work.

**E356 Modern Dance II—Advanced (1 cr.)**  
P: E355. Course may be repeated. Continuation of advanced techniques in modern dance with emphasis on performance of movement patterns and on individual creative work.

**E371 Advanced Scuba (1 cr.)** P: E370 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 and deep-diving knowledge.

**E475 Lifeguard Certification (1 cr.)** Instruction per American Red Cross standards prepares students to lifeguard at pools and nonsurf beaches. Corequisites (set by the Red Cross) needed to earn the Lifeguarding Certification (i.e., Standard First Aid and CPR) are included in this course.

**E477 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.

## Department of Tourism, Conventions, and Event Management (TCEM) 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.

**100 Introduction to Tourism and Hospitality Management (3 cr.)** An overview of the industries. Management theory and responsibilities in addition to career paths are presented.

**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.

**119 Travel Career Development (3 cr.)** A comprehensive investigation of the broad range of available travel services and products. Skills needed to begin a productive career in the travel industry are emphasized.

**141 Financial Accounting for the Service Industries (3 cr.)** Fundamental accounting principles and procedures applied to the hospitality and service industries. Includes study of the uniform system of accounts, financial statements, special purpose journals, and subsidiary ledgers unique to the hospitality and service industries.

**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 intraindustry interaction of each.

**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.

**181 Front Office 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.

**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.

**212 Tourism and Hospitality Management Principles (3 cr.)** P: 100. 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.

**218 Wines of the World (3 cr.)** P: Students must be at least 21 years of age. An examination of the wines produced in other countries. Identify the characteristics of the growing regions, types of wines produced, economic considerations of purchasing imported wines, and marketing these wines to increase beverage sales.

**231 Marketing Tourism and Hospitality (3 cr.)**  
Development, use, and evaluation of effective merchandising, advertising, and public relations techniques in the hospitality and tourism industries.

**241 Financial Analysis and Decision Making in Tourism and Hospitality Operations (3 cr.)**  
P: 141. Managerial and financial analysis 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.

**271 Mechanics of Meeting Planning (3 cr.)**  
P: 171. An analysis of details pertinent to the organization and execution of a meeting. Topics include finances and contracts, site selection, program development, marketing, and evaluation and wrap-up.

**272 The Tourism System (3 cr.)** Travel, trends, travel modes, and economic impact on destination area. Emphasis on local, regional, and national tourism.

**281 Hotel Management (3 cr.)** P: 181. All components of a hotel are reviewed to examine the efficient flow of activities among departments for optimal operation. Includes discussion of operational departments relevant to the type of property. Focuses on management procedures to maximize guest service and profit.

**299 Special Topics in Tourism, Conventions, and Event Management (1-3 cr.)** A conceptual examination of current topics in the field of tourism, conventions, and event management.

**305 Newsletter Design and Technology Work Experience (1 cr.)** In-service training and practical experience in the design and development of a newsletter.

**306 Destination Development (3 cr.)** P: 212, 231, 352. Preparation of a destination development plan that presents a comprehensive outline of a proposed tourism operation.

**308 Wine Selection (3 cr.)** P: Students must be at least 21 years of age. Topics will include types of wines, wine quality, and serving suggestions. Wine tastings will be included.

**310 Special Event Management (3 cr.)** Course topics will include planning for social events such as themed parties, weddings, or balls; planning for fundraiser events; planning recognition events; and planning entertainment events.

**312 Human Resource Management for the Service Industries (3 cr.)** P: 212. Covers 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.

**318 Wine Appreciation (3 cr.)** P: Students must be at least 21 years of age. 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.

**319 Management of Sport Events (3 cr.)** P: 171. Amateur or professional sport event planning. Course will include discussion of site selection, logistics, personnel, housing, food, and legalities of hosting an event.

**329 Sport Management (3 cr.)** The application of tourism marketing principles and activities will be analyzed in the context of effective tourism marketing.

**334 Cultural Heritage Tourism (3 cr.)** P: 272. Examines the balance between visitor interests and needs as compared to protecting cultural and heritage resources. Looks at ways of linking quality cultural heritage tourism to community development. Special emphasis will be placed on Indiana cultural and heritage tourism.

**352 Promotional Communications (3 cr.)** P: BUS X204 or consent of instructor. 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.

**362 Economics of Tourism (3 cr.)** P: 272 and ECON 201. Discussion of the economic impact of travel on tourism's various sectors and of the quantitative methods that can be applied to travel forecasting and tourism projects.

**371 Convention and Meeting Sales (3 cr.)** 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 preplanning through post-event evaluation from the supplies perspective. Topics covered include marketing and advertising a facility property, organizing a sales staff, selling to different markets, and contract and legal issues.

**372 Global Tourism Geography (3 cr.)** P: 272. Analysis of U.S. and world travel destinations, including the exploration of principal geographic features; population centers and attractions; habits, customs, and traditions; and 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.

**377 Exhibit Marketing (3 cr.)** P: 231. 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 postshow follow-up.

**382 Popular Travel Trends (3 cr.)** Development of an understanding of the patterns, principles, and management of international travel to popular tourist destinations.

**385 Beer and Spirits Management (3 cr.)** P: Students must be at least 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 the course.

**387 Tourism Internship (1-12 cr.)** P: junior standing. Provides students with an opportunity to improve their operational/managerial skills by working in new areas.

**391 Event Catering Management (1 cr.)** Exploration and creative use of foods and beverages to meet the clients' needs for on-premise and off-premise catering. Concepts of management for the effective operation of catering businesses with analysis of financial framework, menu planning, customer relations, and production-service logistics.

**L391 Event Catering Management Laboratory (1 cr.)** P: 391. A laboratory to execute on-premise and off-premise catered events. Course is completed at Elkhart Lake, Wisconsin.

**408 Food and Wine Pairing (3 cr.)** P: Students must be at least 21 years old. Objective is to be able to appreciate the categories of wine, what they are, and how they may be used to make food combinations, on menus, and on wine lists for restaurants and other food service establishments.

**411 Hospitality Law (3 cr.)** P: 212 and 312. Rights and duties of innkeepers and restaurateurs, civil rights, contracts, negotiable instruments, and types of organizations.

**461 Tourism Research and Planning Development (3 cr.)** P: STAT 113 and STAT 301. This course discusses tourism research planning and development as a process, with emphasis on goal achievement for both tourism businesses and host communities.

**471 International Meeting Planning (3 cr.)** 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.

**472 Global Tourism (3 cr.)** P: 272. Critical issues, problems, and opportunities that face the tourism industry.

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

**499 Operational Analysis (3 cr.)** P: 212, 231, 241, STAT 301, and senior standing. 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.

## Foods and Nutrition (FN) Courses

**FN 303 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 315 Fundamentals of Nutrition (3 cr.)** P: CHEM C101 or BIOL N217 or consent of instructor. Basic principles of nutrition and their application in meeting nutritional needs during the life cycle.

## Administrative Officers

PAUL NICHOLAS KELLUM, Ed.D., *Dean of the School of Physical Education and Tourism Management, Indianapolis, and Associate Dean of the School of Health, Physical Education, and Recreation, Bloomington*

SOTIRIS HJI-AVGOSTIS, Ph.D., *Chairperson of the Department of Tourism, Conventions, and Event Management*

JEFFERY S. VESSELY, Ed.D., *Chairperson of the Department of Physical Education*

DUXBURY, KENNETH J., M.S., *Chairperson of the Department of Military Science*

ROTA AUTRY, JAMES MATTHEW, B.S., *Director of Intramural and Recreation Sports*

## Department of Physical Education Faculty

**(formerly Normal College of the American Gymnastic Union)**

Angermeier, Lisa, Ph.D. (*Indiana University, 2000*), *Clinical Assistant Professor of Physical Education*

Arvin, James S., M.S. (*Indiana University, 1971*), *Visiting Lecturer in 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*

Barrett, Sonja Sue, M.S. (*Purdue University, 1965*), *Associate Professor Emerita of 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; Associate Head Athletic Trainer*

Doecke, Johannah, Ph.D. (*Ohio State University, 1984*), *Visiting Lecturer in Physical Education*

Farley, Lisa Ann, Ed.D. (*Ball State University, 2005*), *Visiting Lecturer in Physical Education*

Kaleth, Anthony, Ph.D. (*Virginia Polytechnic Institute and State University, 2002*), *Assistant Professor of Physical Education*

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

Keith, NiCole, Ph.D. (*University of Connecticut, 1994*), Assistant Professor of Physical Education

Kellum, Paul Nicholas, Ed.D. (*Indiana University, 1986*), Dean of the School of Physical Education and Tourism Management, Indianapolis; Associate Dean of the School of Health, Physical Education, and Recreation, Bloomington; Professor of Physical Education

Kimball, Mary Maitland, M.A. (*Butler University, 1975*), Professor Emerita of Physical Education

Lee, Soonhawn, D.S.M. (*United States Sports Academy, 2002*), Assistant Professor of Physical Education

Lienert, Walter J., B.S. (*Indiana University, 1950*), Assistant Professor Emeritus of Physical Education

Mikesky, Alan E., Ph.D. (*University of Texas, 1987*), Professor of Physical Education, School of Physical Education and Tourism Management; Adjunct Professor of Anatomy and Cell Biology, School of Medicine

Scherzinger, Lamia O., M.S. (*Indiana University, 2006*), Visiting Lecturer in Physical Education

Schilling, Edmund C., M.S. (*Butler University, 1974*), Associate Professor Emerita Physical Education and Part-Time Associate Professor of Education, School of Education

Sidhu, Hitwant, P.E.D. (*Indiana University, 1957*), Professor Emeritus of Physical Education

Stanton, Kathleen A., Ph.D. (*University of Virginia, 1995*), Associate Professor of Physical Education

Swinford, Rachel R., M.S. (*Indiana University, 2007*), Visiting Lecturer in Physical Education

Teeguarden, Karen W., M.S. (*Indiana University, 1971*), Assistant Professor Emerita of Physical Education

Urtel, Mark G., Ed.D. (*Indiana University, 2004*), Assistant Professor of Physical Education

Vessely, Jeffery Stephen, Ed.D. (*Indiana University, 1986*), Chair of the Department of Physical Education and Professor of Physical Education

Alvarez, Susan L., M.S., (*Indiana University, 2005*), Lecturer in Tourism, Conventions, and Event Management

Benko, Susie T., M.B.A., (*Marymount University, 1983*), 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 Y., Ph.D. (*Pennsylvania State University, 2003*), Assistant Professor of Tourism, Conventions, and Event Management

Heo, Jinmoo, Ph.D. (*Indiana University, 2007*), Visiting Assistant Professor of Tourism, Conventions, and Event Management

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