

EMS 60B: PARAMEDIC COGNITIVE, PSYCHOMOTOR & AFFECTIVE IB

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) |
| Corequisite: | EMS 60A. |
| Advisory: | Not open to students with credit in EMTP 60B. |
| Degree & Credit Status: | Degree-Applicable Credit Course |
| Foothill GE: | Non-GE |
| Transferable: | CSU |
| Grade Type: | Letter Grade (Request for Pass/No Pass) |
| 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 your 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.
 - 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.
- 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.
- Traction Splint application.
- Spinal immobilization.
- Helmet removal.

Special Facilities and/or Equipment

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

Method(s) of Evaluation

- Laboratory psychomotor skill test.
- National-style oral examinations of 911 call simulations.

- C. National-style paramedic affective evaluation: observe student behavior, document, and counsel student.
- D. Written assignments, including prehospital patient care report forms.

Method(s) of Instruction

Methods of instruction include, but are not limited to, students practicing skills in preparation for the NREMT skills testing. Students will demonstrate proficiency of knowledge and skill through simulated scenarios.

Representative Text(s) and Other Materials

- Caroline, L. Nancy. Emergency Care in the Streets. 7th ed. Text and Workbook. Jones/Bartlett.
- Aehlert, Barbara. Paramedic Practice Today: Above and Beyond. (2-Volume Set Revised Reprint) Elsevier/Mosby, May 2011.
- American Heart Association. Advanced Cardiac Life Support (ACLS) Provider Manual. (90-1012) Channing Bete, April 2010.
- American Heart Association. BLS for the Healthcare Provider. (90-1000) Channing and Bete, April 2010.
- Sanders, Tina and Valerie C. Scanlon. Essentials of Anatomy and Physiology. 6th ed. Text and Workbook, 2010.
- Foothill College Paramedic Program. Student Policy Handbook. 2010-2012.
- Geiter, Jr., Henry B. EZ ECG Rhythm Interpretation. November 2003.

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. Review skills in the program lab manual.

Discipline(s)

Emergency Medical Technologies