

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

Course Prefix and Number: EMS 139

Credits: 1

Course Title: Special Populations

Course Description: Focuses on the pre-hospital 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 140. Lecture 1 hour 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 140

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Discuss gynecological-related issues and management;
- b. Describe the stages of labor;
- c. Identify issues related to normal and abnormal labor and delivery;
- d. Identify differences in management of the pediatric patient;
- e. Identify differences in management of the geriatric patient;
- f. Describe issues related to patients with special health care needs; and
- g. Explain concepts related to neonatal resuscitation and care.

Major Topics to Be Included:

- a. Gynecology
 - Female reproductive system anatomy review
 - Menstrual and ovarian cycles
 - Abdominal/vaginal pain and bleeding
 - Consider pregnancy and/or sexually transmitted diseases
 - Sexual assault
 - Complications with the female reproductive system
- b. Obstetrics
 - Normal anatomical, physiological, and psychological changes in pregnancy
 - General system physiology, assessment, and management of the obstetrical patient.
 - Complications related to pregnancy
 - Complications of labor: pathophysiology, assessment, complications, management
 - Complications of delivery: pathophysiology, assessment, complications, management
- c. Pediatrics and Infants
 - Pediatric anatomical variations and assessment
 - Growth and development

- Pediatrics: specific pathophysiology, assessment, and management
 - Child abuse and neglect
 - Pediatrics developmental disabilities
 - Sudden Infant Death Syndrome
- d. Geriatrics
- Normal and abnormal changes associated with aging
 - Sensory changes
 - Pharmacokinetic change
 - Polypharmacy
 - Specific conditions that occur more frequently in the elderly
- e. Patients with Special Challenges
- Abuse and neglect
 - Homelessness/Poverty
 - Bariatric patients
 - Technology assisted/dependent
 - Hospice care and terminally ill
 - Tracheostomy care/dysfunction
 - Emotionally impaired
 - Physical needs/challenges
 - Patients with communicable diseases
 - Terminally ill patients
 - Mental needs/challenges
- f. Neonatal Care
- General pathophysiology, assessment, and management
 - Meconium stained amniotic fluid
 - Apnea in the neonate
 - Diaphragmatic hernia in the neonate
 - Resuscitation care
- g. Special Considerations in Trauma
- Trauma in pregnancy
 - Pediatric trauma
 - Geriatric trauma

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