

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

**Course Prefix and Number:** EMS 159

**Credits:** 3

**Course Title:** ALS – Special Populations

**Course Description:** Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Focuses on the assessment and management of specialty patients, including obstetrical, pediatric, neonates, and geriatrics. Prerequisites: EMS 151 and EMS 153. Prerequisite or Co-requisite: EMS 155. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**General Course Purpose:** To prepare the EMS student to assess, evaluate, and treat patients within the special populations and how to use assessment-based management.

**Course Prerequisites and Co-requisites:**

**Prerequisites:** EMS 151 and EMS 153

**Prerequisite or Co-requisite:** EMS 155

**Course Objectives:**

Upon completing the course, the student will be able to

- a. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the behavioral patient;
- b. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the psychiatric patient;
- c. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the gynecological patient;
- d. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the obstetrical patient;
- e. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the neonatal patient;
- f. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the pediatric patient;
- g. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the geriatric patient;
- h. Integrate the assessment findings to formulate a field impression and implement a treatment plan for the patient who has sustained abuse or assault;
- i. Integrate pathophysiological and psychosocial principles to adapt the assessment and treatment plan for diverse patients and those who face physical, mental, social, and financial challenges;
- j. Integrate the pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the acute deterioration of a chronic care patient; and
- k. Integrate the principles of assessment-based management to perform an appropriate assessment and implement the management plan for patients with common complaints.

**Major Topics to Be Included:**

- a. Behavioral emergencies
- b. Psychiatric emergencies
- c. Gynecology
- d. Obstetrics
- e. Behavioral neonatology
- f. Pediatrics
- g. Geriatrics
- h. Abuse and assault
- i. Patients with special challenges
- j. Acute interventions in chronic care patients
- k. Assessment-based management

**Effective Date of Course Content Summary:** July 14, 2014