

Athletic Training Courses (AT)

Courses

AT 1010. Introduction to Athletic Training & Clinical Healthcare — 3 hrs.

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

AT 1018. Prevention and Care of Athletic Injuries — 2 hrs.

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): KINES 2050 or AT 3020. (Fall, Spring, Summer)

AT 1019. Prevention and Care Laboratory — 1 hr.

Laboratory experiences in athletic injury prevention and care including taping and wrapping. Prerequisite(s) or corequisite(s): AT 1018. (Fall and Spring)

AT 2000. Clinical Healthcare Experience — 1 hr.

Practical experience in health care settings. May be repeated for maximum of 8 hours. (Fall and Spring)

AT 3000. 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). (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. (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 Clinical Integration). (Summer)

AT 3020. Clinical & Gross Human Anatomy — 3 hrs.

Clinically relevant anatomy of the human body which includes palpation, range of motion assessment, neurological testing, structure identification and function, as well as prosected gross human anatomy structure identification. (Spring)

AT 3030. Acute Care — 3 hrs.

Foundational theory, ethics, components, indications, and psychomotor skills of acute and emergency care. (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; Corequisite(s): AT 3030. (Fall)

AT 3040. Foundations of Orthopedic Injury Assessment & Pathology I — 3 hrs.

Foundational recognition and understanding of injuries and conditions occurring to the lower extremities. Prerequisite(s): AT 3020 or consent of instructor. (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. Prerequisite(s): AT 3020. Corequisite(s): AT 3040. (Fall)

AT 3050. Foundations of Orthopedic Injury Assessment & Pathology II — 3 hrs.

Foundational recognition and understanding of injuries and conditions occurring to the upper extremities, torso, axial skeleton, and head. Prerequisite(s): AT 3040 or consent of instructor. (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. Prerequisite(s): AT 3040. Corequisite(s): AT 3050. (Spring)

AT 3060. Athletic Training Administration and Professional Development — 3 hrs.

Entry-level theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): AT 1010; junior standing. (Variable)

AT 3072. Therapeutic Interventions Clinical Skills I — 1 hr.

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3070. Prerequisite(s): AT 1010; AT 3011; AT 3020; junior standing. Corequisite(s): AT 3070. (Fall)

AT 3080. Therapeutic Interventions II — 3 hrs.

Entry-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; AT 3020; 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. Prerequisite(s): AT 3020; AT 3070; junior standing. Corequisite(s): AT 3080. (Spring)

AT 3091. Foundations of Pharmacology — 3 hrs.

Effects, indications, and contraindications of common therapeutic medications as it relates to general medical conditions. Prerequisite: department consent. (Variable)

AT 3110. 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. (Variable)

AT 3120. Clinical Decision Making in Athletic Training and Orthopedic Pathology I — 3 hrs.

Entry-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. (Fall)

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AT 3125. Clinical Decision Making in Athletic Training & Orthopedic Pathology II — 3 hrs.

Entry-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. (Spring)

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): AT 3011; AT 3020; AT 3030; AT 3050; junior standing. (Variable)

AT 3300. Gross Human Anatomy — 3 hrs.

The exploration of human anatomy through human cadaver dissection. Prerequisite(s): Consent of AT Program. (Variable)

AT 4030/5030. 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. (Variable)

AT 4032/5032. Advanced Acute Care Clinical Skills — 1 hr.

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4030/5030. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

AT 4070. Foundations of Therapeutic Interventions & Rehabilitation — 3 hrs.

Foundational study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions. Prerequisite(s): AT 3050 or consent of instructor. (Fall)

AT 4072/5072. Advanced Therapeutic Interventions I Clinical Skills — 1 hr.

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4270/5270. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

AT 4100/5100. 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, and structure identification and function. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

AT 4130. General Medical Conditions — 3 hrs.

Foundational study of general medical conditions and disabilities commonly seen by healthcare providers. Prerequisite(s): AT 3020. (Variable)

AT 4140. Current Trends in Athletic Training — 2 hrs.

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

AT 4150. Athletic Training Seminar — 2 hrs.

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

AT 4160. Evidence Based Practice in Health Care — 3 hrs.

This course will provide an in-depth analysis of the concept and process of evidence-based decision making as it applies to health care. The concept de-emphasizes sole reliance on non-systematic approaches such as intuition, experience, and mechanism based reasoning as justification for making clinical decisions, and emphasizes the incorporation of science, systematic outcomes assessment, and patient values into the process. Students will learn the skills and the application of formal rules of evidence in reviewing clinical research and assessing patient outcomes. Students will search and review current literature, including experimental and observation research, case studies, position statements, comprehensive reviews, and clinical guidelines that are directed toward the treatment and rehabilitation of musculoskeletal injuries. Prerequisite(s): junior standing. (Spring)

AT 4210/5210. 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 lower body. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

AT 4215/5215. Pathoetiology and Orthopaedic Assessment I Clinical Skills — 1 hr.

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4210/5210. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

AT 4270/5270. 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 4100/5100; AT 4550/5550. (Variable)

AT 4550/5550. 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.A.T.R. program. (Variable)

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 6060. Athletic Training Organization & Professional Responsibility — 3 hrs.

Theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): Admission into M.A.T.R. 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 4270/5270. (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 6130. General Medical Assessment & Intervention — 3 hrs.

Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): Admission into M.ATR. program. (Variable)

AT 6220. 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 upper body. Prerequisite(s): Admission into the Master of Athletic Training 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. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6240. 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): NATABOC certification; admission into the athletic training graduate program. (Variable)

AT 6250. 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): NATABOC certification; admission into the athletic training graduate program. (Odd Falls)

AT 6255. Health Assessment & Preventive Practices — 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 to the M.ATR. program. (Variable)

AT 6260. Gross Human Anatomy & Orthopedic Surgical Interventions — 3 hrs.

Exploration of human anatomy through human cadaver dissection, along with an in-depth study of pathological, biomechanical, and neuromuscular mechanisms of musculoskeletal injuries and the study of orthopedic surgical interventions commonly performed for musculoskeletal injuries. Prerequisite(s): Admission to the M.ATR. 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 to the M.ATR. program. (Variable)

AT 6289. Seminar in Athletic Training — 1-8 hrs.

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): Admission to the M.ATR. program. (Fall and Spring)

AT 6297. 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): Admission to the M.ATR. 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 Program. (Variable)

AT 7310. Critical Theories and Practices in Rehabilitation — 3 hrs.

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): Admission to the M.ATR. program. (Variable)

AT 7320. 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 to the M.ATR. program. (Variable)