

**Hagerstown Community College**  
**OFFICIAL MASTER SYLLABUS DOCUMENT**

**COURSE:** EMS 164 – Cardiology and Cardiovascular Diseases

4 Credits

**INSTRUCTOR:**

**SEMESTER/YEAR:** Spring 2016

**COURSE DESCRIPTION:** *This course introduces students to cardiac electrophysiology, electrocardiography interpretation, and the assessment and management of patients with cardiovascular emergencies. Course fee required. Total of 45 hours of lecture.*

**Textbook:** Paramedic Care, Principles and Practice, 4th Edition, Volume 4, Bryan Bledsoe, 2013 Pearson. Understanding 12-Lead EKGs A Practical Approach, 3rd Edition, Brenda Beasely, 2013 Pearson.

**STUDENT LEARNING OUTCOMES:**

- Demonstrate proper detailed assessment of the cardiac patient.
- Demonstrate applied knowledge of Maryland State 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

**COURSE WORKLOAD:** Each 4 credit course requires a total of 150 hours of instructional time/student work. The course will have 50 hours of instructional time and 100 hours will account for student work outside of instructional time. The average is 6.67 hours per week of student work.

**ACCOUNTING FOR CREDIT HOUR REQUIREMENT:**

Assignment/Assessment	Clock Hours
In- class instruction	50
Quizzes on Moodle	30 hours for studying and taking exams
Midterm at Testing Center	10 hours studying and taking midterm
Final Exam Testing Center	10 hours studying and taking final exam
Assigned readings	50 hours reading and note taking etc.
	<b>Total hours:150</b>