

# ATR - ATHLETIC TRAINING

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## **ATR 5110 Pathophysiology of Sports Injuries Cr. 3**

Explores musculoskeletal sports injury from a pathophysiological and pathomechanical perspective. The effects of acute trauma and repetitive stress on the musculoskeletal system are examined. Additionally, the pathophysiology of sports related concussion is explored. Cumulative emphasis is placed on the evaluation process contributing to the foundational level of differential diagnosis. Offered Spring/Summer.

**Restriction(s):** Enrollment is limited to students with a major in Athletic Training.

## **ATR 5115 Acute Care of Athletic Injuries Cr. 3**

Students will develop an understanding of fundamental clinical practice concepts utilized by athletic trainers in the prevention, recognition, treatment and disposition of acute athletics-related illnesses and injuries. Emphasis is placed on the implementation of the emergency action plan and on-field/on-site assessment. Students will cultivate practical skills necessary for emergent care while developing the foundational level of differential diagnosis for acute injury/and illness. Offered Spring/Summer.

**Restriction(s):** Enrollment is limited to students with a major in Athletic Training.

**Fees:** \$30

## **ATR 5125 Orthopedic Assessment Cr. 3**

Addresses assessment of musculoskeletal and orthopedic related impairments and injury. Focuses on the evaluation process and diagnostic procedures associated with clinical reasoning and the development of differential diagnosis for clinical application. Offered Fall.

**Prerequisite:** ATR 5110 with a minimum grade of C and ATR 5115 with a minimum grade of C

## **ATR 5130 Therapeutic Interventions I Cr. 3**

A lecture and lab experience, focused on the principles and procedures for the selection and application of physical agents and mechanical techniques, essential for the management of musculoskeletal injury and/or dysfunction. Evidence-based practice (EBP) will be integrated throughout the course to enhance the development of treatment plans and clinical application. Offered Fall.

## **ATR 5135 Evidence-Based Practice in Athletic Training Cr. 3**

Introduces the concepts of evidence-based medicine and provides the student with information on how evidence-based medicine can affect the clinical practice of athletic training and enhance the care given to patients. Offered Fall.

**Restriction(s):** Enrollment is limited to students with a major in Athletic Training.

## **ATR 5140 Clinical Gross Anatomy Cr. 3**

Comprehensive review of human anatomy as it pertains to athletic training clinical practice. Students will develop an understanding of human anatomy and its relationship to etiology, evaluation, diagnosis, treatment, and rehabilitation of various medical conditions. Course content will emphasize, but is not limited to, the muscular, skeletal, nervous, and vascular systems. Prosected human cadavers, plastinated specimens, anatomical models, and computerized software/imaging will be used as instructional methods. Offered Winter.

**Fees:** \$220

## **ATR 5145 Therapeutic Interventions II Cr. 3**

Provides conceptual and practical application of therapeutic interventions addressing musculoskeletal and orthopedic related conditions. Students will determine therapeutic intervention care plans consistent with patient-centered functional outcomes. Specific emphasis will be placed on therapeutic and corrective exercise. Offered Winter.

## **ATR 5149 Pre-Season Integrative Experience I Cr. 1**

Provides a clinical experience designed to satisfy the clinical education requirements for professional athletic training program. As a part of this experience, students will be supervised by a preceptor at an approved clinical site. Specific emphasis will be placed on taping, wrapping, pathology recognition, first aide, and acute injury management. Offered Spring/Summer.

**Restriction(s):** Enrollment is limited to students with a major in Athletic Training.

**Fees:** \$50

## **ATR 5150 Integrative Experience in Athletic Training I Cr. 4**

Provides a clinical experience designed to satisfy the clinical education requirements for a professional level AT curricular program. As a part of this experience, students will be supervised by a preceptor at an approved clinical site. Specific emphasis will be placed on taping and bracing techniques, acute care of athletic injuries and the injury evaluation process. Clinical skill integration and competency completion appropriate for current level of didactic coursework and clinical integration will be assessed. Offered Fall.

**Prerequisite:** ATR 5149 with a minimum grade of C

**Fees:** \$50

## **ATR 5151 Integrative Experience in Athletic Training II Cr. 4**

Provides a clinical experience designed to satisfy the clinical education requirements for a professional level AT curricular program. As a part of this experience, students will be supervised by a preceptor at an approved clinical site. Specific emphasis will be placed on orthopedic evaluation, the clinical diagnosis process and the clinical application of therapeutic modalities. Clinical skill integration and competency completion will be assessed. Offered Winter.

**Fees:** \$50

## **ATR 5159 Pre-Season Integrative Experience II Cr. 1**

Students will engage in a second-year clinical experience, participating in a pre-season training camp. The experience will be designed to increase clinical competence concurrent with didactic material. This course provides a clinical field experience emphasizing progressive athletic training skills and procedures. As part of this experience, students will be assigned to a preceptor at an appropriate clinical site. Students will be assigned to intercollegiate, interscholastic, or professional sports organizations, rehabilitation facilities, or other health care facilities. Offered Spring/Summer.

**Restriction(s):** Enrollment is limited to students with a major in Athletic Training.

**Fees:** \$50

## **ATR 5215 Medical and Pharmacologic Interventions Cr. 3**

This course will explore a systems approach to clinical medicine, to include pathology and pharmacology management of injury and illness commonly encountered in athletic training professional practice. Knowledge of medical examination, patient monitoring, and standard techniques and procedures as applied to clinical decision making and risk-reduction will be advanced. Offered Spring/Summer.

**Prerequisite:** ATR 5130 with a minimum grade of C and ATR 5145 with a minimum grade of C

## **ATR 5225 Organization and Administration in Athletic Training Cr. 3**

Students will be acquainted with the proper organization and management techniques utilized by certified athletic trainers in health care administration of athletic training programs. Offered Fall.

**Prerequisite:** ATR 5140 with a minimum grade of C and ATR 5145 with a minimum grade of C and ATR 5215 with a minimum grade of C

**ATR 5230 Transition to Practice Cr. 3**

Students will engage in a comprehensive review of the athletic training curriculum in preparation for the national credentialing examination required for professional practice. Emphasis will be placed on effective strategies and preparation for transitioning to employment as an athletic trainer. Additionally, students will gain exposure to the history, rationale, and clinical implementation for a variety of contemporary interventions practiced in the professional setting. Offered Winter.

**Prerequisite:** ATR 5151 with a minimum grade of C

**Corequisite:** ATR 5252

**ATR 5250 Interprofessional Practice Experience Cr. 2**

Students will be exposed to clinical experiences within various health care settings and areas of medicine (e.g., emergency rooms, surgery, primary care/general medicine, dermatology, etc.). In addition, the clinical experiences will foster interprofessional practice by including interactions and collaborations with other health care professions.

As part of this experience, students will be supervised by a preceptor at an approved clinical site. Specific emphasis will be placed on interprofessional practice, patient/practitioner interactions, and communication. Offered Spring/Summer.

**Prerequisite:** ATR 5151 with a minimum grade of C

**Corequisite:** ATR 5215

**ATR 5251 Integrative Experience in Athletic Training III Cr. 4**

Provides a clinical experience designed to satisfy the clinical education requirements for a professional level AT curricular program. As a part of this experience, students will be supervised by a preceptor at an approved clinical site. Specific emphasis will be placed on the clinical application of therapeutic rehabilitation/exercise, manual therapies, treatment and management of dislocations, general medical conditions/evaluation/diagnosis/treatment, concussion evaluation/diagnosis/management, and sport performance and injury prevention. In addition, simulations will be used as an instructional strategy to advance clinical skill acquisition, expose students to various pathologies and conditions, and assess competence. Clinical skill integration and competency completion will be assessed. Offered Fall.

**Prerequisite:** ATR 5140 with a minimum grade of C and ATR 5145 with a minimum grade of C and ATR 5215 with a minimum grade of C

**Fees:** \$50

**ATR 5252 Clinical Immersion in Athletic Training Cr. 6**

Provides a clinical experience designed to satisfy the clinical education requirements for an accredited professional level AT curricular program. In particular, the course will be associated with a 12-week clinical immersion where the student is assigned to a preceptor at an approved clinical site. The purpose of the clinical immersion is to provide students with a real-world depiction of athletic training to prepare them for employment. In addition, simulation examinations will be used as an instructional strategy to advance clinical skill acquisition, expose students to various pathologies and conditions, and assess competence. Offered Winter.

**Fees:** \$50