

ATTR - ATHLETIC TRAINING

ATTR 642 Clinical Decision Making and Evidence Based Practice I

Credit 1. 2 Lab Hours. Application of the evidence-based approach to clinical practice and decision making based on real patient cases as part of clinical rotations in addition to simulated cases; clinical competencies coordinated with concurrent courses to link theory into practice.

ATTR 643 Clinical Decision Making and Evidence Based Practice II

Credit 1. 2 Lab Hours. Application of the evidence-based approach to clinical practice and decision making based on real patient cases students encounter as part of clinical rotations in addition to simulated cases; clinical competencies coordinated with concurrent courses to link theory into practice.

ATTR 645 Corrective Techniques and Progressive Exercise for Return to Function

Credit 1. 2 Lab Hours. Focus on corrective techniques to restore movement patterns; development of sequential and progressive rehabilitation programs for return to function.

ATTR 646 Transition to Practice

Credit 1. 2 Lab Hours. Culmination and integration of all previous clinical courses in preparation to transition to practice; fulfillment of athletic training domains and competencies. **Prerequisites:** Concurrent enrollment in ATTR 656.

ATTR 650 Emergency Management

Credits 2. 1 Lecture Hour. 2 Lab Hours. Focus on evaluation and management of patients with acute conditions, including triaging conditions that are life threatening or otherwise emergent and could lead to sudden death; topics include identification of risk factors and preparation of emergency action plans in collaboration with other health care and wellness professionals. **Prerequisites:** Enrollment in the MS athletic training program.

ATTR 651 Clinical Education I

Credit 1. 0 Lecture Hours. 1 Other Hour. Immersive supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidenced based care.

ATTR 652 Clinical Education II

Credits 2. 0 Lecture Hours. 2 Other Hours. Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 651; concurrent enrollment in ATTR 642.

ATTR 653 Clinical Education III

Credits 2. 0 Lecture Hours. 2 Other Hours. Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 652; concurrent enrollment in ATTR 643.

ATTR 654 Clinical Education IV

Credits 2. 0 Lecture Hours. 2 Other Hours. Immersive supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidenced based care. **Prerequisite:** ATTR 653.

ATTR 655 Clinical Education V

Credits 2. 2 Other Hours. Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 654; concurrent enrollment in ATTR 645.

ATTR 656 Clinical Education VI

Credits 2. 0 Lecture Hours. 2 Other Hours. Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 655; concurrent enrollment in ATTR 646.

ATTR 660 Foundations of Athletic Training Practice

Credits 2. 2 Lecture Hours. Professional roles and responsibilities of the athletic trainer in healthcare; core competencies in healthcare; concepts of the disablement model; identification of and control of risks to participants; concepts of best practice as applied to clinical problems. **Prerequisite:** Enrollment in MS Athletic Training program.

ATTR 661 Essential Clinical Skills

Credits 2. 1 Lecture Hour. 2 Lab Hours. Exploration of essential athletic training skills for application in various patient care settings; focus on the selection, fabrication and application of prophylactic, assistive and restrictive devices; development of basic musculoskeletal examination skills including patient history and documents; development of skills related to conducting pre-participation examinations.

ATTR 662 Clinical Examination and Diagnosis - Lower Extremity and Spine

Credits 4. 3 Lecture Hours. 3 Lab Hours. Pathomechanics, clinical examination, diagnosis and appropriate medical referral of orthopedic injuries and other conditions to the lower extremity and spine.

ATTR 663 Clinical Examination and Diagnosis-Lower Extremity Lab

Credit 1. 2 Lab Hours. Laboratory to accompany ATTR 662; application of theories and skill practice. **Prerequisites:** Concurrent enrollment in ATTR 662; enrollment in MS Athletic Training program.

ATTR 664 Clinical Examination and Diagnosis - Upper Extremity, Cervical Spine and Head

Credits 4. 3 Lecture Hours. 3 Lab Hours. Pathomechanics, clinical examination, diagnosis and appropriate medical referral of orthopedic injuries and other conditions to the upper extremity, cervical spine and head.

ATTR 665 Clinical Examination and Diagnosis-Upper Extremity Lab

Credit 1. 0 Lecture Hours. 2 Lab Hours. Laboratory to accompany ATTR 664; application of theories and skill practice. **Prerequisites:** Concurrent enrollment in ATTR 664; enrollment in MS Athletic Training program.

ATTR 666 Therapeutic Intervention II - Therapeutic Exercise

Credits 4. 3 Lecture Hours. 3 Lab Hours. The study of physical rehabilitation theory and techniques used as a therapeutic intervention for orthopedic injuries and conditions.

ATTR 667 Physical Rehabilitation Lab

Credit 1. 0 Lecture Hours. 2 Lab Hours. Laboratory to accompany ATTR 666; application of theories and skill practice. **Prerequisites:** Concurrent enrollment in ATTR 666; enrollment in MS Athletic Training program.

ATTR 668 Therapeutic Intervention I - Therapeutic Modalities

Credits 4. 3 Lecture Hours. 3 Lab Hours. Focus on the study of theories and principles in the use of various therapeutic interventions to treat injuries to the physically active; focus on the timing and healing phases as indicators of appropriate interventions and in relation to therapeutic modalities and therapeutic exercise to formulate injury care plans.

ATTR 669 Therapeutic Modalities Lab

Credit 1. 0 Lecture Hours. 2 Lab Hours. Laboratory to accompany ATTR 668; application of theories and skill practice. **Prerequisites:** Concurrent enrollment in ATTR 668; enrollment in MS Athletic Training program.

ATTR 670 General Medical Conditions and Therapeutic Medication

Credits 2. 2 Lecture Hours. 1 Lab Hour. Pathophysiology, assessment, and appropriate intervention and referral for general medical conditions and disabilities; common diagnostic tests and imaging assessment tools including commonly used therapeutic medications. **Prerequisite:** Enrollment in MS Athletic Training program.

ATTR 671 Healthcare Administration, Management, and Delivery Strategies in Athletic Training

Credits 3. 3 Lecture Hours. Administration and allocation of athletic training healthcare services and delivery strategies including informatics, risk management, communication, quality improvement, and policy and procedures of healthcare systems; examination of resource acquisition, budgetary models, and financial considerations.

ATTR 672 Professional Preparation and Issues in Athletic Training

Credits 3. 3 Lecture Hours. Knowledge and skills for successful pursuit of athletic training credentials, employment and continuing professional competencies; emphasis on current topics and issues contributing to the professional preparation of athletic training. **Prerequisite:** Enrollment in MS Athletic Training program.

ATTR 673 Therapeutic Interventions III - Manual Therapy

Credits 2. 2 Lecture Hours. 1 Lab Hour. Manual therapy theory and techniques used as a therapeutic intervention for orthopedic injuries and conditions; indications and contradictions for the use of manual therapy; development of skills in soft tissue assessment; application of manual and tool assisted techniques.

ATTR 674 Behavioral Health

Credit 1. 1 Lecture Hour. Focus on evidence-based, culturally competent care within the scope of practice for athletic trainers to identify, manage, and appropriately refer patients with behavioral health problems; emphasis on developing policies and procedures, available resources, and interprofessional collaboration.

ATTR 675 Evidence Based Practice and Clinical Research

Credits 3. 3 Lecture Hours. Principles and methods of research in athletic training practice to enhance clinical decision-making and problem-solving skills by implementation of evidence-based practice methods, including defining clinical questions, searching the literature, critically appraising the literature and implementation of new treatment plans based on the latest evidence.

ATTR 676 Performance Enhancement in Sport

Credits 3. 3 Lecture Hours. Focus on the development of comprehensive programs that are safe and effective to minimize injury and maximize sport performance and overall health; emphasis on fluids and nutrients, strength training and conditioning, functional movement screening as well as the selection and use of biometrics and physiological monitoring systems. **Prerequisites:** Enrollment in MS athletic training program.

ATTR 677 Research Capstone

Credits 3. 3 Lecture Hours. Conduction of faculty-supervised small group research projects including formulation of a research question, research design, data collection, data analysis and manuscript preparation; participation in presentation of the project at a formal graduate research colloquium.

ATTR 689 Special Topics in...

Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours. Selected topics in an identified area of athletic training. May be repeated for credit. **Prerequisites:** Approval of department head.