

Lassen Community College Course Outline

EMT 61 Emergency Medical Technician-B Refresher

1.0 Unit

I. Catalog Description

A 24 hour course that provides, to the certified EMT-B (Basic) student, a review of didactic knowledge and practical skills required to recertify, as outlined by the State of California regulations. For EMT-B's who are maintaining certification with the National Registry of EMT's (NREMT). This course is repeatable to maintain certification. Students must complete all course hours and must achieve an 80% on their final class grade and must achieve a final exam grade of 80% or better to be eligible for EMT B recertification. Repeatable as necessary to maintain certification. This course has been approved for online and hybrid delivery.

Diversity Statement:

Our commitment to diversity requires that we strive to eliminate barriers to equity and that we act deliberately to create a safe and inclusive environment where individual and group differences are valued and leveraged for the growth and understanding as an educational community.

Prerequisite(s): For State/Local EMS Authority Recertification student must hold current EMT-B certification or a certification that has been expired for no more than one year. Must possess a valid CPR card and demonstrate ability to perform CPR skills to current ASHI-or AHA standards.

Does not transfer to UC/CSU

24 Hours Lecture, 48 Expected Outside Class Hours, 72 Total Student Learning Hours.
Scheduled: Fall

II. Coding Information

Repeatability: Not Repeatable
Grading Option: Graded or Pass/No Pass
Credit Type: Credit - Degree Applicable
TOP Code: 125100

III. Course Objectives

A. Course Student Learning Outcomes

Upon successful completion of this course the student will:

Describe Local, State, and National updated related to the EMT Basic and demonstrate skills appropriate for the EMT Basic.

B. Course Objectives

Upon completion of this course the student will be able to:

1. Cite the role and legal limitations of the EMT.
2. Identify the structures of the human body and explain the function of the major body systems.
3. Demonstrate recognition of life-threatening emergencies and state the emergency care of each situation.
4. Describe the principles of emergency care for the pediatric patient.
5. Identify the emotionally ill patient and explain the techniques of crisis

- intervention.
6. Recognize environmental emergencies and cite the emergency care procedures for patient treatment.
 7. State the role of the EMT during a disaster situation.
 8. Demonstrate proficiency, by performing the following skills:
 - a. Upper airway adjuncts/suction bag valve mask (bum) supplemental oxygen administration, and proper use of approved peri-laryngeal airway.
 - b. Cardiac arrest management (CPR/AED)
 - c. Bleeding control, use of hemostatic gauze, CAT tourniquets, and Shock Management
 - d. Emergency Childbirth
 - e. Patient Assessment - trauma, patient assessment media
 - f. Diagnostics and vital signs
 - g. Traction splinting
 - h. Spinal immobilization - seated
 - i. Spinal immobilization - supine
 - j. Long bone injury-stabilization
 - k. Joint injury-stabilization

IV. Course Content

A. Introduction

1. Responsibilities and medicolegal limitations
2. Good Samaritan Act, Implied consent, informed consent, negligence and abandonment.
3. Conditions when the victim gives implied consent.
4. Current local policies regarding the local EMS System.
5. Components of a medical term.
6. Definitions of the following terms: superior, inferior, distal, proximal, lateral, medial.

B. Pathophysiology of the human body.

1. Cellular Metabolism
2. Airway and mechanics of ventilation
3. Blood, cardiac function, and vascular system

C. Principles of Pharmacology

1. EMS Pharmacology

D. Patient evaluation and assessment of diagnostic signs

E. Injuries and proper emergency care

1. Soft tissue, fractures and dislocations
2. Major body systems

F. Injuries and proper emergency care

1. Dressings, bandages, slings and immobilization techniques
2. Patient handling and movement

G. Basic life support

H. Life-threatening emergencies

1. Respiratory emergencies
2. Cardiac emergencies
3. Circulatory emergencies

I. Medical emergencies

1. Abdominal and genitourinary emergencies
2. Medical emergencies

3. Neurological emergencies
- J. Emergency childbirth**
 1. Obstetrical emergencies
 2. Pediatric emergencies
- K. Psychiatric emergencies**
 1. Disturbed and unruly
 2. Rape victims
 3. Death and dying - geriatric patients
 4. Substance abuse - alcohol and drugs
- L. Environmental emergencies**
 1. Burns - thermal, chemical, electrical
 2. Exposure to heat, cold, radiation
 3. Bites and stings: reptiles, insects, plants
 4. Aquatic emergencies
 5. Execution

V. Assignments

A. Appropriate Readings

Readings include college-level materials such as a textbook, supplemental reading assignments and professional journals in the area of emergency medical care as related to the course.

B. Writing Assignments

Writing assignments, problem solving exercises and/or skill demonstrations will be assigned as deemed appropriate by the instructor for the student to demonstrate proficiency in the subject matter.

C. Expected Outside Assignments

Reading, researching, critiquing, writing, summarizing or analyzing activities related to current class subject matter.

D. Specific Assignments that Demonstrate Critical Thinking

The student will be required to assess a variety of emergency situations and propose appropriate steps to be taken by emergency personnel.

VI. Methods of Evaluation

Traditional Classroom Instruction

Term paper (topic choice, thesis statement, outline, bibliography, rough draft, final draft), homework, classroom discussion, essay, journals, lab demonstrations and activities, multiple choice quizzes, and participation.

Hybrid Evaluation

All quizzes and exams will be administered during the in person class time. Students will be expected to complete online assignments and activities equivalent to in class assignments and activities for the online portion of the course. Electronic communication, both synchronous and asynchronous (chat/forum) will be evaluated for participation and to maintain effective communication between instructor and students.

Online Evaluation

A variety of methods will be used, such as: research papers, asynchronous and synchronous (chat/forum) discussions, online quizzes and exams, posting to online website and email communications using the districts approved learning management system.

