

**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