

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY EMS 135 – EMERGENCY MEDICAL CARE (2 CR.)

Course Description

Prepares the student to assess and manage patients with common medical emergencies.
Lecture 2 hours. Total 2 hours per week.

General Course Purpose

The purpose of this course is to introduce the student to a variety of medical related complaints, including pathophysiology, signs, symptoms and treatments.

Course Prerequisites/Corequisites

Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS.

Corequisite: EMS 136.

Course Objectives

Upon completing the course, the student will be able to:

- a) Discuss the epidemiology of medical disorders related to neurology, gastrointestinal, immunology, infectious disease, endocrine, psychiatric, toxicology and respiratory.
- b) Identify manifestations of medical disorders related to neurology, gastrointestinal, immunology, infectious disease, endocrine, psychiatric, toxicology and respiratory.
- c) Describe general assessment findings and considerations of medical disorders related to neurology, gastrointestinal, immunology, infectious disease, endocrine, psychiatric, toxicology and respiratory.
- d) Formulate an appropriate treatment plan for medical disorders related to neurology, gastrointestinal, immunology, infectious disease, endocrine, psychiatric, toxicology and respiratory.

Major Topics to be Included

- a) Concepts of Medical Complaints Related to Neurology
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- b) Concepts of Medical Complaints Related to Abdominal and Gastrointestinal Disorders
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- c) Concepts of Medical Complaints Related to Immunology
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- d) Concepts of Medical Complaints Related to Infectious Disease
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- e) Concepts of Medical Complaints Related to Endocrine Disorders
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions

- c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- f) Concepts of Medical Complaints Related to Psychiatric Disorders
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- g) Concepts of Medical Complaints Related to Toxicology
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- h) Concepts of Medical Complaints Related to Respiratory Disorders
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- i) Concepts of Medical Complaints Related to Hematology
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- j) Concepts of Medical Complaints Related to Gynecology
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- k) Concepts of Medical Complaints Related to Non-traumatic Musculoskeletal Disorders
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions
- l) Concepts of Medical Complaints Related to Diseases of the Eyes, Ears Nose, and Throat
 - a. Introduction and overview of conditions
 - b. Epidemiology of related conditions
 - c. General assessment findings and considerations
 - d. Appropriate treatment for conditions