

# Minnesota State University Moorhead

## NURS 450: Applied Pathophysiology

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 4

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites:

This course requires the following prerequisite

NURS 301 - Transitions

Corequisites: None

MnTC Goals: None

This course focuses on alterations of selected physiological functions that occur in response to a disease process, or compensate for common stressors like inflammation or pain. The content builds upon previous understanding of anatomy, physiology, microbiology, basic chemistry, and the usual manifestations of common diseases. Using a systems theory framework, pathophysiological functions of cells and the interrelationships of body units are explored. Physiological theory and treatment implications are presented in video lecture format. Students demonstrate application of content by applying concepts of pathophysiology to clinical problems.

**B. COURSE EFFECTIVE DATES:** 03/04/2013 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Apply critical thinking in deliberative decision-making within the nursing process.
2. Communicate clearly and effectively.
3. Integrate concepts from the arts, humanities and sciences with nursing science as a basis for evidence based, professional nursing practice.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted