

Inver Hills Community College

EMS 2420: Pathophysiology for EMS

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Applies anatomy and physiology to common diseases and injuries encountered by EMS personnel. Students develop an understanding of how different disease processes interrupt normal bodily functions. Prerequisites: Acceptance to the Paramedic Core Program or instructor permission.

B. COURSE EFFECTIVE DATES: 08/26/2013 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Human anatomy (15%)
2. Normal human physiology (25%)
3. Disease pathology (50%)
4. Nutrition (10%)

D. LEARNING OUTCOMES (General)

1. Locate anatomical sites and their associated body systems.
2. Apply proper anatomical terms in both oral and written communication.
3. Explain the normal function of the major body systems.
4. Describe the organization of the body at both the atomic and chemical levels.
5. Categorize diseases based on the signs and symptoms of physiological alteration and the system(s) affected.
6. Hypothesize how a dysfunction in one body system may affect the proper function of another body system.
7. Devise a treatment plan for respiratory, cardiovascular, and endocrine emergencies based on the pathophysiological cause.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted