

# EMS 61A: PARAMEDIC COGNITIVE & AFFECTIVE IIA

## Foothill College Course Outline of Record

Heading	Value
<b>Effective Term:</b>	Summer 2022
<b>Units:</b>	9
<b>Hours:</b>	9 lecture per week (108 total per quarter)
<b>Prerequisite:</b>	EMS 60A and 60B.
<b>Corequisite:</b>	EMS 61B.
<b>Advisory:</b>	Not open to students with credit in EMTP 61A or 100B.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade Only
<b>Repeatability:</b>	Not Repeatable

## Description

Continuation of EMS 60A. Airway anatomy and management, EKG, 12 leads and implement treatments for various respiratory emergencies. Neurological disorders, cardiovascular emergencies, musculoskeletal injuries and treatment, GI/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:

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

## Course Content

1. Airway management and ventilation
  - a. Anatomy and physiology
  - b. Oxygen therapy
  - c. Advanced airways
  - d. Pulse oximetry
  - e. End-tidal CO<sub>2</sub>
2. Patient assessment
  - a. Therapeutic communication
  - b. History taking
  - c. Medical and trauma assessment
  - d. Communications and documentation
3. Medical conditions
  - a. Head, ear, eye, nose, and throat disorders
  - b. Pulmonology
4. Cardiovascular disorder
  - a. Anatomy of the heart
  - b. ECG
  - c. Dysrhythmias
  - d. Pacemakers
  - e. Cardiogenic shock
5. Nervous system disorder
  - a. Neurological assessments
  - b. Neurological disorders
  - c. Seizures
  - d. Stroke vs. TIA
6. Endocrine emergencies and nutritional disorders
  - a. Anatomy and physiology
  - b. Malnutrition
  - c. Immune system disorder
7. Gastrointestinal intestinal disorders
  - a. Pancreatic disorder
  - b. Hepatic disorders
8. Renal and urogenital disorders
  - a. Anatomy and functions of the urinary system
  - b. Kidney disease
9. Musculoskeletal disorders
  - a. Anatomy and physiology
  - b. Various splinting technique
10. Cutaneous disorders
  - a. Cancers of the skin
  - b. Psoriasis
  - c. Viral skin infections

## 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

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  
Class discussion  
Case study scenarios

## 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

1. Read 1-6 chapters per week throughout the quarter on paramedic: anatomy and physiology, cardiology, electrocardiogram, electrophysiology, etc. Weekly reading assignments 60-100 pages
2. Writing assignments: weekly essays are assigned relative to different patient medical and traumatic situations
3. Workbook/writing assignments are given each week, e.g., matching, multiple choice, fill-in-the-blank

## Discipline(s)

Emergency Medical Technologies