

EMS 250 Medical Emergencies

COURSE DESCRIPTION:

Prerequisites: EMS-122 **AND** EMS-130

Corequisites: None

This course provides an in-depth study of medical conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include appropriate interventions/treatments for disorders/diseases/injuries affecting the following systems: respiratory, neurological, abdominal/gastrointestinal, endocrine, genitourinary, musculoskeletal, and immunological as well as toxicology, infectious diseases and diseases of the eyes, ears, nose and throat. Upon completion, students should be able to recognize, assess and manage the care of frequently encountered medical conditions based upon initial patient assessment.

Course Hours per Week: Class, 3. Lab Hours per week, 3. Semester Hours Credit, 4.

LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to:

1. Perform a thorough medical assessment on simulated patients.
2. Identify signs and symptoms of common medical conditions/diseases.
3. Determine patient acuity after performing patient assessment on simulated patients.
4. Identify appropriate ways to move and transport patients with medical conditions.
5. Identify the underlying pathophysiology of medical chief complaints associated with all body systems listed above.
6. Provide appropriate prehospital treatment of simulated patients who present with medical chief complaints.
7. Administer medications indicated for medical emergencies.
8. Manage airway and ventilation in the context of a patient with medical emergencies.

OUTLINE OF INSTRUCTION:

- I. Didactic
 - A. Neurological Emergencies & Non-Traumatic Musculoskeletal Disorders
 - B. Abdominal & GI Emergencies
 - C. Immunology
 - D. Infectious Diseases
 - E. Endocrine Disorders
 - F. Psychiatric & Behavioral Emergencies
 - G. Hematology
- II. Skills
 - A. Urinary Catheters (straight/foley)
 - B. Arterial Lines
 - C. Epidural Catheters
 - D. Intravascular Catheters

E. Swan-Ganz Catheters

III. Scenarios

A. Immunology/Infectious Diseases

B. Endocrine

C. Medical

IV. Exams

A. Medical

REQUIRED TEXTBOOK AND MATERIAL:

AAOS: Sanders' Paramedic Textbook 5th Edition & Being Mortal