

## **NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY EMS 138 – TRAUMA CARE LAB (1 CR.)**

### **Course Description**

Focuses on the skills required for the assessment and management of patients with traumatic injury. Laboratory 2 hours. Total 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/Corequisites**

Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS.

Corequisite: EMS 137.

### **Course Objectives**

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 a 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.
- h) Demonstrate competency in the use of basic trauma management skills in the laboratory setting

### **Major Topics to be Included**

- a) Trauma Patient Assessment
  - a. Considerations in traumatic injuries
  - b. Systematic approach
  - c. Rapid trauma assessment
  - d. Focused trauma assessment
- b) Trauma Patient Management
  - a. Use of intravenous fluids
  - b. Consideration of intraosseous use
  - c. Consideration of intraosseous use
  - d. Endotracheal intubation on a trauma patient
- c) Basic Trauma Skills
  - a. Spinal immobilization (supine patient)
  - b. Spinal immobilization (seated patient)
  - c. Joint splinting
  - d. Long bone splinting
  - e. Traction splinting
  - f. Hemorrhage control