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: Resident

ATTR 501  Foundations of Athletic Training  3 Credit Hour(s)
Prerequisite: ATTR 500
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: Resident

ATTR 503  Emergency Care  3 Credit Hour(s)
Prerequisite: ATTR 500 and ATTR 501 (may be taken concurrently)
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: Resident

ATTR 505  Healthcare Translational Research and Statistics  4 Credit Hour(s)
Prerequisite: ATTR 501 and ATTR 503
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.
Offered: Resident

ATTR 510  Clinical Integrations I  1 Credit Hour(s)
Prerequisite: ATTR 501 and ATTR 503
This course will be to provide students with clinical integration experiences to prepare them to professionally interact with a wide variety 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.
Offered: Resident

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: Resident

ATTR 520  Examination and Treatment I  4 Credit Hour(s)
Prerequisite: ATTR 501 and ATTR 503
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.
Offered: Resident

ATTR 525  Examination and Treatment II  4 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.
Offered: Resident

ATTR 530  Examination and Treatment III  5 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: Resident

ATTR 540  Examination and Treatment IV  4 Credit Hour(s)
Prerequisite: ATTR 530
Recognition and treatment of medical conditions and disabilities of patients involved in physical activity. Application of pharmacological principles in the treatment of illness1 injury1 and disease for a physically active population. Includes lecture and laboratory experiences.
Offered: Resident

ATTR 541  Pharmacology  2 Credit Hour(s)
Prerequisite: ATTR 540
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: Resident

ATTR 600  Healthcare Administration  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: Resident
ATTR 601  Healthcare Leadership and Patient Instructions  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: Resident

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: Resident

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: Resident

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: Resident

ATTR 625  Musculoskeletal Diagnostic Imaging  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: Resident

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: Resident

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: Resident

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: Resident

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: Resident