

# EMS 62B: PARAMEDIC COGNITIVE, AFFECTIVE & PSYCHOMOTOR IIIB

## Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2022
Units:	3
Hours:	1 lecture, 6.5 laboratory per week (90 total per quarter)
Prerequisite:	EMS 61A and 61B.
Advisory:	Not open to students with credit in EMTP 62B.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

## Description

Paramedic skills presented: proper hand washing; personal protective equipment; patient assessment; intravenous access; intraosseous infusion; pharmacology; medication administration; airway management: endotracheal intubation, oropharyngeal airway, nasopharyngeal airway, suctioning, dual lumen airways; advanced cardiac life support ambulance 911 call simulations and case studies; synchronized cardioversion; transcutaneous pacing; defibrillation; cardiovascular/ chest pain emergency 911 call simulations; end tidal carbon dioxide monitoring; capnography; 12 lead ECG interpretation. Emphasis on trauma management and operations. 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 proper hygiene techniques and Personal Protective Equipment (PPE).
- Demonstrate the various techniques to establish intravenous routes.
- Exhibit different basic and advanced airway management techniques.
- Demonstrate an understanding of different components of cardiac monitor devices.
- Demonstrate the different techniques of medication administration.
- Demonstrate through simulated scenarios how to manage scenes and patient care.
- Demonstrate the proper techniques for transferring patient care.
- Demonstrate proper management of the trauma patient.

## Course Content

- Proper hygiene techniques
  - Hand washing techniques
  - Proper use of Personal Protective Equipment
  - N-95 mask

- P-100 mask
  - Donning and doffing medical gloves
- Establishing intravenous routes
    - IV techniques
    - IO techniques
    - Setting up, starting IVs
  - Basic and advanced airway management techniques
    - NPAs, OPAs
    - Suctioning
    - Endotracheal intubation
    - Tracheotomy care
    - Multi lumen devices
    - O<sub>2</sub> therapy
  - Cardiac monitor devices
    - 4 lead
    - 12 lead
    - Cardioversion
    - Pacing
    - Defibrillation
    - EtCO<sub>2</sub>
    - Pulse Ox
  - Medication administration
    - Medication packaging
    - Routes of administration
    - Medication calculations
  - Simulated scenarios how to manage scenes and patient care
    - Scene approach and control
    - General impression
    - History and physical
    - Working diagnosis
    - Appropriate treatment
  - Transferring patient care
    - Documentation
    - Radio report
    - Verbal report
  - Trauma management
    - Bleeding control
    - Fluid replacement
    - Bandaging and splinting
    - Cervical spine precautions
    - Environmental emergencies

## Lab Content

- Proper hand washing, Personal Protective Equipment
- Patient assessment
- Intravenous access, intraosseous infusion
- Pharmacology, medication administration
- Airway management, endotracheal intubation, oropharyngeal airway, nasopharyngeal airway, suctioning, dual lumen airways
- Advanced cardiac life support ambulance
- 911 call simulations and case studies
- Trauma management

## Special Facilities and/or Equipment

1. Paramedic lab facilities
2. Paramedic ambulance equipment: manikin (that allows cricothyrotomy, pleural decompression, intubation, intraosseous infusion, intravenous access, intramuscular injection and subcutaneous injection); medication box with all paramedic medications; respiratory bag with airway management equipment; ECG monitor/defibrillator/pacer; suction; immobilization equipment
3. Ambulance simulator
4. Base station simulator equipment
5. 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:

Laboratory psychomotor skill test  
National-style oral examinations of 911 call simulations  
National-style paramedic affective evaluation: observe student behavior, document, and counsel student  
Written assignments, including prehospital patient care report forms

## Method(s) of Instruction

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

Students will practice skills in preparation for the NREMT skills testing

## Representative Text(s) and Other Materials

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, pediatric advanced life support, respiratory emergencies, 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
- d. Medical research
- e. Write prehospital patient care report form

## Discipline(s)

Emergency Medical Technologies