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. Provider 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/HNNS; 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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