

ATHLETIC TRAINING (ATTR)

ATTR 205 Musculoskeletal Terminology and Clinical Documentation 2 Credit Hour(s)

Foundations of scientific and medical vocabulary with specific discussion of anatomical, musculoskeletal and differential diagnostic terminology associated with the Allied Health Fields. Significant time will be devoted to the understanding of the proper application of scientific and medical vocabulary as it relates to the Allied medical practice of formal written and electronic documentation (SOAP Notes) for proper medical referral and reimbursement.

Offered: Resident

ATTR 330 Clinical Musculoskeletal Anatomy 3 Credit Hour(s)

Prerequisite: BIOL 213 and BIOL 214 and BIOL 215 and BIOL 216

Students will gain and apply knowledge of clinical musculoskeletal human anatomy and function through a variety of Instructional Techniques/Methods. The focus of this course will be on learning: Identification of musculoskeletal anatomical landmarks, muscle origins and insertions, & nerve innervations.

Offered: Resident

ATTR 331 Clinical Musculoskeletal Anatomy Lab 1 Credit Hour(s)

Prerequisite: BIOL 213 and BIOL 214 and BIOL 215 and BIOL 216

Students will apply knowledge of clinical musculoskeletal human anatomy and function through a variety of hands on laboratory activities. The focus of this course will be to practice identifying and palpation of musculoskeletal anatomical landmarks, muscle origins and insertions, & nerve innervations.

Offered: Resident

ATTR 335 Musculoskeletal Injury Assessment 3 Credit Hour(s)

Prerequisite: ATTR 330 and ATTR 331

This course will provide students with the foundational knowledge required to determine signs and symptoms of pathologies. Pathologies taught will include common musculoskeletal injuries (e.g. sprain, strain, fracture, and instability). The principles taught in this course will include: 1) recognizing similarities and differences across pathologies, 2) history taking skills, 3) inspection and palpation skills 4) goniometry of joints and 5) identify muscle weakness.

Offered: Resident

ATTR 336 Musculoskeletal Injury Assessment Laboratory 1 Credit Hour(s)

Prerequisite: ATTR 330 and ATTR 331

This course will provide students with the opportunity to practice the "hands-on" skills that are required to perform a musculoskeletal screening. The principles taught in this course will include the following: 1) how to assess the history of an injury, 2) how to perform postural and gait assessments in healthy individuals 3) palpation during a musculoskeletal screening, 4) measurements of passive range of motion (PROM) and active range of motion (AROM) with a goniometer and 5) Determine muscle weakness that leads to movement dysfunction.

Offered: Resident

ATTR 406 Corrective Exercises and Rehabilitation Theory 3 Credit Hour(s)

Prerequisite: ATTR 335 and ATTR 336

This course will teach students how to: 1) identify movement compensations through static posture and dynamic movement assessments and 2) utilize exercises to correct movement compensations. Students will learn the principles used to rehabilitate musculoskeletal injuries, as well as physiological and psychological factors affecting the rehabilitation process.

Offered: Resident

ATTR 425 Allied Healthcare Evidence-based Research Analysis 3 Credit Hour(s)

Prerequisite: MATH 201 and EXSC 320

Introduces the research process in allied healthcare with an emphasis on evidence-based medicine. Students will learn to evaluate the quality of available research evidence and interpret statistical data and relevance. Scientific writing experience with critical appraisals.

Offered: Resident