

## Course Outcomes Assessment

**Course Title: EMS 201 Shock/Trauma Resuscitation**

**Date: Spring 2014**

**Program Team: Donnie Lehman**

### **Expected Learning Outcomes:**

- Explain the pathophysiology of shock
- Apply concepts of anatomy and physiology of the circulatory system to explain the disruption of homeostasis that occurs in relation of hemorrhage, as well as the body's compensatory mechanisms for attempting to maintain homeostasis.
- Describe the differences in anatomy, physiology, pathophysiology, assessment, and management of adult, pediatric, geriatric, pregnant, bariatric patients
- Explain different cultural and religious beliefs regarding treatment and transport of injured patients.
- Describe indications, contraindications, advantages, disadvantages, precautions, and procedures for various pharmacological interventions for traumatic injuries.
- Evaluate various trauma scenes for on-going dangers to providers, patients, and the public.
- Identify common injury patterns based on assessing mechanism of injury.
- Given a variety of scenarios, develop management plans for patients with various traumatic injuries.
- Utilize the Maryland Trauma Tree to categorize trauma patients.

**Assessment** (How do or will students demonstrate achievement of each outcome?)

National Registry Skills	Pass/Fail
Quizzes	= 40%
Participation/Attendance	= 10%
Final Exam	= 50%

**Validation** (What methods have you used or will you use to validate your assessment?)

Students must pass each course with a 70% or greater, receive satisfactory marks in laboratory/clinical skills and affective domain in order to continue with program.

**Results** (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)

15/15 students obtained a 70% or higher in the course.

**Follow-up** (How have you used or how will you use the data to improve student learning?)

Evaluation of exam scores and NREMT certification results will be used to evaluate outcomes success and the need for additional resources.

14/15 students from the above results completed the paramedic program.  
10/15 passed the NR Practical Exam  
9/15 passed the NR Cognitive Exam  
3/15 will complete the paramedic program Spring 2015  
1/15 will complete the paramedic program Summer 2014  
1/15 has chosen not to test the NR exams for personal reasons.  
1/15 will need to retest the NR Cognitive Exam

**Budget Justification** (What resources are necessary to improve student learning?)

No changes needed.