

# EMS 62C: EMERGENCY MEDICINE SEMINAR III

## Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2025
Units:	1.5
Hours:	1.5 lecture per week (18 total per quarter)
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

## Student Learning Outcomes

- Apply advanced assessment and management strategies for pediatric and geriatric emergencies by integrating knowledge of pathophysiology, patient presentation, and appropriate interventions.
- Demonstrate competence in recognizing and responding to trauma-related and environmental emergencies by evaluating patient conditions, prioritizing care, and implementing life-saving measures.

## Description

Continuation of EMS 61C. This course enriches the core curriculum of gynecologic, obstetrical, and neonatal resuscitation, pediatric, geriatric, environmental, and trauma emergencies in emergency medicine, emphasizing principles of equity and inclusion. Through a combination of lectures, practical applications, case studies, and assessments, students will gain comprehensive insights into advanced emergency medicine. This includes enhancing their skills in patient evaluation and management across diverse populations in the prehospital and hospital settings. Intended for students in the Paramedic Program; enrollment is limited to students accepted in the program.

## Course Objectives

The student will be able to:

1. Demonstrate an understanding of gynecological emergencies found in the prehospital and hospital setting
2. Exhibit comprehension of the key obstetrical and neonatal emergencies
3. Evaluate and analyze the various pediatric emergencies of diverse patient populations
4. Examine and analyze the different emergencies involving geriatric patients
5. Evaluate the key environmental emergencies
6. Recognize and evaluate the different trauma emergencies

## Course Content

1. Gynecologic emergencies
  - a. Pelvic inflammatory disease (PID)
  - b. Ruptured ovarian cyst
  - c. Dysmenorrhea

- d. Abortion/miscarriage
  - e. Sexually transmitted diseases
2. Obstetrical emergencies
    - a. Placenta abruption
    - b. Ectopic pregnancy
    - c. Placenta previa
    - d. Uterine rupture
    - e. Preeclampsia/eclampsia
    - f. Postpartum hemorrhage
  3. Neonatal resuscitation
    - a. Initial steps and assessment
    - b. Ventilation
    - c. Chest compressions
    - d. Medications
    - e. Post-resuscitation care
  4. Pediatric emergencies
    - a. Respiratory
    - b. Cardiovascular
    - c. Neurological
    - d. Gastrointestinal
    - e. Endocrine
    - f. Hematological
    - g. Infectious
    - h. Traumatic
    - i. Immunologic
    - j. Environmental
    - k. Psychiatric
  5. Geriatric emergencies
    - a. Respiratory
    - b. Cardiovascular
    - c. Endocrine
    - d. Gastrointestinal
    - e. Genitourinary
    - f. Endocrine
    - g. Traumatic
    - h. Infectious
    - i. Fluid and electrolyte disorders
    - j. Psychiatric
  6. Environmental emergencies
    - a. Heat related
    - b. Cold related
    - c. Electric shock
    - d. Biological
    - e. Near drowning and drowning
  7. Trauma emergencies
    - a. Soft tissue and bleeding control
    - b. Orthopedic
    - c. Abdominal
    - d. Head and spinal

## Lab Content

Not applicable.

## **Special Facilities and/or Equipment**

1. Smart classroom, with audio visual equipment
2. Emergency medical equipment

## **Method(s) of Evaluation**

Methods of Evaluation may include but are not limited to the following:

Written tests  
Case studies  
Class participation

## **Method(s) of Instruction**

Methods of Instruction may include but are not limited to the following:

Interactive lecture/presentations  
In-class reading assignments, including but not limited to handout material relative to class lecture  
In-class projects, e.g., scenarios for critical thinking

## **Representative Text(s) and Other Materials**

No required textbook. Handout materials and online resources (documents, presentation slides, web links, images, videos) will be provided by the instructor and/or presenter(s).

## **Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments**

1. Reading assignments from online sources, class handouts, and other various sources, ranging from 5-15 pages per week.
2. Written short answer essay questions and take home assignments.

## **Discipline(s)**

Emergency Medical Technologies