

# EMS 61B: PARAMEDIC COGNITIVE, AFFECTIVE & PSYCHOMOTOR IIB

## 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 60A and 60B.
Corequisite:	EMS 61A.
Advisory:	Not open to students with credit in EMTP 61B or 100B.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

## Description

Paramedic: anatomy and physiology; patient assessment; respiratory ambulance 911 call simulations and case studies; nebulizer/BVM set-up; pleural decompression; digital intubation; foreign body airway obstruction; neurological ambulance 911 call simulations and case studies; 12 lead ECG interpretation; diabetic ambulance 911 call simulations and case studies; blood glucose analysis; medication administration; pharmacology; pediatric advanced life support ambulance 911 call simulations and case studies; non-traumatic abdominal ambulance 911 call simulations and case studies; bleeding control and shock management; pressure infusers; intubation with spinal immobilization; intravenous access; overdose and poisoning ambulance 911 call simulations and case studies. 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 the use of Personal Protective Equipment.
- Demonstrate the various techniques to establishing 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.

## 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

## Lab Content

The paramedic labs consist of following but are not limited to:

- Proper hand washing, Personal Protective Equipment
- Pediatric 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
- Adult patient assessment

## Special Facilities and/or Equipment

1. Paramedic lab facilities
2. Paramedic ambulance equipment: mannikin (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:

- Discussion
- Cooperative learning exercises
- Demonstration
- Skills testing

## 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, 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