

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: EMS 135 **Credits:** 2

Course Title: Emergency Medical Care

Course Description:

Prepares the student to assess and manage patients with common medical emergencies.

Prerequisites: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS. EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128. Corequisite: EMS 136.

Lecture 2 hours. Total 2 hours per week. 2 credits

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 and Co-requisites:

Prerequisites: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS. EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128

Corequisite: EMS 136

Student Learning Outcomes:

Upon completing the course, the student will be able to

- Discuss the epidemiology of medical disorders related to neurology, gastrointestinal, immunology, infectious disease, endocrine, psychiatric, toxicology, and respiratory;
- Identify manifestations of medical disorders related to neurology, gastrointestinal, immunology, infectious disease, endocrine, psychiatric, toxicology, and respiratory;
- Describe general assessment findings and considerations of medical disorders related to neurology, gastrointestinal, immunology, infectious disease, endocrine, psychiatric, toxicology, and respiratory; and
- 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
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- b. Concepts of Medical Complaints Related to Abdominal and Gastrointestinal Disorders
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions

- c. Concepts of Medical Complaints Related to Immunology
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- d. Concepts of Medical Complaints Related to Infectious Disease
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- e. Concepts of Medical Complaints Related to Endocrine Disorders
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- f. Concepts of Medical Complaints Related to Psychiatric Disorders
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- g. Concepts of Medical Complaints Related to Toxicology
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- h. Concepts of Medical Complaints Related to Respiratory Disorders
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- i. Concepts of Medical Complaints Related to Hematology
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- j. Concepts of Medical Complaints Related to Genitourinary/Renal
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- k. Concepts of Medical Complaints Related to Gynecology
 - Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- l. Concepts of Medical Complaints Related to Non-traumatic Musculoskeletal Disorders

- Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions
- m. Concepts of Medical Complaints Related to Diseases of the Eyes, Ears, Nose, and Throat
- Introduction and overview of conditions
 - Epidemiology of related conditions
 - General assessment findings and considerations
 - Appropriate treatment for conditions

Effective Date/Updated: September 21, 2018