

# ATHLETIC TRAINING (ATEP)

## **ATEP 700 - Introduction to Therapeutic Interventions in Athletic Training (3 Credits)**

This course is designed to address the basic knowledge and techniques needed to plan, operate, document, and evaluate therapeutic interventions used in treatment of athletic injuries/illnesses. Includes basic knowledge and techniques of therapeutic interventions; modalities and rehabilitation used by athletic trainers.

## **ATEP 701 - Principles of Evidenced-Based Medicine (3 Credits)**

Development of essential skills for integrating evidence into healthcare practice. Students will learn how to explore critical questions by accessing, interpreting, evaluating, and integrating relevant research literature in healthcare.

## **ATEP 702L - Principles of Athletic Training Lab (3 Credits)**

Foundational knowledge and skills for athletic trainers in injury prevention, care and recognition, emergency management and their role as a healthcare provider within the larger context of a changing healthcare system.

## **ATEP 711 - Clinical Experiences in Athletic Training I (3 Credits)**

A clinical education experience to develop athletic training skills in a student mentor-guided model. Course content will focus on improvement in a selected area of clinical practice, specifically emergency action planning and providing immediate care.

## **ATEP 712 - Clinical Experiences in Athletic Training II (3 Credits)**

A clinical education experience to develop athletic training skills in a student mentor-guided model. Course content will focus on improvement in a selected area of clinical practice, specifically assessment, treatment and rehabilitation of lower extremity orthopedic conditions.

**Prerequisites:** C or better in ATEP 711.

## **ATEP 713 - Clinical Experiences in Athletic Training III (3 Credits)**

A clinical education experience to develop athletic training skills in a student mentor-guided model. Course content will focus on improvement in selected areas of clinical practice, specifically prevention and management of head, neck, spine, and abdominal injuries and the response to medical emergencies.

**Prerequisites:** C or better in ATEP 712.

## **ATEP 714 - Clinical Experiences in Athletic Training IV (3 Credits)**

A clinical education experience to develop athletic training skills in a student mentor-guided model. Course content will focus on improvement in a selected area of clinical practice, specifically assessment, treatment and rehabilitation of upper extremity orthopedic conditions.

**Prerequisites:** C or better in ATEP 713.

## **ATEP 715 - Clinical Experiences in Athletic Training V (6 Credits)**

A clinical education immersive experience in a specific health care setting to develop athletic training skills in a mentor-guided model. Course content will focus on improvement and integration of culminating skills and knowledge into the practice of athletic training.

**Prerequisites:** C or better in ATEP 714.

## **ATEP 730 - Behavioral Health and Wellness (3 Credits)**

Integration of physiological, psychological, and social constructs in relationship to physical performance and clinical decision making to enhance patient care. Specific focus will be on understanding individual differences in behavior in the areas of physical fitness, nutrition, and mental health.

## **ATEP 732 - Emergency Management Practices in Athletic Training (3 Credits)**

Examination of common injuries and illnesses that can cause medical emergencies in sport and physical activity. The majority of the class will be analyzing research related to these conditions to determine prevention and treatment strategies. Education, gender issues, politics, and media will also be a platform for class discussions.

## **ATEP 733 - Evidence Based Practice in Medical Emergencies (3 Credits)**

Examination of common injuries and illnesses that lead to medical emergencies (e.g., sudden death) in sport and physical activity. Critical analysis of research to determine prevention and treatment strategies.

## **ATEP 734 - Evidence-Based Approach to Evaluation, Treatment, and Rehabilitation (3 Credits)**

Advanced study of principles of evidence-based medicine and the interpretation of clinical research that assesses evaluation, treatment, and rehabilitation of injuries.

## **ATEP 735 - Contemporary Issues in Athletic Training (3 Credits)**

Examination of issues shaping the athletic training profession with an emphasis on practical application and professional development.

## **ATEP 736 - Advanced Treatment and Rehabilitation of Athletic Injuries (3 Credits)**

Advanced study of the treatment of athletic injuries focusing on the concepts and principles of a comprehensive rehabilitation program, including therapeutic exercise and therapeutic modalities.

## **ATEP 737 - Current Research in Athletic Training Education (3 Credits)**

Examination of current literature in athletic training education as it pertains to the clinical and didactic experiences of athletic training students, clinical instructors, and practicing professionals.

## **ATEP 738 - Advanced Athletic Training Practicum I (1-3 Credits)**

Provides advanced practical experience and the integration of evidence-based practice in the sports medicine settings. Course content will focus on graduate research project and topics related to athletic training education.

## **ATEP 739 - Advanced Clinical Practicum in Athletic Training II (1-3 Credits)**

Provides advanced practical experience and the integration of evidenced-based practice on the sports medicine settings. Course content will focus on graduate research project and topics related to athletic training administration and management.

## **ATEP 740 - Evidence Based Practice in Weight Management Assessment (3 Credits)**

Critical analysis of the current literature on weight control and health, metabolism, energy balance, and roll of diet and exercise in prevention and/or treatment in weight management in the physically active population.

## **ATEP 741 - Advanced Clinical Skills in Athletic Training (3 Credits)**

This course is designed to assess the advanced clinical skills of graduate athletic training students in their ability to evaluate, manage and prevent athletic injuries. The content of this course will focus on advanced athletic training clinical skills and evidence-based practice.

## **ATEP 742 - Traumatic Catastrophic Injury Management (3 Credits)**

An examination of traumatic injuries that can cause medical emergencies. Specific focus on preventing, recognizing and treating traumatic injuries that may present during work, physical activity, and sport.

**ATEP 743 - Management of Exertional Injuries and Medical Conditions (3 Credits)**

An examination of exertional or medical conditions that can cause emergencies. Specific focus on preventing, recognizing and treating such conditions that may present during work, physical activity, and sport.

**ATEP 748 - Evaluation and Therapeutic Intervention of Lower Extremity Injuries (4 Credits)**

Study of the lower extremities as they relate to the prevention; recognition, evaluation and assessment; immediate care; and treatment, rehabilitation and reconditioning of injuries and illnesses to athletes and others engaged in physical activity.

**ATEP 748L - Evaluation & Therapeutic Intervention of Lower Extremity Injuries Lab (1 Credit)**

Integration of knowledge and skills for orthopedic/physical assessment of common injuries to the lower body.

**Corequisite:** ATEP 748.

**ATEP 749 - Evaluation and Therapeutic Intervention of Head, Neck and Spine Injuries (4 Credits)**

Study of the Head, Neck and Spine as they relate to the prevention; recognition, evaluation and assessment; immediate care; and treatment, rehabilitation and reconditioning of injuries and illnesses to athletes and others engaged in physical activity.

**ATEP 749L - Evaluation & Therapeutic Intervention of Head, Neck, & Spine Injuries Lab (1 Credit)**

Integration of knowledge and skills for orthopedic/physical assessment of common injuries to the head, neck and spine.

**Corequisite:** ATEP 749.

**ATEP 750 - Evaluation and Therapeutic Intervention of Upper Extremity Injuries (4 Credits)**

Study of the upper extremities as they relate to the prevention; recognition, evaluation and assessment; immediate care; and treatment, rehabilitation and reconditioning of injuries and illnesses to athletes and others engaged in physical activity.

**ATEP 750L - Evaluation & Therapeutic Intervention of Upper Extremity Injuries Lab (1 Credit)**

Integration of knowledge and skills for orthopedic/physical assessment of common injuries to the upper body.

**Corequisite:** ATEP 750.

**ATEP 751 - Concepts of Behavioral & Mental Health in Athletic Training (3 Credits)**

This course includes theoretical and applied information regarding mental and behavioral health theories, models, and concepts in Athletic Training and in the context of the larger social services system. A variety of didactic training in clinical techniques will be explored (e.g., screening, ethics & reporting, confidentiality, recognition & referral process, etc.).

**ATEP 752 - Mental Health Challenges in Sport and Physical Activity (3 Credits)**

The course will provide an overview of mental wellness, mental health challenges, and mental illnesses that athletic trainers providing care to people in work, life, and sport may experience.

**ATEP 753 - Assessing and Treating Feeding and Eating Disorders, Exercise and Food Addictions (3 Credits)**

This course will introduce students to epidemiology, clinical presentation, clinical work-up, diagnosis and treatment approaches and medical complications of patients with various feeding and eating disorders.

This course will integrate both psychiatric and medical knowledge and compliment clinical and didactic experiences across athletic training.

**ATEP 754 - Supporting Mental Wellness in Athletic Training (3 Credits)**

Explore therapies, treatments, and interventions for mental health challenges experienced by patients in athletic training settings. The course will discuss supportive interventions within the scope of athletic training, as well as explore therapies and treatments that referral is required for in athletic training.

**ATEP 761 - Primary Care in Athletic Training (3 Credits)**

This course presents the most common pathological conditions, clinical presentations (signs and symptoms) and diagnostic methods involving the many body systems, with an emphasis on how pathological conditions affect the body system and subsequent sport participation. The goals of the course are for students to learn the clinical presentations of diseases, how to clinically reason through the examination, and creating a care plan.

**ATEP 762 - Pharmacological Interventions in Sports Medicine (3 Credits)**

This course presents students with knowledge and skills to meet patient needs as it relates to pharmacology in sports medicine. The goals of the course are for students to learn legal considerations for medication management; develop skills that are patient-centered and allow them to work in interprofessional teams; identify at-risk populations for medication abuse and misuse; and develop management strategies using common pharmacological drugs in physically active populations.

**ATEP 770 - Research Methods & Prospectus Writing in Athletic Training (3 Credits)**

The study of applicable methods and tools of research in athletic training. Introduction of methods of research in athletic training, encompassing aspects of study planning, research design, participant sampling, measurement, data analysis, ethics, and reporting in sports medicine.

**ATEP 771 - Clinical and Practice-Based Research (3 Credits)**

A research design and methods course focused on athletic training clinical practice including patient-oriented outcomes, quality improvement, clinical-rated assessments, clinical CASE reports, and current clinical concepts.

**ATEP 796 - Athletic Training Administration (3 Credits)**

Examination of fundamental principles of administration and assessment of the delivery of athletic training services in the context of the larger health care system. Specific focus business management principles associated with athletic training clinical practice and as well as leadership and professional development to achieve the best patient outcomes.

**ATEP 797 - Clinical Pathology and Pharmacology in Athletic Training (2 Credits)**

Examination of injury, illness and/or disease of various body systems; specific understanding of medical diagnostics, interventions (including pharmacology) and participation considerations for the athletic population are addressed.

**ATEP 797L - Clinical Pathology & Pharmacology in Athletic Training Lab (1 Credit)**

Integration of knowledge and skills for athletic trainers in the physical assessment of common injury, illness and/or disease of various body systems.

**Corequisite:** ATEP 797.

**ATEP 798 - Project in Athletic Education (1-3 Credits)**

Independently executed project designed to expand the student's knowledge of athletic training.

**ATEP 799 - Thesis Preparation (1-9 Credits)**