

# **COURSE OUTLINE**

## **EMSP-205 Medical Emergencies I**

5 Semester Hours

### **HOWARD COMMUNITY COLLEGE**

#### **Description**

Students will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the medical patient. This course will focus on respiratory, cardiovascular and nervous system emergencies. Prerequisite: EMSP-200. (3 hours theory, 6 hours lab)

#### **Course Objectives**

Upon completion of this course the student will be able to:

1. Integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with:
  - a. Respiratory problems
  - b. Cardiovascular problems and diseases
  - c. Neurological problem
2. Select and appropriately administer medications (including correct route and doses) from the national paramedic formulary to treat patients with the problems identified above.
3. Demonstrate skills appropriate for the management and treatment of patients listed above.
4. Acquire and interpret Lead 2 and/or MCL 1 interpretation, and 12 lead ECGs.
5. Perform cardiac monitoring for 2 lead and 12 lead ECGs.
6. Perform defibrillation, synchronized cardioversion, and pacing in the appropriate cardiovascular emergencies.
7. Function as a team leader in a simulated scenario for a cardiac emergency and utilize appropriate recommended American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) standards and guidelines for patients with suspected acute myocardial infarction (AMI), acute pulmonary edema, stroke, tachycardia, bradycardia, ventricular fibrillation, pulseless electrical activity, and asystole.

#### **Major Topics**

1. Pulmonary
2. Cardiology
3. Neurology

## **Course Requirements**

### **Grading/Exams/Readings:**

Refer to the current HCC Catalogue for additional information regarding HCC's grading policies.

The grade for this course is determined as follows:

<b>Cognitive Domain</b>	<b>34%</b>
Coursework in the cognitive domain may be comprised of the following:	
Homework	
Projects	
Quizzes	
Midterm	
Tests	
Final comprehensive examination	

<b>Affective Domain</b>	<b>33%</b>
Coursework in the affective domain may be comprised of the following:	
Participation	
Affective Domain Evaluation Instrument	
Clinical Performance	

<b>Psychomotor Domain</b>	<b>33%</b>
Coursework in the psychomotor domain may be comprised of the following:	
Skills Check-off Sheets	
Practical Skills Evaluation	
Clinical Performance	

<b>Total</b>	<b>100%</b>
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### **Other Course Information:**

Required course for Emergency Medical Services Program