Athletic Training Courses (AT)

Courses

Introduction to the field of athletic training and other healthcare professions with emphasis on practice guidelines, policies and procedures, risk management, roles and responsibilities of athletic trainers and other healthcare professionals, and common illnesses and injuries. (Variable)

Provides foundational athletic training content that is pertinent for students preparing to enter the athletic coaching or physical education field. Emphasis placed on orthopedic injury description, prevention, treatment, and recovery. Prerequisite(s): PEMES 2024 (420:024) or PEMES 2050 (420:050). (Fall, Spring, Summer)

AT 1019 (42T:019). Prevention and Care Laboratory — 1 hr.
Laboratory experiences in first aid, CPR, and care of injuries for the physically active. Opportunity is provided to become certified in American Red Cross First Aid, and Community CPR. Prerequisite(s) or corequisite(s): AT 1018 (42T:018). (Fall, Spring, Summer)

AT 3000 (42T:140). Athletic Training Clinical Integration — 1-2 hrs.
Entry-level educational experiences in athletic training knowledge and skills including: 1) skill competencies tied to athletic training coursework, 2) clinical experience, 3) completion of clinical integration proficiencies, and 4) comprehensive learning. This course is to be taken over a minimum of four semesters and will include a clinical experience during each semester. (May be repeated for maximum of 8 hours). Prerequisite(s): acceptance into the athletic training program. (Fall and Spring)

AT 3010. Athletic Training Terminology — 1 hr.
The content delivered in this course will allow students to gain knowledge specific to musculoskeletal human anatomy and injury terminology. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. (Summer)

AT 3011. Clinical Skills in Athletic Training — 1 hr.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience (AT 3000 (42T:140) Clinical Integration). Prerequisite(s): admission to the athletic training program. (Summer)

AT 3020. Clinical Anatomy — 3 hrs.
Clinical anatomy of the human body which includes palpation, range of motion assessment, neurological testing, and structure identification and function. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. (Summer)

AT 3030. Acute Care in Athletic Training — 3 hrs.
The theory, ethics, components, indications, and psychomotor skills of acute and emergency care in athletic training. (Variable)

AT 3031. Acute Care Clinical Skills — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3030. Prerequisite(s): AT 1010 (42T:023); Corequisite(s): AT 3030. (Fall)

Recognition and understanding of athletic injuries and conditions occurring to the lower extremities. (Variable)

AT 3042. Injury Assessment Clinical Skills I — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3040 (42T:137). Prerequisite(s): AT 3020 and admittance into the Athletic Training program; Corequisite(s): AT 3040 (42T:137). (Fall)

Recognition and understanding of athletic injuries and conditions occurring to the upper extremities, torso, axial skeleton, and head. (Variable)

AT 3052. Injury Assessment Clinical Skills II — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3050 (42T:134). Prerequisite(s): AT 3040 (42T:137) and admittance into the Athletic Training program; Corequisite(s): AT 3050 (42T:134). (Spring)

Enter-level theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program; junior standing. (Variable)

AT 3070 (42T:143). Therapeutic Interventions I — 3 hrs.
Enter-level study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 1010 (42T:023); AT 3011; AT 3020; admission into athletic training undergraduate; junior standing. (Fall)

AT 3072. Therapeutic Interventions Clinical Skills I — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3070 (42T:143). Prerequisite(s): AT 1010 (42T:023); AT 3011; AT 3020; admission into athletic training program; Junior Standing. Corequisite(s): AT 3070 (42T:143). (Fall)

AT 3080 (42T:157). Therapeutic Interventions II — 3 hrs.
Enter-level study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 3070 (42T:143); AT 3020; admission into the athletic training program; junior standing. (Variable)

AT 3082. Therapeutic Interventions Clinical Skills II — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3080 (42T:157). Prerequisite(s): AT 3020; AT 3070 (42T:143); admission into the Athletic Training program; Junior Standing. Corequisite(s): AT 3080 (42T:157). (Spring)

AT 3091. Foundations of Pharmacology — 3 hrs.
Effects, indications, and contraindications of common therapeutic medications as it relates to general medical conditions. Prerequisite(s):
ATHLETIC TRAINING COURSES (AT)

Declared Athletic Training Rehabilitation Studies major or departmental consent. (Variable)

AT 3110 (42T:165). Psychological Considerations for Athletic Injuries and Rehabilitation — 2 hrs.
Understanding of psychological considerations associated with athletic injury including athletic training scope of practice, recognition/ intervention, motivation, and common conditions. Prerequisite(s) or corequisite(s): AT 3040 (42T:137). (Variable)

Enter-level study of the pathology of lower body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. Prerequisite(s): admission into the Athletic Training program. (Fall)

AT 3125. Clinical Decision Making in Athletic Training & Orthopedic Pathology II — 3 hrs.
Enter-level study of the pathology of upper body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. Prerequisite(s): admission into the Athletic Training program. (Fall or Spring)

AT 3130 (42T:175). General Medical Conditions — 3 hrs.
Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): AT 3060 (42T:110); admission into athletic training undergraduate; junior standing. (Variable)

AT 3250. Preventive Health Care Techniques — 3 hrs.
Theoretical and practical study of strategies and programs to prevent the incidence and/or severity of injuries and illnesses and optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): Admission into the Athletic Training Program; AT 3011; AT 3020; AT 3030; AT 3050 (42T:134); junior standing. (Variable)

AT 3300. Gross Human Anatomy — 3 hrs.
The exploration of human anatomy through human cadaver dissection. Prerequisite(s): Consent of AT Division. (Variable)

Discussion of current topics and trends in the clinical practice and professional development of athletic training. Prerequisite(s): AT 3050 (42T:134). (Fall)

Resume writing, interviewing, and a comprehensive review of the athletic training educational competencies. Prerequisite(s): AT 3060 (42T:110); senior standing. (Spring)

AT 6000. Integrated Clinical Experiences — 1-4 hrs.
Comprehensive educational experiences in athletic training psychomotor and cognitive domains, and clinical proficiencies to be supervised/mentored in multiple practicum sections through athletic training field experiences, integrated teaching lab activities, and skills-based assessment. May be repeated; 11 credit hours required, may be repeated up to 13 credit hours. Prerequisite(s): Admission into the Masters Athletic Training program. (Fall, Spring, Summer)

AT 6030. Advanced Acute Care in Athletic Training — 3 hrs.
The theory, ethics, components, indications, and psychomotor skills of emergency care in athletic training. Evidence-based research and practices are explored in relation to standard practices. Prerequisite(s): Admission into the Professional Masters Athletic Training program. Corequisite(s): AT 6000. (Variable)

AT 6032. Advanced Acute Care Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6030. Prerequisite(s): Admission into the M.ATR. program. (Variable)

Theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6070. Advanced Therapeutic Interventions I — 3 hrs.
Advanced study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 6100; AT 6150. (Variable)

AT 6072. Advanced Therapeutic Interventions I Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6070. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6080. Advanced Therapeutic Interventions II — 3 hrs.
Advanced study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 6070. (Variable)

AT 6082. Advanced Therapeutic Interventions II Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6080. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6100. Advanced Clinical Anatomy — 3 hrs.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience, and clinical anatomy of the human body including palpation, range of motion, neurological testing, and structure identification and function. Prerequisite(s): Admission into the Masters of Athletic Training program. (Variable)

AT 6130. General Medical Assessment & Referral — 3 hrs.
Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): Admission into M.ATR. program. (Variable)

AT 6150. Advanced Athletic Training Clinical Skills — 2 hrs.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6210 (42T:210). Pathoetiology and Orthopaedic Assessment I — 3 hrs.
In-depth study of pathological, etiological, and neuromuscular mechanisms of musculoskeletal injuries with emphasis on advanced orthopaedic assessment techniques of the upper body. Prerequisite(s):
Admission into the Masters of Athletic Training program or Masters of Science in Athletic Training graduate program. (Variable)

AT 6215. Pathoetiology and Orthopaedic Assessment I Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6210 (42T:210). Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6220 (42T:220). Pathoetiology and Orthopaedic Assessment II — 3 hrs.
In-depth study of pathological, etiological, and neuromuscular mechanisms of musculoskeletal injuries with emphasis on advanced orthopaedic assessment techniques of the lower body. Prerequisite(s): Admission into the Masters of Athletic Training program or Masters of Science in Athletic Training graduate program. (Variable)

AT 6225. Pathoetiology and Orthopaedic Assessment II Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6220 (42T:220). Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6240 (42T:230). Evidence Based Practice I — 3 hrs.
In-depth analysis of current literature, research, case studies, and techniques directed toward the treatment and prevention of musculoskeletal injuries to the upper body of the physically active. Prerequisite(s): NATA/BOC certification; admission into the athletic training graduate program. (Variable)

AT 6250 (42T:240). Evidence Based Practice II — 2 hrs.
In-depth analysis of current literature, research, case studies, and techniques directed toward the treatment and prevention of musculoskeletal injuries to the lower body of the physically active. Prerequisite(s): NATA/BOC certification; admission into the athletic training graduate program. (Odd Falls)

AT 6255. Preventative Health Techniques — 3 hrs.
Advanced theoretical and practical study of strategies and programs to prevent the incidence and/or severity of injuries and illnesses and optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): Admission into M.ATR. program. (Variable)

AT 6260 (42T:250). Orthopaedic Surgical Interventions — 3 hrs.
In-depth study of pathological, biomechanical, and neuromuscular mechanisms of musculoskeletal injuries and the study of orthopaedic surgical interventions commonly performed for musculoskeletal injuries suffered by the physically active. Prerequisite(s): Admission into the Masters of Athletic Training program or Masters of Science in Athletic Training graduate program (Variable)

AT 6275. Mental Health Care in Athletic Training Practice — 3 hrs.
This course promotes the understanding of mental health care as it relates to athletic training practice and the coordination of care as it pertains to athletic training patients. The focus of this course includes the understanding of mental health disorders, diagnostic criteria, appropriate referral to qualified health care providers, and treatment options. The course will also address patient response to orthopedic injury and its interdependent relationship with activity limitations and participation restrictions. Prerequisite(s): Admission into the Athletic Training graduate program. (Variable)

Special topics in athletic training and/or other allied health professions as indicated in the Schedule of Classes. May be repeated for credit. Prerequisite(s): admitted into the Doctor of Education Rehabilitation Studies intensive study area and/or the Master of Science Athletic Training degree program. (Fall and Spring)

AT 6297 (42T:297). Practicum — 1-4 hrs.
Practical experience in athletic training which includes, but is not limited to teaching, research, and clinical practice. May be repeated for maximum of 8 hours. Prerequisite(s): admitted into the Doctor of Education Rehabilitation Studies intensive study area and/or the Master of Science Athletic Training degree program. (Fall and Spring)

AT 6300. Advanced Gross Human Anatomy — 3 hrs.
The exploration of human anatomy through human cadaver dissection. Prerequisite(s): consent of AT Division. (Variable)

In-depth examination of current theories and practices relevant to the field of athletic training. Building on foundational theory, students will analyze and critique the clinical practices and philosophies of certified athletic trainers and/or other allied health professionals. Prerequisite(s): admitted into the Doctor of Education Rehabilitation Studies intensive study area. (Variable)

AT 7320 (42T:310). Clinical Teaching Skills in Allied Health Professions — 3 hrs.
Examination of issues and problems in teaching clinical proficiencies including the roles of clinical instructors, factors affecting teaching and the learning environment, learning over time, course planning, and teaching strategies. Prerequisite(s): admission into the Doctor of Education Rehabilitation intensive study area. (Variable)