

ATHLETIC TRAINING (ATTR)

ATTR 500 Bracing, Taping, and Wrapping 2 Credit Hour(s)

Prerequisite: BIOM 513 (may be taken concurrently)

This class is designed to provide hands-on opportunities for clinical application of preventive and treatment bracing, taping, and wrapping techniques for patients associated with the profession of athletic training.

Registration Restrictions: Admission into the MS in Athletic Training program

Offered: Residential

ATTR 501 Foundations of Athletic Training 3 Credit Hour(s)

Students will be provided with an overview of the foundational components within the profession of Athletic Training. Topics include: Introduction to Athletic Training professional responsibilities and risk management; Overview of the basic pathologies pertaining to physically active individuals and sports related injuries, management skills, musculoskeletal conditions, and general medical conditions.

Offered: Residential

ATTR 503 Emergency Care 3 Credit Hour(s)

Advanced level of emergency care and risk management/or individuals who have a job-related "duty to respond." This course includes such topics as: Basic anatomy review; CPR/ AED review, patient assessment; shock; bleeding; burns; oxygen and airway care; spine board use; environmental injuries; and other medical emergencies. Lab experiences included.

Offered: Residential

ATTR 505 Healthcare Translational Research and Statistics 3-4 Credit Hour(s)

Students will learn about Evidence-Based Practice in theory and application, with a focus on clinical translational research. Students will learn of the importance of "bedside" and "bench" research and how the two types of research complement each other. Students will learn the details of how to develop and implement patient-oriented outcomes and surveys into practice for continual improvement through the action research model. Additionally, they will learn how to analyze and reflect on outcomes data from a clinical perspective. Lastly, students will be exposed to basic statistical analysis of data necessary for bench research.

Registration Restrictions: Student must be in good standing in the Master of Science in Athletic Training degree program.

Offered: Residential

ATTR 510 Clinical Integrations I 1 Credit Hour(s)

This course will be to provide students with clinical integration experiences to prepare them to professionally interact with a wide variety of patients across cultures. This course will also help students learn how to utilize their Christian faith to guide their professional clinical interactions in the Athletic Training Profession. Classroom and Clinical Education rotation with emphasis in clinical competencies associated with the application of extremity taping/wrapping and emergency care of athletic injuries through Standard Patient scenarios and clinical experiences.

Registration Restrictions: Student must be in good standing in the Master of Science in Athletic Training degree program.

Offered: Residential

ATTR 511 Clinical Integration II 1 Credit Hour(s)

Prerequisite: ATTR 510

Classroom and Clinical Integrated Education with emphasis on the principles of conducting hands-on physical examinations for injuries to the axial skeleton through Standard Patient scenarios and clinical experiences.

Offered: Residential

ATTR 520 Examination and Treatment I 4-5 Credit Hour(s)

This course will use lecture and laboratory experiences to educate students on how to evaluate orthopedic related injuries and provide evidence-based patient care to treat those injuries. This will include the application, instruction, progression and probable outcomes of the use of therapeutic exercises and modalities used in athletic training to return patients with a foot or lower leg injury to their preinjury status.

Registration Restrictions: Student must be in good standing in the Master of Science in Athletic Training degree program.

Offered: Residential

ATTR 525 Examination and Treatment II 4-5 Credit Hour(s)

Prerequisite: ATTR 520

This course will use lecture and laboratory experiences to educate students on how to evaluate lower extremity orthopedic related injuries and provide evidence-based patient care to treat those injuries. This will include the application, instruction, progression and probable outcomes of the use of therapeutic exercises and modalities used to return patients with a knee, patellofemoral hip, and low back injury to their preinjury status.

Registration Restrictions: Student must be in good standing in the Master of Science in Athletic Training degree program.

Offered: Residential

ATTR 530 Examination and Treatment III 5-6 Credit Hour(s)

Prerequisite: ATTR 525

This course will use lecture and laboratory experiences to educate students on how to evaluate upper extremity orthopedic related injuries and provide evidence-based patient care to treat those injuries. This will include the application, instruction, progression and probable outcomes of the use of therapeutic exercises and modalities used to return patients with a C-spine, Concussion, Shoulder, Elbow, Hand/Wrist injury.

Offered: Residential

ATTR 540 Examination and Treatment IV 4 Credit Hour(s)

Prerequisite: ATTR 520 and ATTR 525

Recognition and treatment of medical conditions and disabilities of patients involved in physical activity. Application of pharmacological principles in the treatment of illness, injury, and disease for a physically active population. Includes lecture and laboratory experiences.

Offered: Residential

ATTR 541 Pharmacology 2 Credit Hour(s)

Prerequisite: ATTR 520 and ATTR 525

Students will learn the principles of pharmacology, including receptor mechanisms, drug distribution and metabolism, and pharmacokinetics. Lectures and tutorials on the interactions of drugs and biological systems as a basis for rational disease therapy as it relates to the physically active patient.

Offered: Residential

ATTR 600 Healthcare Administration 2-3 Credit Hour(s)

Prerequisite: ATTR 540 and ATTR 541

A study of the problems and considerations involved in the successful management of healthcare. Areas of discussion include: budget; facility design; ordering and inventory; and legal liability.

Offered: Residential

ATTR 601 Healthcare Leadership and Patient Interactions 2 Credit Hour(s)

Prerequisite: ATTR 600

This course will be to provide students with leadership skills to prepare them to interact with a wide variety patients across cultures. This course will also help students learn how to utilize their Christian faith to guide their ethical decision making process as it relates to clinical interactions in healthcare.

Offered: Residential

ATTR 610 Clinical Integration III 2 Credit Hour(s)

Prerequisite: ATTR 511

Classroom and Clinical Education rotation with emphasis in clinical competencies associated with the evaluation of general medical conditions in a non-athletic population through clinical experiences.

Offered: Residential

ATTR 611 Clinical Integration IV 3 Credit Hour(s)

Prerequisite: ATTR 610

Classroom and Clinical Integrated Education with emphasis on the principles of conducting hands-on physical examinations for injuries to the axial skeleton through Standard Patient scenarios and clinical experiences.

Offered: Residential

ATTR 612 Clinical Integrations V 2 Credit Hour(s)

Prerequisite: ATTR 611

ATTR 620 Manual Therapy Techniques 3 Credit Hour(s)

Prerequisite: ATTR 520 and ATTR 525 and ATTR 530

Lecture and laboratory experiences will include the application, instruction, progression and clinical outcomes of manual therapy techniques used in sports medicine to provide advanced care to patients during rehabilitation. Students will earn training in manual therapy techniques that include certifications in Graston technique and Corrective Exercise Specialist.

Offered: Residential

ATTR 625 Musculoskeletal Diagnostic Imaging 2-3 Credit Hour(s)

Prerequisite: ATTR 520 and ATTR 525 and ATTR 530 and ATTR 540

A study of theories and principles of uses of different diagnostic testing to enhance the diagnosis of injuries. Includes lecture, laboratory, and clinical experiences.

Offered: Residential

ATTR 630 Behavioral and Population Health 3 Credit Hour(s)

Prerequisite: ATTR 601

Didactic learning and clinical application of knowledge in the areas of Behavioral Health concerns and modifications, Healthcare delivery strategies and Patient center Health Advocacy.

Offered: Residential

ATTR 680 Clinical Reasoning 3 Credit Hour(s)

Prerequisite: ATTR 505 and ATTR 611

Students will collaborate with a faculty mentor to collect, analyze, and synthesize data for the student's needs assessment and collected patient outcomes project from ATTR 511 & 611 Scientific reading and writing experience will be gained in the form of developing a publishable Critically Appraised Topic, and Case Study/Series to be sent for peer review publication and/or presentation of the project.

Offered: Residential

ATTR 689 Thesis Proposal 3 Credit Hour(s)

Prerequisite: ATTR 505

Students will collaborate with a faculty mentor to develop the student's thesis proposal. At the completion of this course the student will be ready to begin data collection. Students will gain knowledge and experience with scientific reading and writing.

Offered: Residential

ATTR 690 Thesis Defense 3 Credit Hour(s)

Prerequisite: ATTR 689

Students will collaborate with a faculty mentor to collect, analyze, and synthesize data for the student's thesis. Scientific reading and writing experience will be gained in the form of developing a research abstract and manuscript to be sent for peer review publication and/or presentation of the thesis.

Offered: Residential