

# ATHLETIC TRAINING (AT)

## **AT 500 Emergency Care and Acute Injuries and Conditions in Athletic Training**

This course is designed to prepare the student to recognize, monitor and administer the appropriate emergency medical care to an injured or ill athlete. This course emphasizes the epidemiological analysis of trauma and the knowledge and skill development in areas including recognition and management of emergency situations, such as cardiac, respiratory, heat related illnesses, diabetic, and spinal cord injuries. Letter grade only. Not challengeable.

**Semester Hours:** 3

## **AT 510 Orthopedic Assessment of Lower Extremity Injuries and Conditions**

This course is designed to introduce and develop assessment principles and techniques, diagnosis, and management of injuries/conditions of the physically active at the advanced level. Students will utilize an evidence-based approach to recognize, explain, and assess emergency medical situations and orthopedic injuries and conditions of the lower extremity and lumbopelvic region. Letter grade only. Not challengeable.

**Semester Hours:** 3

## **AT 511 Therapeutic Modalities**

This course is designed to provide 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 will be emphasized. Letter grade only. Not challengeable.

**Semester Hours:** 3

## **AT 519 Practicum in Athletic Training I**

First of seven supervised clinical experiences in the application of Athletic Training techniques. This course is designed to further develop and enhance the athletic training student's knowledge and skills necessary for clinical practice. Students will 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 that prepares them for future clinical rotations. Students will review and demonstrate foundational athletic training skills and emergency management techniques. Letter grade only. Not challengeable.

**Semester Hours:** 1

## **AT 520 General Medical Conditions in the Physically Active**

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. Letter grade only. Not challengeable.

**Semester Hours:** 3

## **AT 521 Inter-Professional Care I**

Second of seven supervised clinical experiences in the application of Athletic Training techniques. This course is designed to further develop and enhance the athletic training student's knowledge and skills necessary for clinical practice. Students will review and demonstrate lower extremity evaluation techniques as well as application methods and implementation of therapeutic modalities and exercise. Letter grade only. Not challengeable.

**Semester Hours:** 1

## **AT 530 Orthopedic Assessment of Upper Extremity and Head/Neck/Spine Injuries and Conditions**

This course is designed to introduce and develop competency in athletic injury/condition assessment principles and techniques at the advanced level. Specific areas include assessment of orthopedic injuries and conditions of the upper extremity and brachial plexus. Letter grade only. Not challengeable.

**Semester Hours:** 3

## **AT 531 Therapeutic Exercise**

This course is designed to familiarize the student with the theory, skills, and clinical application of manual therapy and rehabilitation techniques utilized to treat individuals with musculoskeletal conditions that limit physical activity. Emphasis is placed on application and integration of theoretical constructs, evidence-based practice, intervention, and proper technique. Letter grade only. Not challengeable.

**Semester Hours:** 3

## **AT 532 Applied Research Methods and Evidence-Based Practice in Athletic Training**

This course is designed to establish or advance the student's understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative, and mixed methods approaches. Students will use these theoretical underpinnings to begin to critically review literature relevant to Athletic Training and determine how research findings may translate to Evidence-Based Practice. Letter grade only. Not challengeable.

**Semester Hours:** 3

## **AT 539 Practicum in Athletic Training II**

Second of seven supervised clinical experiences in the application of Athletic Training techniques. This course is designed to further develop and enhance the athletic training student's knowledge and skills necessary for clinical practice. Students will review and demonstrate lower extremity evaluation techniques as well as application methods and implementation of therapeutic modalities and exercise. Letter grade only. Not challengeable.

**Semester Hours:** 1

## **AT 540 Pharmacology in Athletic Training**

This course is designed for students to understand knowledge, skills, and values that an entry-level 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. Letter grade only. Not challengeable.

**Semester Hours:** 3

**AT 541 Patient Care: Diversity/Inclusivity**

This course identifies and analyzes concepts related to diversity, equity, and inclusion in patient care. Knowledge of diverse cultural views, social determinants of health, health literacy, and health disparities will be explored. Students will examine the cultural traditions and norms of diverse populations that may impact professional practice and patient care. This course is designed to prepare students for culturally competent patient care. Letter grade only. Not challengeable.

**Semester Hours:** 3

**AT 550 Advanced Rehabilitation Techniques in Athletic Training**

This course is designed to introduce the physiological concepts and principles of a comprehensive rehabilitation program for managing athletic injuries and conditions. Letter grade only. Not challengeable.

**Semester Hours:** 3

**AT 551 Psychosocial Aspects of Injury and Rehabilitation**

This course is designed to explore the theory and research related to the psychosocial aspects of injury and injury rehabilitation. The focus is on theory and application. Case studies will be used to explore assessment and intervention approaches relevant for the entry-level athletic trainer. Letter grade only. Not challengeable.

**Semester Hours:** 3

**AT 552 Sports Nutrition**

This course is designed to introduce the student to the essentials of human nutrition that improve and sustain optimal performance for sport and exercise. The effects of eating disorders, weight management, and sport nutrition resources are also discussed. Letter grade only. Not challengeable.

**Semester Hours:** 3

**AT 559 Practicum in Athletic Training III**

Third of seven supervised clinical experiences in the application of Athletic Training techniques. This course is designed to further develop and enhance the athletic training student's knowledge and skills necessary for clinical practice. Students will demonstrate an advanced level of lower extremity evaluation techniques and the application and implementation of therapeutic modalities and exercise. Students will review and recognize a variety of general medical conditions among the physically active population. Letter grade only. Not challengeable.

**Semester Hours:** 1

**AT 560 Ethics, Management, and Professional Issues in Athletic Training**

This course focuses on all administrative aspects of the athletic training profession involving human, physical, and financial resources including risk management, budget development, facility and personnel policies and procedures and OSHA guidelines. This course will also cover the contemporary guidelines of the prescreening and physical examination of athletes and medical documentation. Letter grade only. Not challengeable.

**Semester Hours:** 3

**AT 561 Inter-Professional Care II**

Fifth of seven supervised clinical experiences in the application of Athletic Training techniques. This course is designed to further develop and enhance the athletic training student's knowledge and skills necessary for clinical practice. Students will further review and demonstrate upper extremity evaluation techniques and integration of application and implementation of therapeutic modalities and exercise. Letter grade only. Not challengeable.

**Semester Hours:** 1

**AT 570 BOC Examination Preparation**

This course is designed to provide a structured directed study for the Board of Certification Examination (BOC) through faculty-led review sessions. Students will develop individual and group study plans and complete practice BOC examinations. Letter grade only. Not challengeable.

**Semester Hours:** 1

**AT 571 Patient Care: Varied Patient Populations**

This course provides clinical simulation opportunities with varied client/patient populations and with patients with a variety of health conditions commonly seen in athletic training practice. Letter grade only. Not challengeable.

**Semester Hours:** 3

**AT 572 Evidence Based Practice & Clinical Application in Athletic Training**

In this course, students will formulate searchable, answerable questions from clinical issues, critically appraise best evidence to answer the selected clinical questions, and discuss strategies for implementing evidence into daily practice. The clinical issues addressed in the course will focus on orthopedic assessment and injury and conditions recognition of the head, neck, and spine; manual therapy and rehabilitation techniques, and sports nutrition. A research project resulting in a substantive paper that involves original collection (or treatment) of data and/or results. The final product is a paper of publishable quality. The research project involves original research and exemplifies an original contribution to scholarship. Writing intensive. Letter grade only, Not challengeable.

**Semester Hours:** 3

**AT 579 Practicum in Athletic Training IV**

Fourth supervised clinical experiences in the application of Athletic Training techniques. This course is designed to further develop and enhance the athletic training student's knowledge and skills necessary for clinical practice. Students will review and demonstrate sophisticated evaluation and diagnostic evaluations methods as well as health care management skills. Letter grade only. Not challengeable.

**Semester Hours:** 4