

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

**Course Prefix and Number:** EMS 140

**Courses:** 1

**Course Title:** Special Populations Lab

**Course Description:** Develops skills related to the assessment and management of patients in a specific population including pediatrics, geriatrics, obstetrics/gynecology (OB/GYN), bariatric, abuse, sexual assault and special needs. Prerequisites: EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128. Corequisite: EMS 139. Laboratory 2 hours per week.

**General Course Purpose:**

The purpose of this course is to teach the student principles of care and management of patients in special populations.

**Course Prerequisites and Co-requisites:**

Prerequisites: EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128

Corequisite: EMS 139

**Student Learning Outcomes:**

Upon completion of the course, the student will be able to

- a. Perform a normal delivery with newborn care on a patient in a laboratory setting;
- b. Perform a minimum of two (2) normal deliveries with newborn care in a scenario;
- c. Perform an abnormal delivery with newborn care on a patient in a laboratory setting;
- d. Perform a minimum of two (2) abnormal deliveries with newborn care in a scenario;
- e. Perform a neonatal resuscitation in a laboratory setting;
- f. Perform a minimum of two (2) neonatal resuscitations in a scenario;
- g. Perform a minimum of two (2) comprehensive normal physical assessments on a pediatric patient in a laboratory setting;
- h. Perform a minimum of two (2) comprehensive normal physical assessments on a pediatric patient in a scenario;
- i. Perform a minimum of two (2) needle cricothyrotomy with percutaneous translaryngeal ventilation procedures in a laboratory setting;
- j. Perform a minimum of four (4) needle cricothyrotomy with percutaneous translaryngeal ventilation procedures in a scenario; and
- k. Perform direct orotracheal intubation on a minimum of ten (10) pediatric patients in the laboratory setting.

**Major Topics to Be Included:**

- a. Childbirth
  - Normal cephalic delivery
  - Abnormal deliveries
  - Neonatal resuscitation

- b. Pediatric physical assessment
  - Comprehensive exam and care
  - Communication issues
  - Needle cricothyrotomy
  - Translaryngeal ventilation
  - Endotracheal intubation
  
- c. Geriatric physical assessment
  - Comprehensive exam and care
  - Accommodations in care
  - Communication issues

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