Exercise and Sports Science

The Bachelor of Exercise and Sports Science (BESS) has several specializations that allow graduates to prepare for careers in education, exercise prescription, health professions, management of exercise programs, and coaching. The BESS with All-Level Physical Education (EC-12) Teacher Certification prepares graduates to teach in elementary and secondary schools. The BESS with a concentration in Health and Wellness Promotion prepares graduates for careers in cardiopulmonary, clinical exercise physiology, and diagnostic testing and programming for cardiac rehabilitation and other special populations. The BESS with a concentration in Pre-Rehabilitation Sciences gives students a degree that is well aligned with entrance requirements of advanced study in health care and allied health professions like athletic training, physical therapy, occupational therapy, orthotics/prosthetics, chiropractics, or physician’s assistant. The BESS with a major in Health and Fitness Management and minor in Business Administration blends exercise science knowledge with the management and leadership skills needed to direct fitness and health/wellness programs in commercial, corporate, and institutional settings. Advanced course work and field experiences are required for graduation in these programs and depend on maintenance of GPAs above 2.5 or 2.75.

Athletic Training

Athletic trainers (ATs) are health care professionals who specialize in the prevention, diagnosis, clinical management and rehabilitation of musculoskeletal injuries and medical conditions.

Texas State University has an exemplary history with regard to athletic training education. Our Professional Program in Athletic Training was one of the first programs in the United States to be accredited and has been continuously accredited since 1972. The Commission on Accreditation of Athletic Training Education (CAATE) has accredited our Bachelor of Science degree program in Athletic Training through the 2019-2020 academic year. The mandated transition to master’s entry level for accredited programs means that the last cohort of undergraduate Athletic Training majors will be for the 2018/2019 academic year. Admission to the Professional Program in Athletic Training at Texas State University is a competitive process that involves successful completion of all of the requirements associated with a Pre-Athletic Training Program, e.g., 5 specific prerequisite courses, 50 hours of directed observation, a formal written application due April 1st, a formal admission interview on or about May 1st, and a minimum Texas State GPA of 2.75. Admission selections are made once per year, at the end of the academic year. In early June each year, the 20 top-ranked applicants are offered admission for the upcoming year as sophomores in the program. Once admitted to the Athletic Training sophomore cohort, the student will take six long semesters (three years) of supervised clinical education experiences in conjunction with a formal sequence of lecture and laboratory-based courses. Completion of our Bachelor of Science degree in Athletic Training qualifies the student to take the national Board of Certification examination and the Texas Advisory Board of Athletic Trainers state licensure examination. For the most current program information and a comprehensive list of all of the Athletic Training Program admission requirements, please refer to our website: http://www.hhp.txstate.edu/Divisions/Athletic-Training.html.

Health Education

Health promotion is the process of empowering people to make informed decisions to improve personal and community health. The Bachelor of Health and Wellness Promotion provides students the opportunity to become competent in the seven areas of responsibility to improve the practice of health education and promotion. Degree focus areas offered include community health promotion or school health education with the option of becoming a Certified Health Education Specialist or obtaining teacher certification. Professionals in health education and health promotion work in many settings, including community, school (K-12), health care, business/industry, college/university professional preparation programs, and university health services settings.

Recreation Administration

The Recreation Administration major combines classroom learning and on-the-job training in two career tracks: recreation administration and therapeutic recreation. Students study such areas as recreation programming, leadership, marketing, evaluation, administration, and therapeutic recreation. Recreation Administration graduates work in camps, nursing homes, recreation centers, resorts, hospitals, rehabilitation facilities, fitness centers, and state and national parks. The program is nationally accredited in recreation administration and therapeutic recreation. Graduates of this program are eligible to sit for certification examinations for National Council for Therapeutic Recreation Certification (CTRS) and/or the National Recreation and Park Association’s National Certification Board (CPRP).

PFW Service Courses

Several Texas State degree programs require Physical Fitness and Wellness (PFW) classes to give students knowledge, skills, and health-related benefits of physical activity. All students may elect to take PFW classes to learn new skills/activities, relieve stress, maintain health, and meet others with similar activity interests. All students may elect to take PFW 1301 (Behavioral and Social Dimensions of Physical Activity and Wellness) to satisfy their general education requirement in social and behavioral sciences. The PFW program provides a wide variety of activity classes that include sports, games, indoor or outdoor activities both on and off campus. PFW classes are for students of all ages, skill ranges, and abilities. Some PFW classes, however, are restricted to students who are involved in athletics, band, ROTC, and other organizations. Some off-campus classes have an additional activity fee appropriate for the instructor and facilities used. Contact the Director of the PFW Division if you have any questions about PFW classes.

Admittance to the Educator Preparation Program

The All-Level Physical Education and All-Level Health Teacher Certifications require formal admittance into the Educator Preparation Program by the Office of Educator Preparation (http://mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation). Please see http://www.education.txstate.edu/oep/ for current admittance requirements and procedures.
Admission Requirements

Athletic Training

1. The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students desiring admission must first declare the Athletic Training major and complete the preliminary requirements for the Athletic Training major at Texas State University in order to become eligible to be admitted to the Athletic Training Program cohort. Once per year, in June, following the completion of a year-long competitive admissions process, the top 20 ranked applicants are offered admission to the Athletic Training Program cohort. For more information, please refer to http://www.hhp.txstate.edu/Divisions/Athletic-Training.html.

2. Students admitted to the Athletic Training Program cohort must be committed to taking the Board of Certification’s national examination, as well as the Texas Advisory Board of Athletic Trainers’ state licensure examination during the last semester prior to graduation.

3. To be considered a candidate for admission to the Athletic Training Program cohort, students must complete AT 1298, AT 2156, AT 2260, AT 2356, and BIO 2430 with grades of B or better, and:
   - Participate in the competitive admission process that includes the five prerequisite courses mentioned above, a completed application (due annually on April 1), and an admissions interview in early May.
   - Establish and maintain a minimum Texas State GPA of 2.75.
   - Complete 50 hours of directed Athletic Training observation as part of AT 1298 – Orientation to Athletic Training Education.
   - Hold current Emergency Cardiac Care (ECC) certification in CPR/AED at the Professional Rescuer level.

4. The six-component objective formula used to rank applicants for admission to the AT Program cohort is available to view at http://www.hhp.txstate.edu/Divisions/Athletic-Training/Undergraduate-Program.

5. The required Technical Standards for the AT Program are available at the department website listed, in the AT 1298 Policy and Procedures Manual, and from the program director.

Bachelor of Exercise and Sports Science (B.E.S.S.)


Bachelor of Health and Wellness Promotion (B.H.W.P.)

- Major in Health and Wellness Promotion (http://mycatalog.txstate.edu/undergraduate/education/health-human-performance/health-wellness-promotion-bhwp)

Bachelor of Science (B.S.)

- Major in Recreation Administration (http://mycatalog.txstate.edu/undergraduate/education/health-human-performance/recreation-administration-bs)
- Major in Recreation Administration (Therapeutic Recreation Concentration) (http://mycatalog.txstate.edu/undergraduate/education/health-human-performance/recreation-administration-concentration-therapeutic-recreation-bs)

Minors

- Coaching
- Exercise and Sports Science
- Health and Wellness Promotion
- Recreation Administration
- Second Teaching Field in Health (Grades EC-12)

Subjects in this department include: AT (p. 2), ESS (p. 5), H ED (p. 8), PFW (p. 9), REC (p. 13)

Courses in Athletic Training (AT)

AT 1298. Orientation to Athletic Training Education.
Pre-Athletic Training majors will be introduced to the academic and clinical aspects of the CAATE accredited athletic training education program. The course is utilized as part of the rigorous student evaluation process before formal entrance into the athletic training education program
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

AT 2156. Taping and Bandaging Athletic Injuries.
This course focuses on the use of taping, bracing, and bandaging techniques in the prevention and care of athletic injuries
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter
AT 2260. Acute Care of Injuries and Illnesses.
This course will address the knowledge and skills related to the immediate evaluation and specialized care of acute injuries and illnesses common in sports settings. Lectures and laboratory experiences are focused on key aspects of emergency sports health care, including the rapid assessment, resuscitation, packaging and transportation of injured patients. Must be admitted to the Pre-Athletic Training major to enroll
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2356. Prevention and Care of Athletic Injuries.
This course focuses on the theoretical and practical aspects of the prevention, treatment, and rehabilitation of athletic injuries
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2397. Clinical Experience in Athletic Training I.
This course addresses the topics of injury prevention and emergency management, integrated into a clinical education experience designed to assess professional behaviors, knowledge and skills, and clinical proficiency. This course combines didactic with clinical education experiences obtained under the supervision of a licensed preceptor at an on-campus clinical site. A minimum 2.75 Texas State GPA is required. Must be admitted to the Athletic Training Cohort
3 Credit Hours. 2 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2398. Clinical Experience in Athletic Training II.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. This course combines didactic and clinical education experiences obtained under the supervision of a licensed preceptor at an on-campus clinical site. Prerequisite: AT 2397 with a grade of "C" or higher and a minimum 2.75 Texas State GPA. Must be admitted to the Athletic Training Cohort
3 Credit Hours. 2 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3111. Clinical Assessment I Laboratory.
This laboratory will assist students in developing the psychomotor skills used in the clinical evaluation of injuries and illnesses involving the head and face, brain, cervical spine, upper extremity, thorax, and pulmonary and cardiovascular systems. Corequisite: AT 3311. Prerequisites: AT 2356 and a 2.75 Texas State GPA
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3112. Clinical Assessment II Laboratory.
This laboratory will assist students in developing the psychomotor skills used in the clinical evaluation of injuries and illnesses involving the lumbar spine and lower extremity injuries as well as abdomen, gastrointestinal, genitourinary, endocrine, dermatologic, and systemic illnesses. Corequisite: AT 3312. Prerequisite: AT 3111, AT 3311, and a 2.75 Texas State GPA
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3126. Applied Laboratory of Upper Extremity Injuries.
This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3326
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3326
Grade Mode: Standard Letter

AT 3128. Applied Laboratory of Lower Extremity Injuries.
This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3328
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3328
Grade Mode: Standard Letter

AT 3136. Applied Laboratory for Therapeutic Modalities.
This course provides students with experiences in laboratory and field applications of therapeutic modalities of all athletic injuries. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3336
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3336
Grade Mode: Standard Letter

AT 3146. Applied Laboratory for Therapeutic Exercise and Rehabilitation.
This course provides students with experiences in laboratory and field applications of therapeutic exercise and rehabilitation of athletic injuries. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3346
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3346
Grade Mode: Standard Letter

AT 3226. Medical Conditions and Disabilities.
This course focuses on evaluation and management strategies of primarily non-orthopaedic conditions commonly encountered in a physically active population and, to a lesser extent, special populations. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Prerequisites: BIO 1421, or BIO 1330 and BIO 1130; BIO 2430
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3311. Clinical Assessment I.
This course instructs students in the knowledge and skills used in the clinical evaluation of injuries and illnesses involving the head and face, brain, cervical spine, upper extremity, thorax, and pulmonary and cardiovascular systems. Corequisite: AT 3311. Prerequisite: AT 2356 and a 2.75 Texas State GPA
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
AT 3312. Clinical Assessment II.
This course instructs students about the preliminary and secondary survey with emphasis on clinical assessment of lumbar spine and lower extremity injuries as well as abdomen, gastrointestinal, genitourinary, endocrine, dermatological, and systemic illnesses. Corequisite: AT 3112. Prerequisites: AT 3111, AT 3311, and a 2.75 Texas State GPA 
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours. 
Grade Mode: Standard Letter

The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: AT 3126. Prerequisite: AT 2356, Minimum 2.75 Texas State GPA 
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours. 
Co-requisite(s): AT 3126 
Grade Mode: Standard Letter

The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Co-requisite: AT 3128. Prerequisites: AT 2356; BIO 2430 or equivalent; Minimum 2.75 Texas State GPA 
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours. 
Co-requisite(s): AT 3128 
Grade Mode: Standard Letter

AT 3333. Therapeutic Interventions for Medical and Psychosocial Conditions.
This course will address the athletic training knowledge and skills required to evaluate and manage common medical conditions and psychosocial concerns found among the physically active. Lecture and laboratory experiences are focused on immediate and advanced care with emphasis on therapeutic interventions and referral. Prerequisites: BIO 1421, or BIO 1330 and BIO 1130; BIO 2430 or equivalent. (WI) 
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours. 
Course Attribute(s): Writing Intensive 
Grade Mode: Standard Letter

AT 3336. Principles and Techniques of Therapeutic Modalities.
A theoretical and evidence-based approach to the use of therapeutic modalities in physical medicine settings. Special emphasis is placed on understanding the physiological effects, indications, contraindications and clinical applications of therapeutic modalities in the treatment and rehabilitation of musculoskeletal and neurological injuries and diseases. Co-requisite: AT 3136. Prerequisite: Minimum 2.75 Texas State GPA 
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours. 
Co-requisite(s): AT 3136 
Course Attribute(s): Lab Required 
Grade Mode: Standard Letter

AT 3346. Therapeutic Exercise and Rehabilitation.
A theoretical and evidence-based approach to the use of therapeutic exercise in physical medicine settings. Special emphasis is placed on understanding the physiological effects, indications, contraindications and clinical applications of therapeutic exercise in the treatment and rehabilitation of musculoskeletal and neurological injuries and diseases. Corequisite: AT 3146. Prerequisites: AT 3326, AT 3328, PT 3400, Minimum 2.75 Texas State GPA 
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours. 
Co-requisite(s): AT 3146 
Course Attribute(s): Lab Required 
Grade Mode: Standard Letter

AT 3358. Clinical Pathopharmacology.
This course combines pathophysiology, the study of dynamic aspects of disease processes and study of drugs prescribed to prevent, diagnose, cure, or care for disease across the lifespan. Content includes etiology, pathogenesis, clinical presentation, implications for treatment, and pharmacological management. Prerequisite: BIO 2430 or equivalent; or PT 3400 
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours. 
Grade Mode: Standard Letter

AT 3497. Clinical Experience in Athletic Training III.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Restricted to Athletic Training Majors. Prerequisite: AT 2497 with a grade of "C" or higher 
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours. 
Grade Mode: Standard Letter

AT 3498. Clinical Experience in Athletic Training IV.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Restricted to students in the Athletic Training Major. Prerequisite: AT 2498 with a grade of "C" or higher. (WI) 
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours. 
Course Attribute(s): Writing Intensive 
Grade Mode: Standard Letter

AT 4113. Clinical Therapeutic Interventions Lab.
This course provides students with experiences in laboratory and field applications of therapeutic interventions in physical medicine, both modalities and exercise, for patients with musculoskeletal and neurological injuries. Corequisite: AT 4313. Prerequisites: AT 3112, AT 3312, and a 2.75 Texas State GPA 
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours. 
Grade Mode: Standard Letter
AT 4313. Clinical Therapeutic Interventions.  
This course provides a theoretical and clinical background in the use of therapeutic interventions in physical medicine, both modalities and exercise, for patients with musculoskeletal and neurological injuries. Corequisite: AT 4113. Prerequisites: AT 3112, AT 3312, and a 2.75 Texas State GPA  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

AT 4356. Organization and Management of Athletic Training Programs.  
This course addresses the organizational and administrative aspects of athletic training program management. Topics will include, but are not limited to, medical, ethical, legal, personnel and financial management, medical record keeping, facilities, supply requisition and inventory, third-party reimbursement, drug testing and other current professional issues. Prerequisites: AT 3326. (WI)  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Course Attribute(s): Writing Intensive  
Grade Mode: Standard Letter

AT 4360. Internship in Clinical Settings.  
Students will be introduced to the clinical aspects of allied health professions by being assigned to a minimum of two clinical sites. Prerequisite: Instructor consent. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis. Prerequisites: A minimum TXST GPA of 2.75, and AT 3326 and AT 3126; AT 3328 and AT 3128; and AT 3336 and AT 3136  
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.  
Grade Mode: Standard Letter

AT 4497. Clinical Experience in Athletic Training V.  
This course integrates topics in therapeutic interventions and exercise into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 3497 with a grade of "C" or better  
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.  
Grade Mode: Standard Letter

AT 4498. Clinical Experience in Athletic Training VI.  
This course integrates topics in nutrition, professionalism, and administration into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 3498 with a grade of "C" or better  
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.  
Grade Mode: Standard Letter

Courses in Exercise and Sports Science (ESS)  

ESS 1100. Lifetime Fitness and Wellness.  
This course introduces students to the concepts of health-related physical fitness. Emphasis is placed on learning how to teach these concepts. Students will design and implement an exercise program for enhancing health-related physical fitness. Restricted to majors or minors in Exercise and Sports Science, Athletic Training, or Health and Fitness Management  
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 1128. Aquatic Therapy.  
The course addresses basic principles and concepts of aquatic therapy and aquatic emergency management. This course prepares students for the American Red Cross Basic Water Rescue Certification  
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 1172. Beginning Field Sports.  
This course prepares students to become proficient instructors of field sports, including softball and soccer. Emphasis is on skill development, instructional practices, peer coaching, rules, terminology, offensive and defensive strategies, team organization, game play, referee skills, skills assessment, and conditioning for field sports. Restricted to majors or minors in Exercise and Sports Science, Coaching, or Health and Fitness Management  
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 1175. Beginning Jogging and Conditioning.  
This course presents the proper biomechanics of jogging, safety rules, and conditioning principles relevant to the activity. Course topics include warming-up and cooling-down, hydration, monitoring and modifying intensity, training for road races, and jogging-related injuries. Students will also learn how to train individuals entering into a jogging program. Restricted to majors or minors in Exercise and Sports Science or Health and Fitness Management  
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 1176. Beginning Tennis, Badminton, and Other Racket Sports.  
This course prepares Exercise and Sports Science majors to be proficient instructors of racket sports, including tennis and badminton. The emphasis is on the fundamentals of racket sports and program development for the beginner. Restricted to majors or minors in Exercise and Sports Science, Health and Fitness Management, or Coaching  
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 1177. Beginning Track and Field.  
This course prepares students to become proficient instructors of track and field. Emphasis is on skill development and instructional practices, rules, terminology, team organization, communication, athlete selection, and event-specific conditioning for track and field. Prerequisite: Major or minor in Exercise and Sports Science or minor in Coaching  
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 1178. Beginning Volleyball and Basketball.  
This course prepares students to become proficient instructors of volleyball and basketball. Emphasis is on skill development, instructional practices, peer coaching, rules, terminology, offensive and defensive strategies, team organization, communication, game play, referee skills, skills assessment, and conditioning for volleyball and basketball. Restricted to majors or minors in Exercise and Sports Science, Health and Fitness Management, or Coaching  
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter
ESS 1179. Beginning Weight Training.
This course prepares students to be proficient instructors of all forms of resistance training. Emphasis is on understanding the proper, safe, and effective techniques of weightlifting. Students will learn how to develop resistance-training programs for untrained individuals with a variety of conditions. Restricted to majors or minors in Exercise and Sports Science, Athletic Training, or Health and Fitness Management
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1192. Beginning Balance and Tumbling.
This course prepares students as proficient instructors of the basic fundamentals of balance and tumbling. Emphasis is on the teaching of progressions, skills, and routines. Students will learn and practice safe teaching techniques for spotting in selected balance and tumbling skills. Prerequisite: Major seeking All-Level Teacher Certification in Physical Education
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1201. Group Exercise Instructor Training.
This course is for students interested in becoming certified group exercise instructors. Students will learn how to safely and effectively conduct group exercise classes. Students will be trained to teach a variety of formats, such as high- and low-impact aerobics, step aerobics, kickboxing, yoga, and resistance training. Prerequisite: Major in Health and Fitness Management or consent of the instructor
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 1310. Introduction to Teaching Physical Education.
This course is designed to provide pre-service physical educators an introduction to fundamental principles of teaching physical education in K-12 settings. Progressive steps in developing a basic understanding of pedagogical skills, physical education curriculum, and professional attributes needed to pursue the teaching profession
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 2320. Motor Development.
This course provides the exercise science and physical education student with a knowledge base in the study of changes in motor behavior across the lifespan, the processes that underlie these changes, and factors that affect them. Prerequisite: Major or minor in Exercise and Sports Science
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3317. Laboratory in Exercise Physiology.
In this laboratory course, students perform experiments that highlight the physiological responses to exercise. This course also introduces students to basic techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, with grades of "C" or higher. Co-requisite: ESS 3317. An overall GPA of 2.5 or higher is required
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3303. Assistant Dive Instructor.
This course provides students with the technical knowledge necessary to prepare for the Assistant Diver Instructor Scuba Certification. Topics include advanced diving physiology, air station operations, assisting instructors with beginning open-water dive students, and boat diving operations. Prerequisite: PFW 1201
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3304. Divemaster.
This course provides students with the technical knowledge necessary to prepare for the National Association of Underwater Instructors Divemaster Scuba Certification. Topics include advanced diving physiology, organizing open-water dives, air station operations, assisting instructors with beginning and advanced open-water dive students, and boat diving operations. Prerequisite: Assistant Instructor Certification
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3317. Exercise Physiology.
Students learn the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, performance improvement through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, with grades of "C" or higher. An overall GPA of 2.5 or higher is required. Co-requisite: ESS 3117
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ESS 3320. Biomechanics.
This course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introduced to inform the prescription of technique, equipment, and training interventions. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, with grades of "C" or higher. An overall GPA of 2.5 or higher is required
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3321. Teaching Elementary Children Physical Activity.
This course introduces students majoring in Elementary Education and/or Exercise and Sports Science to physical education knowledge and movement concepts. It provides innovative techniques for incorporating physical activity within the elementary school setting. The course presents theory and then guides the students in applying those theories in a practical way
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3323. Psychosocial Aspects of Exercise and Sport Science.
This course examines the psychological and social theories and research related to physical activity. Emphasis is on the determinants that influence exercise behavior and sport participation
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
ESS 3325. Applied Assessment of Physical Activity.
This course is designed to provide students with a theory to practice approach in the assessment of physical activity within the physical education setting. Particular emphasis is placed on empowering students to use relevant and meaningful physical activity assessments in K-12 schools. Prerequisites: ESS 1310 and ESS 2320. Restricted to majors seeking all level Teacher Certification in Physical Education
Grade Mode: Standard Letter
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.

ESS 3329. Motor Learning.
This course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills an draw upon examples from sport, physical activities, and rehabilitation. Prerequisite: Overall GPA of 2.5 or higher
Grade Mode: Standard Letter
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.

This course examines the theories and principles of effective coaching, including philosophy, ethics, strategies, team motivation and organization, coach-athlete relationships, performance analysis, and the administration of facilities, personnel, and contests
Grade Mode: Standard Letter
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.

ESS 4317. Fitness Assessment and Exercise Prescription.
Students are presented with current information on fitness assessment and exercise programming for individuals of all ages and fitness levels. Emphasis is placed on preparation for multiple certifications offered by relevant professional organizations. Prerequisites: ESS 3117 and ESS 3317; BIO 2430, or BIO 2451 and BIO 2452, all with grades of "C" or higher. An overall GPA of 2.5 or higher is required
Grade Mode: Standard Letter
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.

ESS 4318. Fitness Assessment and Exercise Prescription Practicum.
During this 80-hour practicum, students will acquire advanced knowledge and skills associated with appraising health risk, assessing fitness levels, and designing exercise programs for diverse populations through online, classroom, and laboratory settings as well as through field-based experiences by working in a variety of venues. Prerequisite: BIO 2430, or BIO 2451 and BIO 2452; ESS 3117 and ESS 3317, all with grades of "C" or higher and Overall GPA of 2.5 or higher is required
Grade Mode: Standard Letter
3 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.

ESS 4319. Clinical Exercise Physiology.
Students gain a thorough understanding of the health appraisal/risk assessment, exercise testing, and exercise programming guidelines for clinical populations. In addition, basic electrocardiography and cardiopulmonary pathology and pharmacology are introduced. Prerequisites: ESS 3117 and ESS 3317; BIO 2430, or BIO 2451 and BIO 2452, all with grades of "C" or higher. An overall GPA of 2.5 or higher is required
Grade Mode: Standard Letter
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.

This course discusses the development and evaluation of training principles and programs for diverse populations. Emphasis is placed on physiological adaptations and mechanical principles related to the application of resistance training. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452; ESS 3317 and ESS 3117, all with grades of "C" or higher. An overall GPA of 2.5 or higher is required
Grade Mode: Standard Letter
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.

ESS 4323. Adapted Physical Education.
This introductory course provides All-Level teacher certification candidates in Exercise and Sports Science with content knowledge on legal mandates, evidence-based practices, and the characteristics of selected disabilities and their considerations when designing meaningful individualized physical activity experiences to meet the students with disabilities in school settings. Prerequisites: ESS 1310, ESS 2320 and 2.75 overall GPA. (WI)
Grade Mode: Standard Letter
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive

ESS 4324. Adapted Physical Activity.
This course introduces students to the field of adapted physical activity, including sport and leisure for persons with disabilities. This course provides content knowledge on how to instruct physical activities to individuals with unique needs in various settings. (WI)
Grade Mode: Standard Letter
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive

This course is for students who are interested in research related to Exercise and Sports Science. Students develop a research study, collect data, and analyze the results. Repeatable for credit with different emphasis. Prerequisites: A minimum GPA of 3.00 and special approval
Grade Mode: Credit/No Credit
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.

ESS 4340. Internship in Coaching.
This 220-hour internship provides students with work-related experience. Students will strengthen their coaching-related knowledge, skills, and abilities by observing and shadowing coaches as well as assisting with a range of tasks, including training athletes, managing the facilities, and organizing practices. Prerequisites: completion of all coursework required for the minor in Coaching and special approval
Grade Mode: Credit/No Credit
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.

This course introduces students to the fundamental principles and techniques of measuring human performance related to Exercise and Sports Science, as well as evaluating and interpreting the results of exercise science and human performance tests in children and adults. Prerequisite: Overall GPA 2.5 or higher
Grade Mode: Standard Letter
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
ESS 4624. Principles and Practices for Teaching Physical Education.
This course provides students with an in-depth study of theory and curriculum encompassing the design and implementation of developmentally appropriate and culturally responsive physical education programs for children and adolescents. Emphasis is on implementing evidenced-based curricula that promote youths’ enjoyment of and participation in lifelong physical activity. Prerequisites: ESS 1310, ESS 2320, ESS 3325 and 2.75 overall GPA
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

In this 400-hour internship, students will apply theoretical health and fitness management principles and concepts to an organizational setting. This course requires students to participate in a health and fitness organization/agency and complete a semester-long planning and evaluation project. Prerequisites: Completion of all other coursework required for the degree, department approval, and an overall GPA of 2.5 or higher. (WI)
6 Credit Hours. 0 Lecture Contact Hours. 25 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Courses in Health Education (H ED)

Course provides an introduction to personal health, acquainting students with the understanding that the decisions they make affect health of self, families, friends, and communities. An emphasis will be placed on health trends and health behaviors
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1304

H ED 1320. Introduction to Health and Wellness Promotion.
This course addresses concepts essential to understanding the discipline of Health and Wellness Promotion, including competencies and career opportunities for health education specialists in school and community settings
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

This course explores the impact of drug use and abuse on society and provides students with a critical perspective of drug-related problems. Course content includes statistics and up-to-date information on current topics in drug issues and drug prevention interventions
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1346

H ED 2340. Community Health.
This course acquaints students with issues, trends, and developments, and principles in community health. The course also provides an overview of selected topics, such as epidemiology, community organization, and program planning. Prerequisite or co-requisite: H ED 1320
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

H ED 1320. Introduction to Health and Wellness Promotion.
An examination of the ecological impact resulting from contemporary sociopolitical action and its resulting influence on human health
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

H ED 3315. Statistical Analysis and Interpretation in Health and Wellness Promotion.
This course emphasizes analysis and interpretation of health-related data. Descriptive and inferential statistics (including measures of central tendency and variability, estimation, ANOVA, and regression) will be used to understand factors associated with current health-related issues. Prerequisites: "C" or better in H ED 1320, H ED 2340, and MATH 1315, MATH 2417 or MATH 2471. (WI)
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

H ED 3321. Health in the School Setting.
Course offers a foundation in health methods and activities to provide resources for the elementary school teacher. Provides an overview of current school health issues: Coordinated School Health Programs, mental health, personal health, family life, substance abuse, and violence in the school setting
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

H ED 3342. Adolescent and School Health Programs.
Course will provide an understanding of function and scope of the Coordinated School Health Program (CSHP) model. Students investigate how schools function in solving youths’ health problems, and focus on how child and adolescent stakeholders and communities are involved in CSHP. (WI)
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Course provides an overview of the etiology of communicable and chronic diseases. Special emphasis will be on health promotion activities to reduce the incidence of disease in communities and society
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

H ED 3350. Consumer Health.
Course focuses on consumer health and making wise decisions regarding selection of health products and services. Students will learn how to effectively evaluate health information. Special emphasis is placed on becoming a health-literate consumer, understanding legislation, and investigating products and services
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

H ED 3360. Sexuality Education.
Course provides a study of sexuality education as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Students will access information and educational resources for implementing and advocating for sexuality instruction through health courses, sexuality education courses, and programs
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
H ED 3376. Worksite Health Promotion.
The purpose of this course is to introduce students to worksite health promotion. The focus of the course will be on planning, implementing, and evaluating worksite health promotion programs. The course will also address other contemporary health issues, policies, and considerations that affect worksite health promotion.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

H ED 4100. Professional Development in Health and Wellness Promotion.
This one-hour seminar course provides the opportunity for students to obtain a community or clinically-based health promotion internship and to actively participate in health promotion-related professional development activities including conferences, development of resumes and interaction with health professionals. Course to be taken the semester immediately preceding H ED 4660 Internship. Prerequisite: H ED 4640 with a grade of "C" or higher and a 2.5 Overall GPA or higher.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Course offers an introduction to research and theories in health and wellness promotion. Special emphasis will be on community health interventions. Students will study theory and practice to understand successful and effective health education interventions. Prerequisites: H ED 1320 and H ED 2340 with grades of C or better, and an Overall GPA of 2.5 or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

H ED 4347. Independent Study in Health and Wellness Promotion.
Designed for undergraduate students who display potential for independent research in health and wellness promotion. Students work individually with faculty to develop an independent research study/ project in Health and Wellness Promotion. Open on an individual basis by arrangement with the division chair. May be repeated for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

H ED 4640. Community Health Program Planning and Evaluation.
Course addresses application of professional competencies in health education and promotion programs. Topics include needs assessment, data gathering techniques, instrument design, data and statistics, interpreting, reporting, and application of findings for program development. Cultural competency and communication will also be covered. Prerequisites: H ED 1320, H ED 2340, and H ED 4336 with grades of "C" or better, and an Overall GPA of 2.5 or higher. Senior classification required. (WI)
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

H ED 4660. Internship in Health and Wellness Promotion.
This course involves the application of health education concepts to a community health setting. Students participate in the work of a health organization/agency and complete a semester-long project (480 hours). Prerequisites: Completion of all other courses required for the degree, H ED 4100 and H ED 4640 with grades of "C" or better, an overall GPA of 2.5. In addition, ESS-HCP Concentration: Grades of "C" or better in ESS 4317 and ESS 4319. Departmental Approval required to enroll. (WI)
6 Credit Hours. 0 Lecture Contact Hours. 18 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing/Standard Letter

Courses in Physical Fitness/Wellness (PFW)

PFW 1101. Lifetime Fitness & Wellness.
To develop knowledge, skills, and physical activity behaviors associated with personal fitness and wellness.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1110A. Beginning Aerobics.
Beginning Aerobics
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1110B. Intermediate Aerobics.
Intermediate Aerobics
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1110C. Gymnastics.
Gymnastics
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1110D. Balance & Tumbling.
Balance & Tumbling
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1110E. Beginning Jogging & Conditioning.
Beginning Jogging/Conditioning
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164
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<td>PFW 1130B</td>
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PFW 1140H. Softball–Women’s Varsity.
Softball–Women’s Varsity
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1140I. Soccer–Women’s Varsity.
Soccer–Women’s Varsity
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1149. Strutters.
Strutters
1 Credit Hour. 1 Lecture Contact Hour. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1150. Beginning Bowling.
Beginning Bowling
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1150B. Intermediate Bowling.
Intermediate Bowling
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1150C. Intermediate Golf.
Intermediate Golf
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1150E. Self Defense.
Self Defense
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1150G. Restricted Leisure Activities.
Restricted Leisure Activities
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1154. Leisure/Recreation Activities.
Leisure/Recreation Activities
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1154B. Challenge Course Facilitation.
This course provides an overview of leadership theories and skill
development for indoor/outdoor challenge course activities, with an
emphasis on safety management. Students will develop skills necessary
to facilitate either high or low elements of a challenge course. May be
repeated once with different emphasis for credit
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1154C. Backpacking.
Backpacking
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155A. Beginning Badminton.
Beginning Badminton
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155B. Intermediate Fencing.
Intermediate Fencing
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155C. Advanced Fencing.
Advanced Fencing
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155E. Fencing – Epee.
Fencing – Epee
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164
PFW 1155G. Racquetball.
Racquetball
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155H. Beginning Tennis.
Beginning Tennis
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155I. Intermediate Tennis.
Intermediate Tennis
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155J. Judo.
Judo
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155K. Beginning Karate.
Beginning Karate
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155M. Advanced Karate.
Advanced Karate
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1155N. Pocket Billiards.
Pocket Billiards
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1160A. Golf–Men's Varsity.
Golf–Men's Varsity
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1165A. Golf–Men's Varsity.
Golf–Men's Varsity
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1165B. Beginning Swimming.
Beginning Swimming
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1165C. Tennis–Women's Varsity.
Tennis–Women's Varsity
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1165D. Golf – Women's Varsity.
Golf – Women's Varsity
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1165E. Varsity Cheerleaders.
Varsity Cheerleaders
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1180J. Beginning Recreational Dance.
Beginning Recreational Dance
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1122

PFW 1190A. Canoeing.
Canoeing
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1190B. Beginning Swimming.
Beginning Swimming
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1190C. Intermediate Swimming.
Intermediate Swimming
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1190F. Beginning Scuba.
Beginning Scuba
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164
Courses in Recreational Administration (REC)

**REC 1310. Introduction to Recreation and Leisure Services.**
Introduction to recreation, includes brief historical backgrounds, professional opportunities, present status, past and present leaders. Role of leisure time in our social structure, professional responsibility, familiarization with current issues and trends, and professional literature. Lecture and field trips. A grade of "C" or higher in this course is required to enroll in any upper division Recreational Administration courses

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

**REC 1330. Leisure and Outdoor Recreation.**
This course provides students with an overview of the role the natural world plays in recreation and leisure services. The course will focus on values of outdoor recreation, adventure recreation, environmental impact, and the role of government in the provision and protection of outdoor recreation programs and resources

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

**REC 1370. Introduction to Therapeutic Recreation.**
This course surveys history, philosophy, terminology and professional opportunities in therapeutic recreation. The role of leisure and therapeutic recreation in enhancing quality of life is explored

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

**REC 2330. Leadership in Recreation and Leisure Services.**
Discussion of leadership theories and skill development for indoor-outdoor games and sports. Teaching activities to develop skill in programming various indoor/outdoor recreational settings

3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

**REC 2335. Recreation Program Development.**
This course introduces students to basic principles and procedures for developing recreation programs that respond to human needs. This course provides students with opportunities to acquire and utilize recreation programming skills through practical application. Prerequisites: REC 1310 with a grade of "C" or better, and REC 2330

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1336

**REC 2336. Directed Field Experience in Programming Recreation.**
Students participate in programming and leadership with a selected recreation agency. Online learning modules and communications guide the work and professional reflections. Prerequisite: REC 2335 with a grade of "C" or better

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

**REC 2370. Practices and Interventions in Therapeutic Recreation.**
Students engage in classroom content and service learning to develop knowledge and skills in facilitation techniques used in a variety of therapeutic recreation settings. Prerequisites: REC 1310 and REC 1370 with grades of "C" or better

3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

**REC 3325. Recreation Administration.**
This course covers administrative practices relevant to entry-level professionals in the recreation industry. Topics include foundations of management, decision-making, planning, coordination of resources, and ethics in the public recreation sector. Prerequisite: REC 2335 with a grade of "C" or better

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

**REC 3335. Advanced Recreation Program Development.**
Students will develop advanced program planning skills through the integration of theories and models of program development, consideration of diverse target markets, performing needs assessments, and planning for risk management issues. Students will apply these planning skills through an applied project. Prerequisite: REC 2335 with a grade of "C" or better. (WI)

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

**REC 3340. Design and Maintenance of Recreational Facilities.**
Introduce theories and provide practical experience in the design, development, operation, maintenance, administration of various recreational facilities. Prerequisite: REC 2335

3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

**REC 3351. Evaluation of Leisure Service Programming.**
Methods, techniques and application of the evaluation process related to a wide variety of leisure service functions: clientele and prospective participants, programs, personnel, facilities, organizations and literature. Prerequisite: REC 2335. (WI)

3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
REC 3360. Field Work in Recreation Leadership.
The student participates at the leadership level in the ongoing work of a selected recreation agency. The work is supervised by an agency representative and a faculty member trained in the recreation field. Prerequisites: REC 1330, REC 2330, and Departmental Approval
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

REC 3370. Assessment and Documentation in Therapeutic Recreation.
This course introduces students to selecting, utilizing, and interpreting assessment instruments, and to the processes used to document assessment results and client progress used in therapeutic recreation practice. Prerequisites: REC 1370 with a grade of “C” or better, and HIM 2360
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4320. Therapeutic Recreation and People with Psychiatric Conditions.
Students will gain a theoretical and practical foundation for applying the therapeutic recreation process with persons with psychiatric conditions. Focus will be on the development of skills necessary to implement evidence-based interventions aimed at behavior change. A grade of “C” or higher in this course is required for enrollment into REC 4680. Prerequisites: REC 1370, REC 2370, REC 3370, PSY 3300 and PSY 3315, all with grades of “C” or higher
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4330. Entrepreneurial Recreation Management.
This course provides a study of the scope and the entrepreneurial management of leisure services. The focus will be on financial management related to profit centers including planning, legal liability, record keeping, and revenue management. Prerequisite: REC 2335
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4335. Outdoor Recreation Programming.
Students apply principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments. Students will demonstrate competencies for Leave No Trace certification. Course is taught in cooperation with the Texas State University–Outdoor Center. Prerequisites: REC 1330 and REC 2335; or Consent of Instructor
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4337. Independent Study in Recreational Administration.
Individual study related to recreational administration under direct supervision of a faculty member. (WI)
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing)
Grade Mode: Standard Letter

REC 4340. Therapeutic Recreation Services.
This course will cover the principles of therapeutic recreation services including comprehensive program planning, administrative processes, and issues related to professionalism. Prerequisites: REC 1370, REC 2370, and REC 3370, all with grades of “C” or higher
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4350. Theories and Methods of Supervision in Recreation and Leisure Services.
This course presents theories and methods relating to recruitment, selecting, hiring, training, disciplining, and discharging employees. This course also addresses legal issues related to personnel supervision. Prerequisite: REC 2335
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4335. Entrepreneurial Recreation Management.
This course provides a study of the scope and the entrepreneurial management of leisure services. The focus will be on financial management related to profit centers including planning, legal liability, record keeping, and revenue management. Prerequisite: REC 2335
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4320. Therapeutic Recreation and People with Psychiatric Conditions.
Students will gain a theoretical and practical foundation for applying the therapeutic recreation process with persons with psychiatric conditions. Focus will be on the development of skills necessary to implement evidence-based interventions aimed at behavior change. A grade of “C” or higher in this course is required for enrollment into REC 4680. Prerequisites: REC 1370, REC 2370, REC 3370, PSY 3300 and PSY 3315, all with grades of “C” or higher
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4370. Principles of Therapeutic Recreation.
This course will cover the principles of therapeutic recreation services including comprehensive program planning, administrative processes, and issues related to professionalism. Prerequisites: REC 1370, REC 2370, and REC 3370, all with grades of “C” or higher
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4380. Seminar in Recreation.
This capstone seminar addresses trends in leisure services. Emphasis is on the interactional effects of diverse services, consumers, and environments. Taken in the fall or spring semester immediately preceding enrollment in REC 4680. Departmental approval required. (WI)
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REC 4680. Internship in Recreation Administration.
This internship involves full time work (minimum 400 hours) during which a student will complete administrative tasks in an approved parks and recreation agency. The work is co-supervised by faculty and an agency representative trained in the recreation field. A grade of “C” or higher is required for graduation. Prerequisites: Completion of all other required REC coursework, with “C”s or higher in REC 1310, REC 2335, REC 2336, REC 3325, and REC 4380; Major GPA of 2.25 or higher
6 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4681. Internship in Therapeutic Recreation.
This internship involves experiential learning over a long semester during which a student will work full time (a minimum of 560 hours) in a therapeutic recreation setting under direct professional supervision by a CTRS and faculty member with CTRS credentials. The student participates at the administrative level in the ongoing work of a selected parks and recreation agency. A grade of C or better is required for graduation. Prerequisites: Instructor approval required and completion of REC 1310, REC 1370, REC 2335, REC 2336, REC 3325, REC 3370, REC 4320, REC 4370, and REC 4380, all with grades of "C" or better
6 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4681. Internship in Therapeutic Recreation.
This internship involves full time work (minimum 400 hours) during which a student will complete administrative tasks in an approved parks and recreation agency. The work is co-supervised by faculty and an agency representative trained in the recreation field. A grade of “C” or higher is required for graduation. Prerequisites: Completion of all other required REC coursework, with “C”s or higher in REC 1310, REC 2335, REC 2336, REC 3325, and REC 4380; Major GPA of 2.25 or higher
6 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4337. Independent Study in Recreational Administration.
Individual study related to recreational administration under direct supervision of a faculty member. (WI)
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing)
Grade Mode: Standard Letter

REC 4340. Therapeutic Recreation Services.
This course will cover the principles of therapeutic recreation services including comprehensive program planning, administrative processes, and issues related to professionalism. Prerequisites: REC 1370, REC 2370, and REC 3370, all with grades of “C” or higher
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4335. Entrepreneurial Recreation Management.
This course provides a study of the scope and the entrepreneurial management of leisure services. The focus will be on financial management related to profit centers including planning, legal liability, record keeping, and revenue management. Prerequisite: REC 2335
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter