

## 2015-2016 Athletic Training Course Descriptions

**ATP 115 Foundations of Athletic Training.** An introduction to the multifaceted field of athletic training; includes the roles and responsibilities of various members of the global sports medicine team, basic components of a comprehensive athletic injury/illness prevention program (including the pre-participation physical examination), and environmental risk factors. The course also includes introduction to the injury/illness assessment process, including general injury classifications, medical-legal considerations, medical terminology and patient documentation skills. Students seeking admittance into the CAATE accredited athletic training major are required to take this course. Two class hours per week, should be taken concurrently with ATP 118. 2 Sem. Hrs. (typically offered fall semester)

**ATP 116 Orthopedic Applications in Athletic Training.** The purpose of this clinical course is to provide students with the anatomical basis and the technical aspects of applying clinical proficiencies relating to orthopedic applications used in the care and prevention of injuries in physically active individuals. Techniques taught include supportive taping, protective wrapping, special pad fabrication and other applications. In the second half of the course, students will also learn the basic principles and/or physiological effects of professional rescuer first aid and CPR, therapeutic modalities and interventions, and written and electronic clinical note documentation. Lab fee required. Students seeking admittance into the CAATE accredited athletic training major are required to take this course. Prerequisite: ATP 115 with a C or higher or with permission from ATP Program Director. 4 Semester Hours. (typically offered spring semester)

**ATP 118 Medical Terminology and Health.** An introduction to medical word structures, with emphasis on word roots, prefixes, suffixes, and abbreviations while gaining an understanding of the rules for building and analyzing medical terms associated with body systems. Students will define and interpret terms relating to structure and function, pathology, diagnosis, and clinical procedures. The course also includes investigation of personal health and wellness and discusses various influencing factors like community health operations, addictive behaviors, and motivation. Students seeking admittance into the CAATE accredited athletic training major are required to take this course. 4 Semester Hours (typically offered fall semester)

**ATP 216 Injury Recognition I.** Clinical assessment of injuries and illnesses commonly sustained by the competitive athlete and/or physically active individual(s). Prepares students to recognize clinical signs and symptoms in order to effectively formulate a clinical impression of the nature and severity of injuries/illnesses relating to the thoracic spine, thorax, lumbar spine, abdomen, pelvis, hip, thigh, knee, ankle and foot for the primary purpose of making an accurate assessment and appropriate medical referrals. The course involves extensive application of anatomy, injury mechanics and an in-depth understanding of injury pathophysiology. Prerequisite: ATP 115, ATP 116, ATP 118 and BIO 210/211. 4 Semester Hours. (typically offered fall semester)

**ATP 217 Injury Recognition II.** The continuation of ATP 216; clinical assessment of injuries and illnesses commonly sustained by the competitive athlete and/or physically active individual(s). Prepares students to recognize clinical signs and symptoms in order to effectively formulate clinical impressions about the nature and severity of injuries/illnesses relating to the face, head (intercranium), cervical/thoracic spine, shoulder, elbow, wrist and hand for the primary purpose of making an accurate assessment and appropriate medical referrals. The course involves extensive application of anatomy, injury mechanics and an in-depth understanding of injury pathophysiology. Prerequisites: ATP 216. 4 Semester Hours. (typically offered spring semester)

**ATP 230 Clinical Practicum I.** This course is a clinical field experience designed to expose first semester athletic training students to authentic situations relating to the evaluation and care of athletic injuries/illnesses that may occur in an interscholastic or intercollegiate setting within the context of professionally supervised, hands-on patient care. The course requires attendance at team practices, home contests and selected supervised travel to away contests for the duration of the regular season as assigned by their supervising preceptor. This course will include the initial exposure to selected educational competencies and clinical proficiencies focusing on emergency medical procedures (spine-board, splinting, environmental illness, shock, etc.) Prerequisite: ATP 115 and ATP 116. This required course is available only for students officially enrolled in the accredited athletic training major. (lab fee required) 1 Semester Hour. (offered every fall)

**ATP 232 Clinical Practicum II.** This course is a clinical field experience designed to expose second semester athletic training students to authentic situations relating to the evaluation and care of lower extremity, thorax, and abdominal athletic injuries/illnesses that may occur in an interscholastic or intercollegiate setting within the context of professionally supervised, hands-on patient care. The course requires attendance at team practices, home contests and selected supervised travel to away contests for the duration of the regular season as assigned by their supervising preceptor. This course will include a review of lower extremity, thoracic, and abdominal anatomy, clinical signs and symptoms and pathologies. Prerequisite: ATP 216 & ATP 230, or with permission of the athletic training program director. This required course is available only for students officially enrolled in the accredited athletic training major. 1 Sem. Hr. (offered every spring)

**ATP 316 Medical Aspects of Sport.** Students will comprehend the pathological basis for clinical presentation of injuries/illnesses commonly sustained by competitive athletes and/or physically active individuals. This course will explore various medical topics and pharmacological basics relevant for entry-level certified athletic trainers. The students will gain knowledge of orthopedic and general medical conditions related to physically active individuals, as well as prepare the student to formulate an impression of an injury/illness for the primary purpose of recognizing the nature, severity and subsequently formulate an effective treatment plan. Students will be exposed to the therapeutic drug classifications, indications, contraindications, and regulations to the injuries/illnesses discussed in this course, as well as drug testing in sport. Prerequisite: At least junior standing or permission of the athletic training program director. 4 Sem. Hrs. (typically offered fall semester)

**ATP 350 Clinical Practicum III.** This course is a clinical field experience designed to expose third semester athletic training students to authentic situations relating to the evaluation and care of lower extremity, face, and head athletic injuries/illnesses that may occur in an interscholastic or intercollegiate setting within the context of professionally supervised, hands-on patient care. The course requires attendance at all team practices, home contests and selected supervised travel to away contests for the duration of the regular season as assigned by their supervising preceptor. This course will include a review of upper extremity, face, and head anatomy, clinical signs and symptoms and pathologies. Prerequisite: ATP 217 & ATP 232, or with permission of the athletic training program director. This required course is available only for students officially enrolled in the accredited athletic training major. (Lab fee required) 1 Sem. Hr. (offered every fall)

**ATP 355 Clinical Practicum IV.** This course is a clinical field experience designed to expose fourth semester athletic training students to authentic situations relating to the evaluation and care of hip and spinal athletic injuries/illnesses that may occur in an interscholastic or intercollegiate setting within the context of professionally supervised, hands-on patient care. The course requires attendance at team practices, home contests and selected supervised travel to away contests for the duration of the regular season as assigned by their supervising preceptor. This course will review hip and spinal anatomy and pathologies. Prerequisite: ATP 350, or with permission of the athletic training program director. This required course is available only for students officially enrolled in the accredited athletic training major. 1 Sem. Hr. (offered every spring)

**ATP 391 Therapeutic Modalities.** The student will demonstrate the ability to plan, implement, document, and evaluate the efficacy of therapeutic modalities and basic components of a comprehensive rehabilitation and treatment plan. Lecture and lab emphasis will be placed upon the physiological response of the body to trauma/injury, pain modulation, infrared modalities, electrical stimulation modalities, therapeutic ultrasound, mechanical modalities, massage and other manual treatment techniques. Other areas of focus will include indications, contraindications, safety precautions, set-up and standard operating procedures of contemporary therapeutic modalities commonly used in athletic therapy. Prerequisite: ATP 116. 4 Semester Hours. (typically offered fall semester)

**ATP 392 Therapeutic Rehabilitation.** Basic components of a comprehensive rehabilitation program for the upper and lower quadrants are introduced including anatomical, physiological and psychological basis of a rehabilitation prescription, determination of therapeutic goals, objectives and the need for psycho-social intervention and referral. Students will demonstrate selection and use of various rehabilitation techniques plus the development of criteria for progression to full active participation in upper and lower extremity intensive activities. Selected topics will include range of motion techniques, strengthening,

proprioception, aquatic therapy, plyometric, open and closed kinetic chain exercises and functional progressions. Prerequisite: ATP 391. 4 Semester Hours. (typically offered spring semester)

**ATP 394 Cultural Competencies in Health Care.** Students will expand their cultural literacy through an exploration of varied theories and models of cultural competence through the lens of sports, specifically sports medicine. Students will examine and analyze through oral and written assignments the roles of cultural differences including cultural attitudes, beliefs, and expectations as they pertain to effective healthcare in diverse settings. Course will include local off-campus exposure to culturally diverse settings and the opportunity to explore sports medicine in other countries through planned study abroad trips. Prerequisite: completion of all four foundation courses or junior standing. 4 semester hours. (Typically offered every spring)

**ATP 400 Independent Study (elective).** The student, in consultation with the instructor, will select a topic, project or problem for in-depth research. Prerequisite: A 2.8 GPA in major and at least junior standing. 1-4 Semester Hours. (typically offered every semester)

**ATP 450 Clinical Practicum V.** This course is a clinical field experience designed to expose fifth semester athletic training students to authentic situations relating to the rehabilitative care of athletic injuries/illnesses that may occur in an interscholastic or intercollegiate setting within the context of professionally supervised, hands-on patient care. The course requires attendance at team practices, home contests and selected supervised travel to away contests for the duration of the regular season as assigned by their supervising preceptor. This course will review current rehabilitation techniques, the anatomical, psychological, and physiological basis for a rehabilitation program, and modality theories and procedures. Students will also be assigned to an off-campus healthcare provider for a rotation of a minimum 30 clinical hours. Prerequisite: ATP 355, or with permission of the athletic training program director. This required course is available only for students officially enrolled in the accredited athletic training major. (lab fee required) 1 Sem. Hr. (offered every fall)

**ATP 455 Clinical Practicum VI.** This course is a clinical field experience designed to expose sixth semester athletic training students to authentic situations relating to the evaluation and care of general medical diseases and disorders and pharmacological issues that may occur in an interscholastic or intercollegiate setting within the context of professionally supervised, hands-on patient care. The course requires attendance at team practices, home contests and selected supervised travel to away contests for the duration of the regular season as assigned by their supervising preceptor. This course will review medical conditions/illnesses, formulation of impressions of medical conditions, recognizing the nature and severity of the condition, when to refer to the proper healthcare professional, and pharmacological basics. Students will also be assigned to an off-campus site for a rotation of a minimum 30 clinical hours. Prerequisite: ATP 450, or with permission of the program director. This required course is available only for students officially enrolled in the accredited athletic training major. 1 Sem. Hr. (offered every spring)

**ATP 480 Senior Culminating Experience: Organization and Administration of Athletic Training.** This course provides information in the organization and the administration aspects of comprehensive athletic training programs, including law, ethics, facility design, management, budget development, inventory control and therapeutic concepts. Students will complete various collaborative and individual projects to facilitate learning and comprehension of topics. Research design of a selected athletic training topic will be included. This course will include current issues in athletic training and will conclude with a culminating project for athletic training majors. 4 Semester Hours.

**ATP 494 Honors Thesis/Project.** A research project/course designed to meet the needs of the individual student seeking honors in the athletic training education major at graduation. Prerequisites: Senior standing and approval of the instructor, the department chair and the Honors Review Board. Credit variable, 4 Semester Hours.

**ATP 497 Athletic Training Practicum: Assessment Applications.** A clinical education course to prepare the student for competence as an entry-level certified athletic trainer in various athletic training clinical skills, focusing on the psychomotor aspects of injury/illness assessment, athletic therapy, therapeutic exercise, and therapeutic modalities while applying a problem-based, integrative approach. Prerequisite: ATP 216 and ATP 217. 2 Semester Hours. (typically offered spring semester)

**ATP 499 Internship in Sports Medicine/Athletic Training.** An elective, off-campus field experience learning and serving in a medical or allied health setting. The student intern will gain a hands-on, professionally supervised clinical experience and a broader perspective of the athletic training/sports medicine field. The course provides practical application of theoretical knowledge gained in the classroom. The experience is provided by the cooperating organization and the University. Prerequisites: at least junior standing. Departmental approval is required prior to registration for this course. 1-12 Semester Hours. (typically offered every semester)