Course Prefix and Number: EMS 138  Credits: 1

Course Title: Trauma Care Lab

Course Description: Focuses on the skills required for the assessment and management of patients with traumatic injury. Prerequisites: EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128. Corequisite: EMS 137. 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 complaining of traumatic injury.

Course Prerequisites and Co-requisites:
Prerequisite: EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128
Co-requisite: EMS 137

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Perform a minimum of two (2) trauma physical assessments on an adult patient in the laboratory setting;
b. Perform a minimum of two (2) trauma physical assessments on an adult patient in a scenario;
c. Demonstrate competency in initiating intravenous therapy in a minimum of five (5) scenarios;
d. Demonstrate competency administering an intravenous bolus;
e. Demonstrate competency in performing needle cricothyrotomy on a minimum of (2) patients in a laboratory setting;
f. Demonstrate competency in performing endotracheal intubation on a minimum of (2) adult patients suffering traumatic injury in the laboratory setting;
g. Demonstrate competency in initiating an intraosseous infusion in a minimum of two (2) scenarios; and
h. Demonstrate competency in the use of basic trauma management skills in the laboratory setting.

Major Topics to Be Included:

a. Trauma Patient Assessment
   ▪ Considerations in traumatic injuries
   ▪ Systematic approach
   ▪ Rapid trauma assessment
   ▪ Focused trauma assessment
b. Trauma Patient Management
   - Use of intravenous fluids
   - Consideration of intraosseous use
   - Perform cricothyrotomy
   - Endotracheal intubation on a trauma patient

   c. Basic Trauma Skills
   - Spinal immobilization (supine patient)
   - Spinal immobilization (seated patient)
   - Joint splinting
   - Long bone splinting
   - Traction splinting
   - Hemorrhage control

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