**MS Course Descriptions:**

**HNES 702  Introduction to Advanced AT and Professionalism (1 cr)**
This course will include discussion of the expectations and responsibilities of the post-professional athletic trainer’s transition into graduate school and as a professional healthcare provider. The content will be focused on information and tools to adjust to the new roles and responsibilities.

**HNES 710  Recent Literature and Research (3 cr)**
Directed readings and class discussions of recent literature, steps involved in problem solving, and critical analysis of research in the field.

**HNES 720  Advanced Emergency Care (3 cr)**
This course will introduce advanced emergency care techniques as well as reinforce basic knowledge already learned in previous course work. Certified Athletic Trainers are expected to perform life-saving measures and this course will develop the skills needed to treat athletes and lay public with evidence based medical care.

**HNES 722  Evidence Based Orthopedic Evaluation (3 cr)**
This course will involve investigation, discussion, and reflection of the research on clinical orthopedic special tests to allow the student to implement evidence based clinical examinations.

**HNES 723  Advanced Sports Medicine Techniques (3 cr)**
This course will introduce students to current practices and techniques in the field of Sports Medicine. Areas of focus will be manual medicine techniques and the Kinesio Taping® method. Students will have the option of obtaining the Certified Kinesio Taping® Practitioner (CKTP) credential following completion of the necessary requirements.

**HNES 786  Diagnostic Ultrasound – Shoulder and Knee Basics (3 cr)**
This course will introduce students to normal tissue characteristics, common pathology characteristics, and shoulder and knee protocols with musculoskeletal ultrasound.

**HNES 787  Evidence Based Therapeutic Modalities (3 cr)**
An advanced comprehensive examination of therapeutic modalities through readings, discussion, hands on practice, and research. Emphasis will be on the current literature, how recent research fits into clinical practice, and new modalities/techniques.

**HNES 788  Diagnostic Ultrasound – Case Studies and Ankle Basics (3 cr)**
This course will introduce students to the normal tissue characteristics and common pathology characteristics of the ankle evaluation protocol with musculoskeletal ultrasound. In addition, students will perform shoulder, knee and ankle evaluations on patients in the clinical setting (NDSU athletic training room) to practice their diagnostic ultrasound examination skills and have a better understanding of common pathologies.

**HNES 798  Thesis (6 cr)**
Original investigation under the supervision of a major advisor and a supervisory committee.