Lassen Community College Course Outline

EMT-60 Emergency Medical Technician (Basic) 8.5 units

I. Catalog Description

Covers all techniques of emergency medical care and transportation of the sick and injured within the responsibilities of the Emergency Medical Services Authority requirements referenced in Title 22, Division 9, Chapter 2, Article 1 of the California Administrative Code. Upon successful completion, the student will be eligible to take the Certification Exam for Emergency Medical Technician - B (Basic). All 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 to take the NREMT certification examination. This course may be taken as necessary for certification. This course has been approved for online and hybrid delivery. Uniform and lab fee of $200 will be collected at registration.

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.

After registering for the Emergency Medical Technician Program the student will:

1. Verify possession of a valid BLS CPR card from ASHI or AHA.
2. Verify that he or she doesn't have a criminal record and can work in a health care setting.
3. Provide documentation of recent two step tuberculosis testing or equivalent.
4. Provide records of vaccinations or titers required for entry in to clinical environments.
5. Comply with testing required for clinical site rotations such as Covid-19 testing.
6. Complete a 10 panel drug screening.
7. Complete a physical exam.
8. Create an account in My Clinical Exchange and complete all competencies.

Does not transfer to UC/CSU

137 Hours Lecture, 274 Expected Outside Class Hours, 24 Hours Lab, 435 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 completion of this course the student will be able to:

Recognize emergency situations and perform skills

appropriate for the entry level 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 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 (BVM) supplemental oxygen administration, peri-laryngeal airway
   b. Cardiac arrest management (CPR/AED
   c. Bleeding control - Shock Management, use of hemostatic gauze
   d. Emergency Childbirth
   e. Patient Assessment - trauma, patient assessment media
   f. Diagnostic 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

Module I: EMT 1

A. Role and responsibilities
B. Emergency medical services system components
C. Laws governing the EMT B

Module II: Human Systems and Patient Assessment

A. Medical terminology
   Overview of medical terminology including anatomical terms
B. Human systems
   Overview of anatomy and physiology
C. Patient assessment
D. Management skills

Module III: Shock

A. Fluids
B. Assessment and management
   General nature and cause of shock, patient assessment, complications and prehospital management of shock.
C. Management skills

Module IV: General Pharmacology

A. Medication routes
B. General indications of medications

C. Specific Medications which the EMT B may administer or assist the patient in taking.

Module V: Respiratory System

A. Anatomy and physiology
B. Respiratory disorders
   Nature of the illness, patient assessment, complications, and the prehospital management of respiratory disorders.
C. Chest trauma
   Nature of the injury, patient assessment, complications and prehospital management of rib fractures, flail chest, pneumothorax, hemopneumothorax, tension pneumothorax.
D. Management skills

Module VI: Cardiovascular System

A. Anatomy and physiology
B. Cardiovascular problems
   Nature of the illness, patient assessment, complications, and prehospital management of cardiovascular problems.
C. Management skills according to AHA/ARC guidelines.

Module VII: Nervous Systems

A. Anatomy and physiology
   Nature of the illness or injury, patient assessment, complications, and prehospital management of nervous system problems.
B. Nervous system problems
C. Management skills

Module VII: Soft Tissue Trauma

Anatomy and physiology

A. Soft tissue injuries
   Nature of the injury, patient assessment, complications, and the prehospital management of soft tissue injuries.
B. Management skills

Module IX: Musculoskeletal System

A. Anatomy and physiology
B. Musculoskeletal injuries
   Nature of the injury, patient assessment, complications and the prehospital management of musculoskeletal injuries.
C. Management skills

Module X: Medical Emergencies

A. Medical emergencies
   Nature of illness, patient assessment, complications and the prehospital management of medical emergencies.
B. Environmental emergencies
   Nature of the illness, patient assessment, complications and the prehospital management of environmental emergencies.
C. Management skills
   Snake bite treatment to include the constricting band.

Module XI: Obstetric and Gynecologic Emergencies

A. Anatomy and physiology
B. Emergency childbirth
C. Obstetrical and gynecological emergencies
D. The neonate

E. Management skills

Module XII: Pediatrics

A. Respiratory distress

B. Pediatric emergencies

V. Assignments

A. Appropriate Readings

Readings may 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, and completion of accompanying online assignments.

B. Writing Assignments

Writing assignments will be found in both online lab assignments and classroom projects for accurate completion of documentation of medical scenarios.

C. Expected Outside Assignments

Outside class assignments include such activities as reading, researching, critiquing, writing, summarizing or analyzing. Thirty-two hours of Clinical and Ambulance Ride Along experience assignments, at contracted sites, will be required of each student.

D. Specific Assignments that Demonstrate Critical Thinking

Critical thinking will be required of students in such assignments and activities as written and oral analysis and evaluation of problems and/or classroom materials; class discussion of problems, lectures, comments, ideas and observations.

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.

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

☒ **Traditional Classroom Delivery** ☐ Correspondence Delivery

☒ **Hybrid Delivery** ☒ Online Delivery

Traditional Classroom Instruction

Lecture, PowerPoint, and other media presentations, discussions, scenarios, and group presentations.

Hybrid Delivery for Courses with a Lab
Hybrid modality may involve face to face instruction mixed with online instruction. A minimum of 1/3 of instruction, including 100% labs, will be provided face to face. The remaining hours will be taught online through a technology platform as adopted by the district.

Online Delivery
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.

VIII. Representative Texts and Supplies

American Academy of Orthopedic Surgeons (AAOS), *Emergency Care and Transportation of the Sick and Injured with Essentials Access 12th edition*, 2021, Jones & Bartlett Learning, ISBN: 9781284246223

Included in uniform and lab fee:
-LCC EMS Uniform
-Clinical Supply Kit

IX. Discipline/s Assignment

Emergency Medical Technology, Nursing

X. Course Status

Current Status: Active
Original Approval Date: 6/18/1990
Revised By: Christi Myers
Curriculum/Academic Standards Committee Revision Date: 11/29/2022