

# ATHLETIC TRAINING (ATR)

## **ATR 325. Applied Palpation Anatomy for Healthcare Providers. (3 Credits)**

A. Formerly ATR 225. Pre-requisite: BIO 107 or 307 with a minimum grade of "C". Co-requisite: ATR 325L. Students repeating ATR 325 must also enroll in 325L. Provide students with the opportunity to identify, differentiate and assess human musculoskeletal, nerve, and vascular body structures. This course will focus on anatomy function and assessment from the healthcare perspective. Credit will not be awarded for both ATR 225 and 325. 3 Lec.

## **ATR 325L. Applied Palpation Anatomy for Healthcare Providers Lab. (1 Credit)**

A. Formerly ATR 225L. Co-requisite: ATR 325. Students repeating ATR 325L must also enroll in ATR 325. Provide students with hands on opportunity to identify, differentiate, and assess human body structures through palpation. This course will focus on musculoskeletal, nerve and vascular structures assessment for healthcare providers. Credit will not be awarded for both ATR 225L and ATR 325L. 2 Lab.

## **ATR 330. Foundations of Orthopedic Evaluation. (3 Credits)**

I. Prerequisite: ATR 325, 325L and ESS 212, each with a grade of "C" or better. Students will learn how to properly evaluate common injuries of the lower and upper extremity and spine. Students will learn how to apply these techniques to various structures and pathologies across the entire human body. 3 Lec.

## **ATR 340. Foundations of Rehabilitation. (2 Credits)**

A. Prerequisite: ATR 330 with a minimum grade of "C". Co-requisite: ATR 304L. Students repeating ATR 340 must also enroll in ATR 340L and the most recent grade in these two co-requisites will be applied toward student's GPA. Study and development of therapeutic exercise program design. Emphasis on understanding the interaction between healing, exercise selection and the return to function. 2 Lec.

## **ATR 340L. Foundations of Rehabilitation Lab. (1 Credit)**

A. Co-requisite: ATR 304. Students repeating ATR 340L must also enroll in ATR 340 and the most recent grade in these two co-requisites will be applied toward student's GPA. Application of rehabilitation to further understand the interaction between healing, exercise selection and the return to function. 2 Lab.

## **ATR 430. Foundations of Clinical Practice. (3 Credits)**

A. Prerequisite/Corequisite: ATR 340 and 340L each ATR 330 with a grade of "C" or better. Students will receive an introduction to the clinical practice of athletic training and/or physical therapy through didactic education, basic skill performance, and clinical observation; preparing them for future clinical practice.

## **ATR 802. Practicum II. (3 Credits)**

A. Prerequisite: ATR 807 and 809. Provides students with the opportunity to apply clinical skills, especially related to orthopedic assessment and diagnosis. Curriculum competencies are practiced and assessed. Students complete clinical experiences, as assigned by preceptor.

## **ATR 803. Practicum III. (3 Credits)**

A. Prerequisite: ATR 802. Provides students with the opportunity to apply basic clinical skills, especially related to treatment and therapy of injuries/pathologies. Curriculum competencies are practiced and assessed. Students complete a clinical experience as assigned by preceptor.

## **ATR 804. Practicum IV. (1 Credit)**

A. Prerequisite: ATR 803. Provides students with the opportunity to apply advanced clinical skills. Curriculum competencies are practiced and assessed. Students complete clinical experiences, as assigned by preceptor from August 1 until the day before fall semester begins.

## **ATR 805. Field Experience I in AT. (6 Credits)**

A. Prerequisite: ATR 803. Provides students with the opportunity to apply advanced clinical skills in a near full immersion clinical experience. Curricular competencies are practiced and assessed. Students complete clinical experiences, as assigned by preceptor. Students are responsible for all costs associated with field experience (i.e. Transportation, housing, etc.).

## **ATR 806. Field Experience II in AT. (9 Credits)**

A. Prerequisite: ATR 805. Provides students with the opportunity to apply advanced clinical skills in a full immersion clinical experience. Curricular competencies are practiced and assessed. Students complete clinical experiences, as assigned by preceptor. Students are responsible for all costs associated with field experience (i.e. Transportation, housing, etc.).

## **ATR 807. Foundations of Clin Pract i. (3 Credits)**

A. Prerequisite: Admission to MS in AT. Course introduces foundational athletic training knowledge, behaviors, and clinical skills required to recognize and manage both traumatic and non-traumatic conditions in clinical practice using a systems approach.

## **ATR 808. Applied Palpation Anatomy Lab. (3 Credits)**

A. Prerequisite: Admin to MS in AT. Provides hands-on opportunity to locate, explore, and compare anatomical structures through applied palpation in clinical lab. The course focuses on musculoskeletal, nerve, and vascular structures.

## **ATR 809. Foundations of Clin Prat II. (3 Credits)**

A. Prerequisite: Admission to MS in AT. Course introduces foundational athletic training knowledge, behaviors, and clinical skills required to recognize and manage both traumatic and non-traumatic conditions in clinical practice using a systems approach. Continues addressing review of body systems not covered in ATR 807.

## **ATR 810. Advanced Clinical Practice. (4 Credits)**

A. Prerequisite: ATR 835: Instructs students in advanced clinical skills relevant to athletic training. Classroom/lab sessions designed to provide specific instruction on curricular competencies as defined by accrediting body. Students will develop review/study strategies for BOC exam.

## **ATR 812. Ortho Asmnt Lower Extremity. (3 Credits)**

A. Prerequisite: ATR 808. Co-requisite: ATR 812L. Assessment lower extremity/lumbar spine pathologies. Teaches proper differential diagnosis of LE/Lumbar spine pathologies. Students synthesize information from evaluations into differential diagnosis.

## **ATR 812L. Ortho Asmnt Lowr Extremity Lab. (1 Credit)**

A. Prerequisite: Admin to MS in AT. Co-requisite: ATR 812. Students evaluate common injuries of the lower extremity/lumbar spine. Emphasis on practicing and demonstrating skills utilized during the evaluation process.

## **ATR 813. Orthopedic Assess Up Extremity. (3 Credits)**

A. Prerequisite: ATR 808. Co-requisite: ATR 813L. Evaluation/differential diagnosis of injuries to the head, face, and upper extremity. Classroom/labs provide opportunities to master upper extremity differential diagnosis.

## **ATR 813L. Orthopedic Assess Up Ext Lab. (1 Credit)**

A. Co-requisite: ATR 813. Properly evaluate common injuries of the upper extremity/cervical spine. Emphasis on practicing and demonstrating skills utilized during the evaluation process.

**ATR 815. Preventative Care in AT. (1 Credit)**

A. Prerequisite: Admission to MS in AT. Course develops skills in applying preventative care techniques used athletic training clinical practice. Preventative care includes application of taping and bracing techniques.

**ATR 830. Therapeutic Interventions I. (3 Credits)**

A. Prerequisite: ATR 812 and 813. Corequisite: 830L. Study of the scientific and foundational principles in rehabilitation. Course focuses on the integration of therapeutic modalities and exercise to improve patient function.

**ATR 830L. Therapeutic Intervent I Lab. (1 Credit)**

A. Corequisite: ATR 830. Application and integration of therapeutic modalities and exercise techniques to improve patient function.

**ATR 835. Therapeutic Interventions II. (3 Credits)**

A. Prerequisite: ATR 812 and 813. Corequisite: 835L. Study of the application of scientific and foundational principles of rehabilitation to region specific pathologies. Course focuses on the integration of therapeutic modalities and exercise in both conservative and surgical interventions addressing acute and chronic conditions.

**ATR 835L. Therapeutic Intervent II Lab. (1 Credit)**

A. Corequisite: ATR 835. Application and integration of therapeutic modalities and exercise techniques to improve patient function. Course focuses on application of techniques to address both conservative and surgical interventions for specific acute and chronic pathologies.

**ATR 842. Organization and Admin of AT. (3 Credits)**

A. Prerequisite: ATR 835. The course covers billing practices, legal liability, fiscal management, facilities operations and design, personnel supervision and hiring, public relations and organizational structures in health care organizations and systems.

**ATR 843. Seminar in AT. (2 Credits)**

A. Prerequisite ATR 830 and 835: Integration and applied life skills needed as a professional AT. Students will explore contemporary issues and changing practice paradigms in AT as well as the application of research techniques to improve patient care.