

AT - Athletic Training

Courses numbered 500 to 799 = *undergraduate/graduate*. (Individual courses may be limited to undergraduate students only.) Courses numbered 800 to 999 = *graduate*.

AT 713. Palpatory Evaluation and Assessment in Athletic Training (3).

In-depth exploration of surface anatomy and palpation of structures essential for athletic training clinical healthcare and evaluation. Students are introduced to joint movement, medical terminology and evaluation performance. Prerequisite(s): admission to graduate athletic training program .

AT 717. Emergency Care and Management in Athletic Training (3).

Examines the history and the principles establishing emergency management in the athletic training clinical setting. Describes the four phases of emergency management. Relates processes in conjunction with local government agencies, development of EAPs, life-saving skills and equipment use. Prerequisite(s): admission to graduate athletic training program.

AT 721. Athletic Injury Evaluation I (3).

Covers clinical assessment related to injury/illness sustained by the competitive athlete specifically involving the cervical spine, face, head and upper extremity. Includes skills of health history, visual inspection, physical palpation of anatomy, and functional stress testing. Prerequisite(s): AT 713 and AT 741.

AT 722. Athletic Injury Evaluation II (3).

Covers clinical assessment related to injury/illness sustained by the competitive athlete specifically involving the thoracic and lumbar spine, abdomen, thorax and lower extremity. Includes skills of health history, visual inspection, physical palpation and functional stress testing. Prerequisite(s): AT 721.

AT 731. Foundations in Athletic Training (3).

The study of traditional methods in acute injury management, prevention and symptom identification as well as understanding injury mechanisms corresponding to specific athletic injuries. This course develops foundational knowledge in injury recognition to aid in the management of the patient's health care. Prerequisite(s): instructor's consent.

AT 741. Clinical Techniques in Athletic Training (3).

Covers instrumentation use in the profession of athletic training consisting of, but not limited to: stethoscope, ophthalmoscope, goniometers, weight/height scale, percussion hammers, etc. Students learn, practice and become proficient in the use of athletic training instrumentation. Prerequisite(s): admission to graduate athletic training program .

AT 770. Therapeutic Interventions I (3).

The study of theories, applications and methods of various modalities consisting of cryotherapy, electrotherapy, hydrotherapy and thermotherapy in addition to principles intermittent compression and massage to be utilized in the profession of athletic training.

AT 771. Applied Learning I (4).

Covers clinical skills and proficiencies relating to immediate care, general treatment of injury, risk management, preventative measures, equipment applications and procedures, general medical conditions, and health care methods. Prerequisite(s): admission to athletic training graduate program .

AT 772. Applied Learning II (4).

Focuses on clinical skills, techniques and proficiencies relating to injury evaluation of the upper extremity, cervical spine, head and face

in the athletic training environment. Students gain hands-on practical experience with patients under the supervision of an allied health care provider. Prerequisite(s): AT 771.

AT 810. Evidence Based Practice in Athletic Training (3).

Instructs students on the basic principles of evidence based research with an emphasis on the evaluation and clinical application. Foundational groundwork is utilized in upcoming courses that relate to their upcoming research projects. Prerequisite(s): AT 860.

AT 813. Athletic Training Board of Certification Review (3).

This course is a comprehensive review of materials that are guided by the BOC exam. In addition, this course uses interactive case-based questions hosted by clinical educators to strengthen the students' confidence, along with teaching a number of test-taking strategies. Students complete a comprehensive exam to demonstrate knowledge that would exceed acceptable benchmarks to be successful on the BOC exam. Prerequisite(s): instructor's consent.

AT 851. Applied Research in Athletic Training (3).

Examines various types of research methods in athletic training, education, allied health professions or exercise-related fields. The student develops a research project based on a topic of interest under the supervision of a graduate faculty member. The student identifies a research problem, sample population, methodology, statistical analysis and completes the research project. Students then successfully present their research project. Prerequisite(s): AT 810 and AT 860.

AT 853. Applied Learning III (4).

Focuses on a practice-intensive experience that allows the student to participate in the totality of care provided by athletic trainers which includes but is not limited to: injury prevention, clinical evaluations, modality application, therapeutic exercise as well as organizational and administrative functions. Students gain hands-on practical experience with patients under the supervision of an allied health care provider. Prerequisite(s): AT 772.

AT 854. Applied Learning IV (4).

Focuses on clinical skills, techniques and proficiencies relating to the totality of health care delivered in the athletic training environment. In addition, students participate in organizational and administrative duties of the athletic trainer. Students gain hands-on practical experience with patients under the supervision of an allied health care provider. Prerequisite(s): AT 853.

AT 871. Therapeutic Interventions II (3).

A broad range of interventions, methods and techniques are designed to enhance function by identifying, remediating and preventing impairments and activity restrictions in athletic populations to maximize participation. This course includes the use of prescription and nonprescription medication, nutrition and manual therapy techniques to ensure each athlete (patient) is ready for competition. Prerequisite(s): AT 770.

AT 872. General Medical Conditions in Athletic Populations (3).

The study of acute injury care, prevention and recognition methods for the athletic trainer to aid in the management of general medical conditions. Specific content focuses on the anatomical and physiological systems of the body, signs, symptoms and predisposing conditions associated with various disorders, syndromes, illnesses and diseases. Prerequisite(s): AT 713.

AT 873. Organization and Administration in Athletic Training (3).

The principles of organization and administration in the athletic training profession. The student plans, coordinates and supervises areas of health care services, financial expenditures, personnel management,

public relations and athletic training facility design. Prerequisite(s): instructor's consent.

AT 882. Athletic Injury Rehabilitation (3).

The study of a comprehensive rehabilitation/reconditioning program involving techniques of flexibility, muscular strength, muscular endurance and cardiorespiratory training including anaerobic and aerobic principles. Prerequisite(s): instructor's consent.