

# 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 3. 3 Lecture Hours.**

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.