

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
EMS 128 – AIRWAY, SHOCK AND RESUSCITATION LAB (1 CR.)

Course Description

Focuses on specific skills related to airway, resuscitation, and shock management.
 Laboratory 2 hours. Total 2 hours per week.

General Course Purpose

The purpose of this course is to teach the paramedic student the principal skills of airway management, resuscitation techniques and care of a patient in shock.

Course Prerequisites/Corequisites

Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS.
 Corequisite: EMS 127.

Course Objectives

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

- a) Perform airway management techniques safely and accurately in the laboratory setting.
- b) Demonstrate competency in the use of supraglottic airway devices.
- c) Demonstrate competency in the use of CPAP and PEEP.
- d) Demonstrate competency in CPR, AED use and management of the choking patient.
- e) Demonstrate competency in performing orotracheal intubation on a minimum of ten (10) adult patients in the laboratory setting.
- f) Demonstrate competency in performing nasotracheal intubation on a minimum of two (2) adult patients in the laboratory setting.
- g) Demonstrate competency in the use of fluid resuscitation in a patient suffering from shock.

Major Topics to be Included

- a) Airway Management Devices
 - a. Bag-Mask Techniques and Rescue Breathing for Adults and Children
 - b. Relief of Choking in Infants or Victims 1 Year of Age and Older
 - c. Supraglottic airway devices
 - d. CPAP
 - e. Endotracheal intubation
 - f. Nasotracheal intubation
- b) Cardiopulmonary Resuscitation
 - a. 1 & 2 Rescuer CPR for Adults, Children and Infants
 - b. Automated External Defibrillator
 - c. Post resuscitation care
- c) Shock Management
 - a. Identifying types of shock
 - b. Use of fluids in shock management
 - c. Considerations in geriatric and pediatric patient