

EMS 63A: PARAMEDIC HOSPITAL SPECIALTY ROTATIONS

Foothill College Course Outline of Record

Heading	Value
Units:	2
Hours:	6 laboratory per week (72 total per quarter) This is a clinical laboratory course.
Prerequisite:	EMS 60A and 60B.
Corequisite:	EMS 61A and 61B.
Advisory:	Not open to students with credit in EMTP 63A or 102.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Description

Application of skills that demonstrate principles and concepts of anatomy, physiology, pathophysiology, clinical symptoms and diagnosis as they pertain to pre-hospital emergency medical care of the sick and injured. The student will rotate through specialty areas of the hospital departments: pediatrics, pediatric intensive care unit, labor and delivery, surgery (airway management), respiratory therapy, other selected hospital areas, assisted living, Skills Nursing Facilities, and facilities for the mentally and physically challenged. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

- Observe patients in the following specialty areas: Coronary Care Intensive Care Unit, Medical Surgical Intensive Care Unit, Psychiatric Care Unit, and the Intensive Care Unit.
- Assist in the care of special patients: pediatrics definitive care units including Coronary Care Intensive Care Unit, Medical Surgical Intensive Care Unit, Psychiatric Care Unit, and Intensive Care Unit.
- Demonstrate beginning/intermediate clinical skills to provide optimal patient care within the confines of state and county guidelines.
- Systematically process assessment findings and develop conclusions.
- Describe clearly and concisely pertinent emergency medical information.
- Facilitate understanding by hospital personnel through effective communication.
- Demonstrate the ability to safely administer medications.
- Demonstrate the ability to safely perform basic and advanced airway management techniques.
- Demonstrate the ability to safely gain venous access in the specialty groups identified above.
- Demonstrate the ability to perform a compressive assessment, formulate and implement a treatment on adult and pediatric patients.

- Demonstrate the ability to perform history and physicals on geriatric patients to determine appropriate care and treatment.
- Demonstrate the ability to perform history and physicals on patients with mental and physical challenge, e.g., Downs Syndrome, to determine appropriate care and treatment.

Course Content

- Special patients: Coronary Care Intensive Care Unit, Medical Surgical Intensive Care Unit, Psychiatric Care Unit, and the Intensive Care Unit.
 - Learn and discuss the challenges for the above patient groups.
- Assist in the care of special patients: pediatrics, obstetrics, spinal ward, burn, etc.
 - Learn how to treat patients with special challenges.
 - Discuss with your preceptor your treatment modalities.
- Beginning/intermediate clinical skills to provide optimal patient care within the confines of state and county guidelines.
- Systematically process assessment findings and develop conclusions.
 - Collect patient information and develop a working diagnosis.
- Describe clearly and concisely pertinent emergency medical information.
 - Deliver verbal patient information.
- Facilitate understanding by hospital personnel through effective communication.
 - Communicate your findings for evaluation of assessment skills.
- Medications.
 - Calculations.
 - Modes of administration.
 - Monitoring patients post administration.
- Perform basic and advanced airway management techniques.
 - Basic airway techniques.
 - Advanced airway techniques.
- Venous access in all age group patients.
 - Safe practices for starting IV.
 - IO techniques.
- Compressive assessment, formulate and implement a treatment on adult and pediatric patients.
 - Critical thinking process to generate a working diagnosis.
 - Make a determination of the best route of treatment according to treatment protocols.
- Compressive assessment, formulate and implement a treatment on geriatric patients to determine appropriate care and treatment.
- Compressive assessment, formulate and implement a treatment on patients with mental and physical challenge, e.g., Downs Syndrome, to determine appropriate care and treatment.

Lab Content

- Student will perform practical application of paramedic theory and skills in a clinical setting.
- Clinical assessment and management and management of adult and pediatric patient medical and surgical needs.
- Review anatomy and management of OB patient.
- Emergency care of adult and pediatric patients including field assessment and planning.
- Field management of medical, surgical OBN, pediatric and behavioral emergencies.
- Correlation of didactic material with clinical experience.
- Management of interpersonal relationships in the work setting.
- Development of problem solving strategies.

Special Facilities and/or Equipment

Hospitals with the following departments: pediatrics, pediatric ICU, labor and delivery, surgery (airway management), respiratory therapy, and other varied hospital areas.

Method(s) of Evaluation

- A. Written tests: multiple choice, matching, essays, fill-in-the-blank, short answer.
- B. Assignments: matching, multiple choice, fill-in-the-blank, true/false, short answer, fill-in-the-table.
- C. Research.
- D. National-style paramedic affective evaluation: observe student behavior, document, and counsel student.
- E. Nurse preceptor clinical evaluations of psychomotor, cognitive, and affective domain.

Method(s) of Instruction

- A. Hands-on patient care with oversight of an approved hospital clinician with a license of Registered Nurse or higher.
- B. Assigned reading, patient care homework given by Clinical Coordinator.
- C. Frequent discussion with Program Staff members.

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. Writing Assignments: Weekly essays are assigned; for example, compare and contrast pulmonary edema secondary to left heart failure and cardiogenic shock.
- B. Workbook/writing assignments are given each week and include: 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.
- C. Write prehospital patient care report form.
- D. Weekly documentation of Clinical progress.

Discipline(s)

Emergency Medical Technologies