

Las Positas College
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Course Outline for EMS 58
EMT-P PARAMEDIC FIELD TRAINING
Effective: Summer 2011

I. CATALOG DESCRIPTION:

EMS 58 — EMT-P PARAMEDIC FIELD TRAINING — 9.00 - 11.00 units

Clinical internship and field phase of paramedic training with a demonstration of advanced life support skills in a variety of emergency situations. Emphasis on clinical evaluation and intervention in the pre-hospital setting, Emergency Department, Psychiatric Emergency Services, Cardiac Intensive Care Unit, Labor and Delivery Trauma, Operating Room Anesthesia and Pediatric Clinic. Prerequisite: Emergency Medical Services 57 (completed with a grade "C" or higher).

9.00 - 11.00 Units Lab

Prerequisite

EMS 57 - EMT-P Special Patient Populations
with a minimum grade of C

Grading Methods:

Letter Grade

Discipline:

	MIN	MAX
Lab Hours:	486.00	594.00
Total Hours:	486.00	594.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 2

III. PREREQUISITE AND/OR ADVISORY SKILLS:

Before entering the course a student should be able to:

A. EMS57

1. discuss the underlying principles of pathophysiology and knowledge of patients suffering from environmental emergencies, obstetrical, pediatric, and geriatric emergencies
2. formulate a comprehensive treatment/disposition plan for patients with special needs
3. formulate a treatment/disposition plan for patients suffering from environmental emergencies, obstetrical, pediatric, and geriatric emergencies
4. discuss underlying principles of pathophysiology for patients with special needs
5. demonstrate knowledge of operational roles and responsibilities to ensure patient, public, and personnel safety in managing a complex incident such as a hazardous materials event, multi casualty incident and mass casualty incident caused by weapons of mass destruction
6. perform the following procedures under the guidance of a clinical preceptor Intraosseous insertion of an IO needle, enteral and parenteral administration of approved prescription medications, Access indwelling catheters and implanted central IV ports, administer medications by IV infusion, Maintain infusion of blood or blood products, perform blood sampling, thrombolytic initiation, administer physician approved medications

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- A. satisfactorily pass the National EMT-Paramedic Certification Examination
- B. perform a comprehensive history and physical examination to identify factors affecting the health and health needs of a patient
- C. formulate a field impression based on an analysis of comprehensive assessment findings, anatomy, physiology, pathophysiology, and epidemiology
- D. relate assessment findings to underlying pathological and physiological changes in the patient's condition
- E. integrate and synthesize the multiple determinants of health and clinical care
- F. perform health screening and referrals
- G. effectively communicate in a manner that is culturally sensitive and intended to improve the patient outcome
- H. safely and effectively perform all psychomotor skills within the National EMS Scope of Practice Model AND the national and state Scope of Practice

V. CONTENT:

A. Phase One (0 to 120 hours)

1. Observation of Preceptor
2. Review of patient assessment
3. Review of the management of obstetric patients

4. Review of the management of pediatric patients
- B. Phase Two (120 hours to 240 hours)
 1. Perform the patient assessment
 2. Perform cardiac monitoring including 12 lead electrocardiogram
 3. Administration of intravenous access lines
 4. Administration of intramuscular injections
 5. Review of the management of medical patients
 6. Review of the management of traumatically injured patients
- C. Phase Three (240 hours to 360 hours)
 1. Perform patient assessment
 2. Administration of intravenous lines
 3. Administration of physician prescribed medications via the intravenous, intramuscular, sublingual, intraosseous, and nebulized routes of administration
 4. Management of the clinical care of patients encountered by the paramedic.
- D. Phase Four (360 hours to 480 hours)
 1. Management of the emergency incident
 2. Management of the multicasualty incident
 3. Management of the cardiac arrest resuscitation
 4. Management of the traumatically injured patient
- E. Phase Five (480 to 600 hours) Additional skills practicum based on student progress. Will include elements of previous phases.

VI. METHODS OF INSTRUCTION:

- A. **Lab** - Skills Laboratory reinforcement
- B. **Clinical** - Structured Mentoring and Clinical Training

VII. TYPICAL ASSIGNMENTS:

- A. Provide pre-hospital care under the direction of a paramedic preceptor
- B. Perform patient evaluations

VIII. EVALUATION:

- A. **Methods**
 1. Other:
 - a. Daily Observation Reports completed by Preceptor
 - b. Progress Evaluation by Clinical Director and Program Director at first quartile, second quartile, third quartile and final quartile of 480 hour internship
 - c. Oral Presentations
- B. **Frequency**
 1. Daily reports
 2. Quarterly evaluation by Clinical Director and Program Director
 3. Final cumulative report

IX. TYPICAL TEXTS:

1. Bryan E. Bledsoe et. al. *Paramedic Care; Principles & Practice, Vol. 1-5*. 3rd ed., Brady-Prentice Hall Health, 2008.
2. Bryan E. Bledsoe et. al. *Student Workbook for Paramedic Care; Principles & Practice, Vol. 1-5*. 3rd ed., Brady-Prentice Hall Health, 2008.
3. Alameda County EMS Agency Policy and Procedure Field Manual 2009

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Stethoscope
- B. Penlight
- C. Clinical Rotation garment approved by Clinical site