

COURSE OUTLINE

EMSP 207

Medical Emergencies II

8 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. (6 hours theory, 6 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

1. Endocrinology
2. Allergies & Anaphylaxis
3. Gastroenterology
4. Renal/Urology
5. Hematology Toxicology
6. Environmental
7. Infectious & Communicable Diseases
8. 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:

Cognitive Domain 34%

Coursework in the cognitive domain may be comprised of the following:

Homework

Projects

Quizzes

Midterm

Tests

Final comprehensive examination

Affective Domain 33%

Coursework in the affective domain may be comprised of the following:

Participation

Affective Domain Evaluation Instrument

Psychomotor Domain 33%

Coursework in the psychomotor domain may be comprised of the following:

Skills Check-off Sheets

Practical Skills Evaluation

Total 100%

Other Course Information:

Required course for Emergency Medical Services Program