

EMS 61A: PARAMEDIC COGNITIVE & AFFECTIVE IIA

Foothill College Course Outline of Record

Heading	Value
Units:	9
Hours:	9 lecture per week (108 total per quarter)
Prerequisite:	EMS 60A and 60B.
Corequisite:	EMS 61B.
Advisory:	Not open to students with credit in EMT 61A or 100B.
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 60A, the second of three modularized lecture series. Discusses airway anatomy and management, EKG, 12 leads and discuss various respiratory emergencies. In addition students will learn and discuss neurological disorders, cardiovascular emergencies, musculoskeletal injuries and treatment, and GI, and GU anatomy and disorders. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

- Demonstrate an understanding of the airway anatomy and use of various airway adjuncts.
- Perform a competent patient assessment on a medical and trauma patient with an understanding of various system functions.
- Exhibit an understanding of various medical conditions that affect the patient.
- Demonstrate an understanding of the cardiovascular system, including EKG, and exhibit knowledge of various cardiac disorder.
- Demonstrate a knowledge of anatomy and physiology of the neurological system and have an understanding various neurological disorder.
- Demonstrate an understanding of the Endocrine system and a variety of disorders associated with this system.
- Exhibit a knowledge of the GI/GU system. Have an understanding of the various disorders associated with the GI/GU system.
- Exhibit a knowledge of the renal system. Have an understanding of the various disorders associated with the renal urogenital system.
- Exhibit a knowledge of the musculoskeletal system and discuss the various splinting devices to stabilize fractures of various anatomical structures.
- Demonstrate an understanding of the various skin disorders and cancers.

Course Content

- Airway management and ventilation
 - Anatomy and physiology
 - Oxygen therapy

- Advanced airways
- Pulse oximetry
- End-tidal CO₂
- Patient assessment
 - Therapeutic communication
 - History taking
 - Medical and trauma assessment
 - Communications and documentation
- Medical conditions
 - Head, ear, eye, nose, and throat disorders
 - Pulmonology
 - Cardiovascular disorder
 - Anatomy of the heart
 - ECG
 - Dysrhythmias
 - Pacemakers
 - Cardiogenic shock
 - Nervous system disorder
 - Neurological assessments
 - Neurological disorders
 - Seizures
 - Stroke vs. TIA
 - Endocrine Emergencies and Nutritional disorders
 - Anatomy and physiology
 - Malnutrition
 - Immune system disorder
 - Gastrointestinal intestinal disorders
 - Pancreatic disorder
 - Hepatic disorders
 - Renal and urogenital disorders
 - Anatomy and functions of the urinary system
 - Kidney disease
 - Musculoskeletal disorders
 - Anatomy and physiology
 - Various splinting technique
 - Cutaneous disorders
 - Cancers of the skin
 - Psoriasis
 - Viral skin infections

Lab Content

Not applicable.

Special Facilities and/or Equipment

- Smart classroom, with audio visual equipment.
- Students will be required to bring their PPE.

Method(s) of Evaluation

- 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.
- National-style paramedic affective evaluation: observe student behavior, document, and counsel student.

Method(s) of Instruction

Lecture, class discussion, case study scenarios.

Representative Text(s) and Other Materials

Caroline, L. Nancy. Emergency Care in the Streets. 7th ed. Text and Workbook. Jones/Bartlett.

American Heart Association. Advanced Cardiac Life Support (ACLS) Provider Manual. (NZ15-1005). Channing Bete, 2015.

American Heart Association. BLS for the Healthcare Provider. (NZ15-1010), Channing Bete, 2015.

American Heart Association. Pediatric Life Support (PALS) Provider Manual. (NW90-1052). Channing Bete, 2015.

Foothill College Paramedic Program. Student Policy Handbook. 2016-2017.

Foothill College Paramedic Program. Student Lab Manual. 2016-2017.

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

A. Read 1-6 chapters per week throughout the quarter on paramedic: anatomy & physiology, cardiology, electrocardiogram, electrophysiology, etc. Weekly reading assignments 60-100 pages.

B. Writing Assignments: Weekly essays are assigned relative to different patient medical and traumatic situations.

C. Workbook/writing assignments are given each week, e.g., matching, multiple choice, fill-in-the-blank.

Discipline(s)

Emergency Medical Technologies