

ATR: Athletic Training

Courses

ATR 2000 Basic Care and Prevention Principles of Athletic Training
3 sh (may not be repeated for credit)

Designed to provide an overview of proper roles and responsibilities of the National Athletic Trainers' Association Board of Certification (NATABOC), Certified Athletic Trainer (ATC) in providing quality health care to the physically active individual, as well as other health care professionals that comprise the sports medicine team. In addition, specific skills related to athletic health care will be addressed. A grade of "B" or better is required. Credit may not be earned in both PET 2603, ATR 2000 and PET 2604.

ATR 2010 Advanced Prevention and Care of Injuries in Health, Leisure, and Sports
3 sh (may not be repeated for credit)

Fitness and health, prevention and care of injuries, and restoration and rehabilitation of the injured. Standard first aid, anatomy and physiology are required.

ATR 3104 Protective Methods in Sports Medicine
3 sh (may not be repeated for credit)

Principles in the selection, fabrication, and application of athletic equipment, orthotics, protective taping and bracing, and splints that are commonly used in various athletic training settings. Additionally, selection and application of selected emergency medical equipment and ambulation techniques / equipment will be addressed. Material and supply fee will be assessed. Permission is required.

ATR 3132 Functional Kinesiology
3 sh (may not be repeated for credit)
Prerequisite: BSC 1085/L

Provides an in-depth, hands-on approach to learning the human skeletal and muscular anatomy and how it relates to motion and mechanism of injury, muscle origins, insertions, and actions will be learned through palpation.

ATR 3212 Evaluation Techniques of Athletic Injuries I
3 sh (may not be repeated for credit)
Prerequisite: ATR 2010

A specialized course dealing with anatomy, signs and symptoms, and specific orthopedic tests used when assessing athletic injuries and conditions of the lower extremity and pelvic region, as well as lower extremity gait analysis. Credit may not be received in both APK 4305, ATR 3212 and PET 4609.

ATR 3302 Therapeutic Modalities in Athletic Training
3 sh (may not be repeated for credit)
Prerequisite: ATR 2010
Co-requisite: ATR 3302L

Principles and proper use of therapeutic modalities. Topics include indication, contraindication, techniques and effects of various physical agents involved in the care and treatment of injuries. Permission is required.

ATR 3302L Therapeutic Modalities in Athletic Training Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PET 2622
Co-requisite: ATR 3302

Supports the theory course and provides a clinical experience for the athletic training student. Topics include indications, contraindications, application and proper use of a variety of physical agents involved in the care and treatment of athletic injuries.

ATR 3512 Management Strategies in Athletic Training
3 sh (may not be repeated for credit)

Theory and application of management and organizational skills related to the athletic training profession, including current theory on human resources, financial/budgetary planning, facility design and planning, athletic injury insurance, legal issues of sports medicine, medical ethics, drug testing, and pre-participation examinations. In addition, pharmacology related to athletic training will be addressed, including practical issues regarding medications, therapeutic drug-types and actions, and the ethical, medical, and administrative issues related to dispensing over-the-counter and prescription therapeutic medications. Credit may not be earned in both PET 3484, ATR 3512 and PET 3660.

ATR 3812 Athletic Training Clinical I
3 sh (may not be repeated for credit)
Prerequisite: ATR 2000 AND BSC 1085/L

Students will refine many of the athletic training skills which were introduced during other courses. These include injury surveillance, implementation of OSHA standards, pre-participation exams, environment illness, environmental illness prevention, etiology and prevention guidelines associated with the leading causes of sudden death during physical activity, emergency preparedness, and communication and education of coaches, parents, and athletes. Clinical experiences are obtained in various athletic training settings, including the university's athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 3822 Athletic Training Clinical II
3 sh (may not be repeated for credit)
Prerequisite: ATR 3812

Students will refine many of the athletic training skills which were introduced during other courses. These include using protective equipment and prophylactic procedures, emergency assessment procedures, and perform a comprehensive clinical evaluation on the spine and lower extremities. Clinical experiences are obtained in various athletic training settings, including the university's athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 4213 Evaluation Techniques of Athletic Injuries II
3 sh (may not be repeated for credit)
Prerequisite: ATR 3212 AND PET 4609

A specialized course dealing with anatomy, signs and symptoms, and specific orthopedic tests used when assessing athletic injuries and conditions of the upper extremity and neck, as well as analysis of the throwing arm.

ATR 4314 Rehabilitation of Athletic Injuries

3 sh (may not be repeated for credit)

Prerequisite: ATR 2010

Co-requisite: ATR 4314L

Clinical application of principles of evaluating, assessing, and rehabilitating sports-related injuries. Offered concurrently with PET 5626; graduate students will be assigned additional work.

ATR 4314L Rehabilitation of Athletic Injuries Laboratory

1 sh (may not be repeated for credit)

Prerequisite: ATR 2010

Co-requisite: ATR 4314

Provides the athletic training student an opportunity to demonstrate proper application of required competency skills in the area of rehabilitation. Permission is required.

ATR 4420 Pharmacology Application in Athletic Training

3 sh (may not be repeated for credit)

Prerequisite: ATR 3212

Provides information on the use, interaction, side effects of pharmaceuticals used in the treatment of athletes. Provides instruction in pharmacodynamics, pharmacokinetics used in the description of medical conditions associated with athletic injury diagnosis and classification.

ATR 4432 General Medical Conditions

2 sh (may not be repeated for credit)

Prerequisite: ATR 3212

A specialized course dealing with the pathology, signs and symptoms, and management/treatment of selected general medical conditions affecting the physically active individual.

ATR 4832 Athletic Training Clinical III

3 sh (may not be repeated for credit)

Prerequisite: ATR 3822

Students will refine many of the athletic training skills which were introduced during other courses. These include diagnostic techniques, assess and interpret clinical findings based on cardiovascular function, pulmonary functions, gastrointestinal function, as well as other body areas. Students will also improve skills in educating patients including home care, expanding rehabilitation skills, and perform comprehensive evaluations on upper extremities, the head, neck and thorax. Clinical experiences are obtained in various athletic training settings, including the university's athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 4842 Athletic Training Clinical IV

3 sh (may not be repeated for credit)

Prerequisite: ATR 4832

Students will refine many of the athletic training skills which were introduced during other courses. These include evidence based practices, general nutrition concepts, disordered eating intervention, drug use intervention, use clinical reasoning skills, perform a comprehensive clinical exam on all body parts and systems, psychological interventions, and establish a health baseline for patients. Clinical experiences are obtained in various athletic training settings, including the university's athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 4902 Directed Study

1-12 sh (may be repeated indefinitely for credit)

ATR 4933 Senior Seminar in Athletic Training

3 sh (may not be repeated for credit)

Prerequisite: ATR 3212 AND ATR 3302 AND ATR 4213 AND ATR 4314 AND PET 4609

The purpose is to provide students with knowledge of the professional responsibilities and opportunities of a certified athletic trainer. Will provide students with hands on experience with a mock NATA written simulation and oral certification exam. Will also provide feedback to students regarding interviewing skills, writing resumes and research papers. Permission is required. Credit may not be received in both APK 4113, ATR 4933 and PET 4621.

ATR 4940 Athletic Training Internship

3-6 sh (may be repeated for up to 9 sh of credit)

Prerequisite: ATR 3822

Students will develop their knowledge, skills and attitudes by providing direct care of patients in an immersive setting and under the direct supervision of a certified athletic trainer; understand the medical and ethical aspects of practicing Athletic Training.