Athletic Training (AT)

Courses

AT 541. Gross Human Anatomy. 3 Credits.
Investigation of human musculoskeletal and neuromuscular anatomy through hands-on study of human cadavers. Students will learn detailed human anatomy for a specific area of interest by dissecting and identifying anatomical components of that area.
P: Graduate Standing.

AT 551. Clinical Kinesiology and Biomechanics. 3 Credits.
Fundamental concepts of functional anatomy and biomechanics related to movement and injury. An introduction to palpation, muscle testing skills, and biomechanical analysis will be presented.
P: Graduate Standing.

AT 561. Health Promotion Through the Lifespan. 2 Credits.
This course examines the role of the athletic trainer in community health and develops applied knowledge and skills in health behavior and health promotion to meet the health needs of diverse communities.
P: Graduate Standing
Fall Only.

AT 601. Foundations of Athletic Training. 2 Credits.
This course provides students in athletic training an introduction to the foundational practices of the profession. Topics covered include basic assessment procedures, injury prevention and management techniques, casting and bracing techniques.
P: Graduate Standing.

AT 610. Psychosocial Aspects of Injury and Healing. 2 Credits.
This course will examine the psychological factors involved in injury and the rehabilitation process. Topics covered include impact of stress on injury, psychological reactions to injury, adherence to injury rehabilitation programs, the application of psychological skills (e.g., goal setting, imagery, confidence) and returning to performance after injury.
P: Graduate Standing.

AT 620. Evaluation and Management of Acute/Emergent Conditions. 3 Credits.
This course is designed to provide athletic training students with the knowledge and experience to evaluate and manage patients with acute conditions, including triaging conditions that are life threatening. Conditions covered in this class include, but are not limited to: Cardiac compromise, cervical spine injury, traumatic brain injury, drug overdose, and wound care.
P: Graduate Standing.

AT 630. Movement Dysfunction. 1 Credit.
This course teaches various movement assessments to identify dysfunctions present in the human body. Understanding human movement and identifying the dysfunctions are the cornerstones of developing holistic treatment plans, injury prevention plans, and sport performance plans.
P: Graduate Standing
Fall Only.

AT 700. Evidence Based Patient Care. 2 Credits.
This course will introduce students to the concepts of integrating the best available evidence, clinical expertise, and the needs of the patient to maximize patient outcomes. Topics covered include development of clinical questions, diagnostic accuracy, and us of outcome measures.
P: Graduate Standing
Fall Only.

AT 705. Therapeutic Interventions I. 2 Credits.
Theories and concepts in the appropriate application and utilization of therapeutic modalities in the treatment of orthopedic injuries. Topics covered include physiological responses, indications, contraindications, and appropriate use and selection of therapeutic modalities.
P: Graduate Standing.

AT 706. Therapeutic Interventions II. 2 Credits.
Theories and concepts in the appropriate application and utilization of therapeutic exercises in the rehabilitation of injuries. Topics covered include exercises to increase range of motion, muscle strength and endurance and neuromuscular activities.
P: Graduate Standing
Fall Only.

AT 709. Nutritional Interventions. 2 Credits.
Introduction to principles of nutrition for athletic trainers. Content in this course includes general nutrition concepts with a focus on health promotion and therapeutic nutrition.
P: Graduate Standing.

AT 710. Evaluation and Management of Lower Extremity Injuries. 4 Credits.
This course teaches injury evaluation and management techniques of the lower extremity. Topics covered include methods of evaluation, immediate management, and rehabilitation for the foot, ankle, knee, hip, and pelvis.
P: Graduate Status
Fall Only.

AT 720. Evaluation and Management of Head, Neck, and Spine Injuries. 4 Credits.
This course teaches injury evaluation and management techniques of the head, cervical, thoracic, and lumbar regions. Topics covered include methods of evaluation, immediate management, and rehabilitation for head, neck, and spine injuries.
P: Graduate Standing
Spring.

AT 730. Evaluation and Management of Upper Extremity Injuries. 4 Credits.
This course teaches injury evaluation and management techniques of the upper extremity. Topics covered include methods of evaluation, immediate management, and rehabilitation for the shoulder complex, elbow, forearm, wrist, and hand.
P: Graduate Standing
Spring.

AT 740. Evaluation and Management of Systemic Conditions. 4 Credits.
This course teaches recognition, evaluation, immediate management, and treatment of non-orthopedic medical conditions. Students will gain the knowledge and skills required to recognize, refer, and treat, as appropriate, internal injuries, general medical conditions, and disabilities of athletes and others involved in physical activity.
P: Graduate Standing.

AT 745. Interprofessional Education Seminar. 1 Credit.
Contemporary health care involves teams to provide care to patients with a multitude of injuries and other medical conditions. This course provides students an opportunity to learn about the roles of various members of the health care team, and how to effectively work in teams with members from other health professions.
P: Graduate Standing
Spring.

AT 750. Athletic Training Administration. 2 Credits.
An introduction to management, leadership, financial strategies, professional development and legal issues related to the athletic training setting.
P: Graduate Standing.

AT 755. Healthcare Communication. 1 Credit.
Provides athletic training students the opportunity to improve patient communication skills while working directly with a physician in the evaluation and management of injuries sustained during physical activity.
P: Graduate Standing
Fall Only.

AT 760. Clinical Education I. 2 Credits.
This course allows the athletic training student the opportunity to develop proficiency in athletic training clinical skills in a laboratory and clinical setting, with an emphasis placed on real-life patient interaction. The focus of this course is on equipment intensive experiences and the evaluation and management of acute and emergent conditions during a 14-week clinical education experience.
P: Graduate Standing
Fall Only.

AT 761. Clinical Education II. 2 Credits.
This course allows the athletic training student the opportunity to develop proficiency in athletic training clinical skills in a laboratory and clinical setting, with an emphasis placed on real-life patient interaction. The focus of this course is on the evaluation and management of musculoskeletal injury and illness in the extremities during a 14-week clinical education experience.
P: Graduate Standing
Spring.

AT 762. Clinical Education III. 2 Credits.
This course allows the athletic training student the opportunity to develop proficiency in athletic training clinical skills in a laboratory and clinical setting, with an emphasis placed on real-life patient interaction. The focus of this course is on the evaluation and management of head injuries and general medical conditions during a 7-week clinical education experience.
P: Graduate Standing
Fall Only.

AT 763. Clinical Education IV. 2 Credits.
This course is designed to allow students to demonstrate proficiency in athletic training clinical skills during a 7-week immersive clinical experience.
P: Graduate Standing
Fall Only.

AT 764. Clinical Education V. 6 Credits.
This course is designed to allow students to demonstrate proficiency in athletic training clinical skills during a 14-week or two 7-week immersive clinical experience.
P: Graduate Standing
Spring.

AT 780. Research Methods and Statistics in Athletic Training. 3 Credits.
Interpretation of statistical procedures and research design commonly used in athletic training research. Prepares students to conduct research projects related to the field of athletic training.
P: Graduate Standing.

AT 789. Athletic Training Research Seminar. 1 Credit.
Students will explore research and evidence-based practices within the field of athletic training. Students will begin the process of developing a capstone project in this class.
P: Graduate Standing
Fall Only.

AT 790. Athletic Training Capstone Project. 3 Credits.
Students will complete a capstone project related to one of the practice domains in athletic training.
P: Graduate Standing
Spring.