

# Minnesota State University Moorhead

## AT 323L: Therapeutic Modalities Lab

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: \*.\*

Lab Hours/Week: 1

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: AT 323

MnTC Goals: None

The student will demonstrate the ability to apply therapeutic modalities. This includes determining inflammatory phase, indications, contraindications, and appropriate parameters for treatment of various contemporary therapeutic modalities. To be taken concurrently with AT 323.

**B. COURSE EFFECTIVE DATES:** 08/25/2008 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Assess the selection and use of therapeutic modalities for the control of acute and chronic pain.
2. Compare and contrast contemporary pain control theories.
3. Describe the electrophysics, biophysics, set up, indications, contraindications, and specific physiological effects associated with thermal, electrical, mechanical, and ultrasound modalities.
4. Determine the appropriate modality according to the treatment goals and objectives as they relate to wound healing and tissue repair.
5. Develop an understanding of the high school athletic training setting and discuss differences/similarities between high school and collegiate athletic training.
6. Discuss the use of therapeutic modalities as it relates to rehabilitation.
7. Identify the body's physiological responses during and following the application of therapeutic modalities.
8. Perform the appropriate patient preparation, positioning and setup for therapeutic modality application.
9. Perform various athletic training duties at the high school and college setting.
10. Selects and applies the appropriate and contemporary therapeutic modality.
11. Utilize assessment skills to determine a patient's specific therapeutic modality indications, contraindications, and precautions.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted