Athletic Training Education

Athletic Training Program

ATEP 205. Introduction to Athletic Training (2, 2). 3 credits. *Offered fall, spring and summer.*
This course provides a broad introduction to the profession of athletic training. Lectures will focus on the domains of athletic training. Emphasis will be placed on basic emergency management as well as injury prevention including environmental issues, strength and conditioning, and selection of equipment. Laboratory will mirror lecture. *Prerequisite: ATEP or HS major, coaching minor, or permission of the instructor.*

ATEP 206. Recognition and Management of Athletic Injuries. 3 credits. *Offered spring and summer.*
Building on the concepts learned in ATEP 205, the course will emphasize the recognition of common athletic injuries. Pathology, mechanisms of injury, signs and symptoms, evaluation findings, and basic management of injuries will be explored. Athletic injuries of special populations will also be addressed. *Prerequisites: BIO 290 and ATEP 205 with a grade of "C" or better.*

ATEP 291. Pre-Professional Practicum in Athletic Training. 2 credits. *Offered spring.*
This course is designed to help students better understand the duties and responsibilities of the athletic trainer. By focusing on psychomotor skills and the application of didactic knowledge, students build a foundation which prepares them for future clinical rotations. *Prerequisite: Permission of the instructor.*

ATEP 304A. Lower Quarter Evaluation (2, 2). 3 credits. *Offered fall.*
This course systematically focuses on orthopedic and neurological evaluation including functional testing of athletic injuries. The lower quarter consists of the lower extremity, pelvis and lumbar spine. Other topics include management of internal injuries and sudden death related to athletic participation. *Prerequisites: ATEP 206 and admission to the clinical component of the athletic training curriculum.*

ATEP 304B. Upper Quarter Evaluation (2, 2). 3 credits. *Offered spring.*
This course systematically focuses on orthopedic and neurological evaluation including functional testing of athletic injuries. The upper quarter consists of the upper extremity, head, neck and thorax. Other topics include management of crisis situations and facial injuries related to athletic participation. *Prerequisite: ATEP 304A.*

ATEP 305. Rehabilitation in Athletic Training: Lower Extremity (2, 2). 3 credits. *Offered spring.*
This course explains the rehabilitation process of lower extremity muscular and joint injuries related to athletic activities. Additional topics include rehabilitation facility design, budget preparation and pre-season assessment. *Prerequisite: BIO 290 and admission to the clinical component of the athletic training curriculum.*

ATEP 306. Therapeutic Modalities (3, 2). 4 credits. *Offered fall.*
This course provides a thorough overview of tissue injury, inflammatory response, healing process and neurophysiology applied to musculoskeletal injuries. Theory, application and clinical decision-making processes using therapeutic modalities during rehabilitation will be emphasized. Documentation, purchasing and maintenance are also addressed. Prerequisites: ATEP 206 and admission to the clinical component of the athletic training curriculum.

ATEP 307. Acute Care of Injuries and Illnesses. 3 credits. Offered fall.
This course is designed for student athletic trainers to meet the educational competencies for national accreditation in the following areas: development of risk management/emergency action plans, primary assessment of athletic injuries, emergency care of athletic injuries, immediate care of spine injuries, prevention of injuries associated with the physically active, utilization of diagnostic tools and an overall understanding of protective equipment. Prerequisite: Admission to clinical component of athletic training curriculum.

ATEP 350. Measurements and Testing in Athletic Training. 2 credits. Offered fall.
The purpose of this course is to introduce and develop proficiency with measurement techniques frequently used in athletic training. Students will learn clinical evaluation techniques such as manual muscle testing, goniometry, volumetric measurements and girth measurements. How these measures are used in research will also be presented. Prerequisite: Admission to clinical component of athletic training curriculum.

ATEP 355. Infectious Disease Control. 1 credit. Offered spring.
Discussion includes theories of origins, statistics and characteristics of the causative pathogen, incubation, illness patterns, transmission, prevention and treatment of infectious and noninfectious disease. Emphasis is placed on STDs, HIV, Hepatitis and OSHA regulations. Prerequisite: Admission to clinical component of athletic training curriculum.

ATEP 376. Pharmacology for Athletic Trainers. 2 credits. Offered fall.
This course is designed for students to understand knowledge, skills and values that an entry-level certified athletic trainer must possess in pharmacological applications, including awareness of the indications, contraindications, precautions and interactions of medications, and the governing regulations relevant to physically active individuals. Prerequisite: Admission to clinical component of athletic training curriculum.

ATEP 377. General Medicine in Athletic Training. 2 credits. Offered spring.
This course is designed for students to understand knowledge, skills and values that an entry-level certified athletic trainer must possess in order to recognize, treat and refer when dealing with general medical conditions and disabilities related to athletes or others involved in physical activity. Prerequisite: Admission to clinical component of athletic training curriculum.

ATEP 378. Assessment Skills in Athletic Training. 1 credit. Offered spring.
The purpose of this course is to develop knowledge and assessment skills related to general medical conditions. In addition, this course will cover body composition, bone density and quality of life outcome measurement tools. Prerequisite: admission to clinical portion of athletic training education program. Corequisite: ATEP 377.

ATEP 392. Level II Practicum in Athletic Training. 3 credits. Offered fall.
This course focuses on clinical performance and application of didactic knowledge. Clinical rotations, clinical competencies, inservices, case studies and professional journals are included in course content. Sport specific activities and clinical applications
involving palpation and wound care are key components of this course. August preseason orientation and clinical participation required. **Prerequisite:** Admission to clinical component of athletic training curriculum.

**ATEP 393. Level III Practicum in Athletic Training. 2 credits. Offered spring.**

This course focuses on clinical performance and application of didactic knowledge. Clinical rotations, clinical competencies, inservices, case studies and professional journal are included in course content. Sport specific activities and clinical applications involving manual muscle testing and equipment fitting are key components of this course. **Prerequisite:** ATEP 392.

**ATEP 405. Rehabilitation in Athletic Training: Upper Extremity. 3 credits. Offered fall.**

This course explains the rehabilitation process of upper-extremity muscular and joint injuries related to athletic activities. Additional topics include prevention of athletic injuries and aquatic rehabilitation. **Prerequisite:** ATEP 305.

**ATEP 406. Organization and Administration in Athletic Training. 3 credits. Offered spring.**

This course is an overview of managerial issues including legal concerns, OSHA guidelines, budgeting/purchasing and staffing. In addition, this course provides a variety of experiences culminating in the knowledge and skills needed to meet entry-level competencies set by the National Athletic Trainers’ Association. **Prerequisite:** Permission of the instructor.

**ATEP 494. Level IV Practicum in Athletic Training. 2-3 credits. Offered fall.**

This course focuses on clinical performance and application of didactic knowledge. Clinical rotations, clinical competencies, inservices, case studies, and professional journal are included in course content. Sport specific activities and clinical applications involving orthopedic testing and emergency internal abdominal/chest evaluation are key components. **Prerequisite:** ATEP 393.

**ATEP 495. Level V Practicum in Athletic Training. 2 credits. Offered spring.**

This course focuses on clinical performance and application of didactic knowledge. Clinical rotations, clinical competencies, inservices, case studies and professional journal are included in course content. Sport specific activities and clinical applications involving cranial nerve assessment and neurological evaluation are key components of this course. **Prerequisite:** ATEP 494.