

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

Course Prefix and Number: EMS 204

Credits: 2

Course Title: Advanced Patient Care Lab

Course Description: Focuses on the comprehensive assessment and management of out-of-hospital and inter-facility patients using scenario-based learning. Prerequisites: EMS 135, EMS 136, EMS 137, EMS 138, EMS 139, EMS 140, EMS 141, EMS 142. Co-requisite: EMS 203. Laboratory 4 hours per week.

General Course Purpose: The purpose of this course is to develop and assess the student's knowledge, understanding, analysis, and application of comprehensive patient care in a practical setting.

Course Prerequisites and Co-requisites

Prerequisites: EMS 135, EMS 136, EMS 137, EMS 138, EMS 139, EMS 140, EMS 141, EMS 142

Co-requisite: EMS 203

Student Learning Outcomes;

Upon completing the course, the student will be able to

- a. Provide care of a pediatric patient complaining of respiratory distress/failure in a scenario;
- b. Provide care of an adult patient with cardiac dysrhythmia/cardiac arrest in a scenario;
- c. Provide care of a geriatric patient presenting with signs and symptoms of a stroke in a scenario;
- d. Provide care of a patient with an obstetric or gynecologic complaint in a scenario;
- e. Provide care of a neonatal patient requiring resuscitation during delivery in a scenario;
- f. Provide care of a pediatric patient with a traumatic injury in a scenario;
- g. Provide care of an adult patient with a traumatic injury in a scenario;
- h. Provide care of a geriatric patient with signs and symptoms of sepsis in a scenario;
- i. Demonstrate the ability to perform surgical cricothyrotomy;
- j. Demonstrate competency in the management of a patient on a ventilator;
- k. Demonstrate competency in the use of ultrasound;
- l. Apply the concepts of lab value evaluation to patient assessment;
- m. Interact with patients with special challenges or cultural differences; and
- n. Provide care for a minimum of two (2) patients complaining of any of the following complaints: chest pain; overdose; abdominal pain; allergic reaction/anaphylaxis; hypoglycemia/DKA/HHNS; psychiatric; seizure; shock

Major Topics to Be Included:

- a. Comprehensive Patient Assessment
 - Medical patient
 - Trauma patient
 - Patient in special populations
 - Lab values

- b. Comprehensive Patient Care
 - Pharmacological interventions
 - Integrating advanced procedures
 - Clinical reasoning

- c. Therapeutic communication
 - Cultural considerations
 - Special challenges

- d. Advanced Procedures
 - Surgical airway
 - Ventilator management
 - Ultrasound

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