

## Course Outcomes Assessment

**Course Title: EMS 164 Cardiology and Cardiovascular Diseases**

**Date: Spring 2014**

**Program Team: Bev Witmer**

### **Expected Learning Outcomes:**

- Demonstrate applied knowledge of Maryland State and National Drug Protocols for dysrhythmias and cardiovascular complaints
- Perform ECG Monitoring and Rhythm Strip Analysis for most common dysrhythmias.
- Obtain a 12-Lead ECG and identify STEMI patients
- Relate the anatomy and physiology of cardiovascular disease system to cardiac rhythm generation and to the pathophysiology and assessment of patients with cardiac disorders.
- Describe the significance of the prevalence of cardiovascular disease in the US and Canada.
- Adapt the scene size-up, primary assessment, patient history, secondary assessment, and use of monitoring technology to meet the needs of cardiac patients.
- Use a process of clinical reasoning to guide and interpret the patient assessment and management process for patients with cardiac and vascular disorders.
- Describe and demonstrate the roles of BLS and ALS providers in the management of patients in cardiac arrest.
- Demonstrate the use of a cardiac monitor to obtain a 3 lead and 12 lead EKG strip.
- Describe the role of the Paramedic in the treatment and management of patients with cardiac disorders.

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

National Registry Skills	Pass/Fail
Quizzes and ACLS exam	= 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?)

16/17 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.

14/17 students from the above results completed the paramedic program.

10/17 passed the NR Practical Exam

9/17 passed the NR Cognitive Exam

3/17 will complete the paramedic program Spring 2015

1/17 will complete the paramedic program Summer 2014

1/17 has chosen not to test the NR exams for personal reasons.

1/17 will need to retest the NR Cognitive Exam

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

To be determined in Spring of 2013.