

EMS 62B: PARAMEDIC COGNITIVE, AFFECTIVE & PSYCHOMOTOR IIIB

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Fall 2021
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. 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.

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 IV's.
- Basic and advanced airway management techniques.
 - NPA's, OPA's.
 - Suctioning.
 - Endotracheal intubation.
 - Tracheotomy care.
 - Multi lumen devices.
 - O₂ therapy.
- Cardiac monitor devices.
 - 4 lead.
 - 12 lead.
 - Cardioversion.
 - Pacing.
 - Defibrillation.
 - EtCO₂.
 - 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

- 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.

Special Facilities and/or Equipment

- Paramedic lab facilities
- 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
- Ambulance simulator
- Base station simulator equipment

Method(s) of Evaluation

- 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 include, but not limited to: students practicing skills in preparation for the NREMT skills testing.

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 books throughout the quarter on paramedic: anatomy & 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