**ATTR - ATHLETIC TRAINING**

**ATTR 651 Clinical Education I**
**Credits 2. 1 Lecture Hour. 8 Lab Hours.**
Integration of clinical competencies with classroom instruction and a supervised field based experience in athletic training to link theory into practice.
**Prerequisite:** Enrollment in MS Athletic Training program.

**ATTR 652 Clinical Education II**
**Credits 3. 1 Lecture Hour. 16 Lab Hours.**
Integration of clinical competencies with classroom instruction and a supervised field based experience in athletic training to link theory into practice.
**Prerequisite:** ATTR 651, ATTR 660, ATTR 661 with grades of C or better.

**ATTR 653 Clinical Education III**
**Credits 3. 1 Lecture Hour. 16 Lab Hours.**
Integration of clinical competencies with classroom instruction and a supervised field based experience in athletic training to link theory into practice.
**Prerequisite:** ATTR 652, ATTR 662, ATTR 663, ATTR 668, ATTR 669 with grades of C or better.

**ATTR 654 Clinical Education IV**
**Credits 2. 1 Lecture Hour. 8 Lab Hours.**
Integration of clinical competencies with classroom instruction and a supervised field based experience in athletic training to link theory into practice.
**Prerequisite:** ATTR 653 with a grade of C or better.

**ATTR 655 Clinical Education V**
**Credits 3. 1 Lecture Hour. 16 Lab Hours.**
Integration of clinical competencies with classroom instruction and a supervised field based experience in athletic training to link theory into practice.
**Prerequisite:** ATTR 654, ATTR 664, ATTR 665, ATTR 671 with grades of C or better.

**ATTR 656 Clinical Education VI**
**Credits 3. 1 Lecture Hour. 16 Lab Hours.**
Integration of clinical competencies with classroom instruction and a supervised field based experience in athletic training to link theory into practice.
**Prerequisite:** ATTR 655, ATTR 666, ATTR 667, ATTR 670 with grades of C or better.

**ATTR 660 Prevention and Care of Athletic Injuries**
**Credits 3. 3 Lecture Hours.**
Prevention strategies and procedures, recognition and care of common injuries and conditions; foundational concepts and principles of the athletic training profession.
**Prerequisite:** Enrollment in MS Athletic Training program.

**ATTR 661 Prevention and Care of Athletic Injuries Lab**
**Credit 1. 2 Lab Hours.**
Laboratory to accompany ATTR 660; application of theories and practice skills.
**Prerequisite:** Concurrent enrollment in ATTR 660.

**ATTR 662 Clinical Examination and Diagnosis-Lower Extremity**
**Credits 3. 3 Lecture Hours.**
Pathomechanics, clinical examination, diagnosis and appropriate medical referral of orthopedic injuries and other conditions to the lower extremity and spine.
**Prerequisite:** Enrollment in MS Athletic Training program.

**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**
**Credits 3. 3 Lecture Hours.**
Pathomechanics, clinical examination, diagnosis and appropriate medical referral of orthopedic injuries and other conditions to the upper extremity, head and cervical spine.
**Prerequisite:** ATTR 662.

**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 Physical Rehabilitation**
**Credits 3. 3 Lecture Hours.**
The study of physical rehabilitation theory and techniques used as a therapeutic intervention for orthopedic injuries and conditions.
**Prerequisite:** Enrollment in MS Athletic Training program.

**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 Modalities**
**Credits 3. 3 Lecture Hours.**
A detailed study of modern therapeutic devices used in the treatment and rehabilitation of orthopedic injuries and conditions.
**Prerequisite:** Enrollment in MS Athletic Training program.

**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 Organization and Administration in Athletic Training**
**Credits 3. 3 Lecture Hours.**
Organization and administration of athletic training services including financial, human resources, facility, information technology and risk management.
**Prerequisite:** Enrollment in MS Athletic Training program.
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 Manual Therapy in Athletic Training  
Credits 2. 1 Lecture Hour. 2 Lab Hours.  
Manual therapy theory and techniques used as a therapeutic intervention for orthopedic injuries and conditions; indications and contradictions for the use of manual therapy; skill development in soft tissue assessment; application of manual and tool assisted techniques.  
Prerequisite: Enrollment in MS athletic training program.  

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.