

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: EMS 128

Credits: 1

Course Title: Airway, Shock, and Resuscitation Lab

Course Description: Focuses on specific skills related to airway, resuscitation, and shock management. Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS. Co-requisite: EMS 127. Laboratory 2 hours per week.

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

Course Prerequisites and Co-requisites:

Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS
Co-requisite: EMS 127

Student Learning Outcomes:

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; and
- g. Demonstrate competency in the use of fluid resuscitation in a patient suffering from shock.

Major Topics to Be Included:

- a. Airway Management Devices
 - Bag-Mask techniques and rescue breathing for adults and children
 - Relief of choking in infants or victims 1 year of age and older
 - Supraglottic airway devices
 - CPAP
 - Endotracheal intubation
 - Nasotracheal intubation
- b. Cardiopulmonary Resuscitation
 - 1 and 2 rescuer CPR for adults, children, and infants
 - Automated external defibrillator
 - Post-resuscitation care
- c. Shock Management
 - Identifying types of shock
 - Use of fluids in shock management
 - Considerations in geriatric and pediatric patients

Date Created/Updated (Month, Day, and Year): September 21, 2018