

# COURSE OUTLINE

## EMSP 210 Medical Emergencies II 9 Credit 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 patients with endocrine, gastrointestinal, renal, urologic, or hematopoietic problems, or for patients exposed to toxic substances and induced or exacerbated illness related to communicable disease or environmentally hazardous conditions. Intervention for patients experiencing behavioral emergencies will be considered for promoting safety and therapeutic effect. Prerequisite: EMSP-205. (7.7 hours theory, 4 hours lab)

#### Overall Course Objectives

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

1. Integrate pathophysiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with:
  - a. Endocrine problem
  - b. Allergic or anaphylactic reaction
  - c. Gastroenterologic problem
  - d. Renal or urologic problem
  - e. Hematopoietic problem
  - f. Toxic exposure
  - g. Environmentally induced or exacerbated medical or traumatic problem
  - h. Behavioral emergencies
  - i. Infectious and communicable diseases
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. Describe and perform glucose monitoring in patients with suspected endocrine emergencies and altered mental status.
5. Function as a team leader in a simulated scenario for an emergency and utilize appropriate recommended American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) standards and guidelines for patients with hypothermia and near drowning.
6. Discuss appropriate BSI and scene safety precautions in each of the above patient groups.
7. Describe OSHA and other federal and state regulations pertinent to EMS providers, services and systems concerning: toxic exposures; nuclear, biological and chemical (NBC) warfare and terrorism; infection control and communicable diseases; and provider health and safety.

## **Major Topics**

- I. Endocrinology
- II. Allergies & Anaphylaxis
- III. Gastroenterology
- IV. Renal/Urology
- V. Hematology Toxicology
- VI. Environmental
- VII. Infectious & Communicable Diseases
- VIII. Behavioral & Psychiatric Diseases

## **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	

**Total**    100%

## **Other Course Information:**

Required course for Emergency Medical Services Program