EMS 62A: PARAMEDIC COGNITIVE & AFFECTIVE IIIA

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2022
Units:	9
Hours:	9 lecture per week (108 total per quarter)
Prerequisite:	EMS 61A and 61B.
Advisory:	Not open to students with credit in EMTP 62A or 100C.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Description

Continuation of EMS 61A. Discusses various toxicological emergencies, psychiatric emergencies, OB, pediatric anatomy and emergencies, command and control, triage, and the geriatric patient. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

a. Demonstrate an understanding of various toxicological emergencies and determine correct action, management and treatment.
b. Exhibit a knowledge of the public health system and how to manage various diseases.
c. Demonstrate a knowledge of various psychiatric and behavioral disorders and discuss the treatment and management of these situations.
d. Discuss how to manage blood disorders.
e. Demonstrate an understanding of shock and the different categories of shock and how to manage them.
f. Exhibit a knowledge of obstetrical and gynecological emergencies.
g. Demonstrate a knowledge of pediatric and neonatal emergencies how to manage and treat them.
h. Discuss the pathophysiology of aging and how to manage the geriatric patient.
i. Demonstrate the understanding of environmental issues concerning heat and cold and various other elements of the environment.
j. Exhibit an understanding of the preparation for special operations including crime scene, vehicle operation, command-and-control, disaster response and how to manage them.
k. Discuss mechanism of injury, have a knowledge of trauma and how that affects the various systems of the human body.

Course Content

a. Toxicology
    i. Recognition and identification of poisoning incidents
    ii. General treatment principles
b. Infectious and commutable diseases
    i. Public health
    ii. Process of infection
    iii. Infectious diseases
c. Psychiatric disorders and substance abuse
    i. Assessment of the patient with a behavioral emergency
    ii. The suicidal patient
    iii. General principles for management of patients with behavioral emergencies
    iv. Excited delirium
d. Hematologic disorders
    i. Red blood cell disorder
    ii. White blood cell disorder
e. Shock and resuscitation
    i. Categories and types of shocks
f. Obstetrics and gynecology
    i. Anatomy and physiology of the female reproductive organs
    ii. Complications of pregnancy
    iii. Trauma in pregnancy
    iv. Complications of childbirth
g. Pediatrics and neonatology
    i. Assessment of the ill or injured child
    ii. Child abuse
    iii. Sudden infant death syndrome
h. Geriatrics
    i. Pathophysiology of aging
    ii. Assessment and management of the geriatric patient
i. Environmental issues
    i. Farm and wilderness response
    ii. Heat and cold complications
j. Special operations
    i. Crime scenes
    ii. Emergency vehicle operations
    iii. Command-and-control
    iv. Vehicle rescue and rescue awareness operations
    v. Hazardous material incidents
    vi. Disaster response and domestic preparedness
k. Trauma
    i. Multi system trauma
    ii. Mechanism of injury
    iii. Bleeding in shock
    iv. Soft tissue and burn injuries

Lab Content

Not applicable.

Special Facilities and/or Equipment

1. Smart classroom, with audio visual equipment

2. When portions of the course offered online, students need on-going access to computer with email and internet access

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Written tests: multiple choice, matching, essays, fill-in-the-blank, short answer
Assignments: workbooks that accompany texts, matching, multiple choice, fill-in-the-blank, identify, ambulance calls, true/false, short answer, word find, place photos in order, fill-in-the-table, problem solving, labeling diagram
Written research paper
National-style paramedic affective evaluation: observe student behavior, document, and counsel student

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Lecture
Textbook assignments, reading about 1-5 chapters a week
In-class projects, e.g., scenarios for critical thinking, and a research paper

Representative Text(s) and Other Materials

Caroline, L. Nancy. Emergency Care in the Streets. 2018.

Foothill College Paramedic Program. Student Policy Handbook. 2021.
Foothill College Paramedic Program. Student Lab Manual. 2021.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

a. Read 1-6 books throughout the quarter on paramedic: anatomy and physiology, prehospital trauma life support, neonatology, obstetrics, etc. Weekly reading assignments 60-100 pages
b. Writing assignments: weekly essays are assigned; for example, compare and contrast pulmonary edema secondary to left heart failure and cardiogenic shock
c. Workbook/writing assignments are given each week and include: matching, multiple choice, fill-in-the-blank, identify, ambulance calls, true/false, short answer, word find, place photos in order, fill-in-the-table, problem solving, labeling diagram

Discipline(s)

Emergency Medical Technologies