

Course Outline of Record

Los Medanos College 2700 East Leland Road Pittsburg CA 94565

Course Title: Emergency Medical Technician I – Recertification Subject Area/Course Number:EMS-011

New Course OR **Existing Course**

Author(s): Paul Cutino

Subject Area/Course No.: EMS-011
Units: .50

Course Title: Emergency Medical Technician I - Recertification
Discipline(s): Emergency Medical Services; Nursing

Pre-Requisite(s): Students must have EMT-Basic Certification and have a current CPR card for BLS Healthcare Provider issued by the American Heart Association and it must remain valid for the duration of the EMS-011 class.

Co-Requisite(s): None

Advisories: Eligibility for ENGL-100

Catalog Description:

Provides training and knowledge required for Recertification for Emergency Medical Technician I as outlined by the State of California. EMT Certification is the minimum requirement for ambulance attendants and is a prerequisite for the Paramedic program, as well as most entry level firefighter positions. Content includes review of (1) basic life-support measures; (2) cardiopulmonary resuscitation; and (3) use of emergency medical equipment and supplies. Twenty-four hours of continuing education for EMT-B. EMT certification is the minimum requirement for ambulance attendants and is a prerequisite for the Paramedic program and most entry level firefighter positions. This course is instructed in compliance with Department of Transportation (DOT) National EMS Education Standards (DOT HS 811 077A, January 2009), and is approved by the Contra Costa County - Emergency Medical Services Administration (Title 22) and the National Registry of EMTs.

Schedule Description:

This course prepares you to meet recertification as an Emergency Medical Technician I as required by the State of California. Students must have a current CPR card for BLS Healthcare Provider issued by the American Heart Association and it must remain valid for the duration of the EMS-011 class.

Hrs/Mode of Instruction: Lecture: _12_ Scheduled Lab: _12_ HBA Lab: ____ Composition: ____ Activity: ____ Total Hours _24_

Credit Credit Degree Applicable (DA)
 Credit Non-Degree (NDA)

Grading Pass/No Pass (P/NP)
 Letter (LR)
 Student Choice (SC)

Repeatability 0
 1
 2
 3

Last date of Assessment: _____ Cohort #: _____

Please apply for:

LMC General Education Requirement(s): _____

Transfer to: CSU UC IGETC Area ____ CSU GE Area ____ C-ID Number _____

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Course is Baccalaureate Level: Yes No

Signatures:

Department Chair _____	Date _____
Librarian _____	Date _____
Dean (Technical Review) _____	Date _____
Curriculum Committee Chair _____	Date _____
President/Designee _____	Date _____
CCCCD Approval Date (Board or Chancellor's Office) _____	Date _____

STAND ALONE COURSE: YES NO

Course approved by Curriculum Committee as Baccalaureate Level: YES NO

LMC GE Requirement Approved by the Curriculum Committee: _____

FOR OFFICE OF INSTRUCTION ONLY. DO NOT WRITE IN THE SECTION BELOW.

Begin in Semester _____ Catalog year 20____/20____ Class Max: _____
Dept. Code/Name: _____ T.O.P.s Code: _____ Crossover course 1/ 2: _____
ESL Class: Yes / No DSPS Class: Yes / No Coop Work Exp: Yes / No

Class Code <input type="checkbox"/> A Liberal Arts & Sciences	SAM Code <input type="checkbox"/> A Apprenticeship	Remediation Level <input type="checkbox"/> B Basic Skills
<input type="checkbox"/> B Developmental Preparatory	<input type="checkbox"/> B Advanced Occupational	<input type="checkbox"/> NBS Not Basic Skills
<input type="checkbox"/> C Adult/Secondary Basic Education	<input type="checkbox"/> C Clearly Occupational	
<input type="checkbox"/> D Personal Development/Survival	<input type="checkbox"/> D Possibly Occupational	
<input type="checkbox"/> E For Substantially Handicapped	<input type="checkbox"/> E* Non-Occupational	
<input type="checkbox"/> F Parenting/Family Support		
<input type="checkbox"/> G Community/Civic Development		
<input type="checkbox"/> H General and Cultural		
<input type="checkbox"/> I Career/Technical Education		
<input type="checkbox"/> J Workforce Preparation Enhanced		
<input type="checkbox"/> K Other non-credit enhanced		
<input type="checkbox"/> Not eligible for enhanced		

*Additional criteria needed
 1 One level below transfer
 2 Two levels below transfer
 3 Three levels below transfer

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Institutional Student Learning Outcomes:

General Education SLOs:

At the completion of the LMC general education program, a student will:

1. read critically and communicate effectively as a writer and speaker.
2. understand connections among disciplines and apply interdisciplinary approaches to problem solving.
3. think critically and creatively
4. consider the ethical implications inherent in knowledge, decision-making and action.
5. possess a worldview informed by diverse social, multicultural and global perspectives.

None

Program-Level Student Learning Outcomes (PSLOs):

Students graduating from the Emergency Medical Services Department can graduate with an A.S. Degree or with one or more options – Certificate of Completion: Emergency Medical Technician I or Emergency Medical Technician Recertification.

By the end of this recertification course:

1. Be academically prepared to obtain an entry-level position in the Emergency Medical Services industry.
2. Demonstrate the skills and knowledge necessary to maintain Certification for the National Registry EMT exam, as well as entry level exams for Paramedic Programs.
3. Apply critical thinking to research, evaluate, analyze & synthesize EMS related information.
4. Demonstrate excellent communication skills (oral and/or written) as well as excellent manipulative skills in an EMS field related environment.
5. Demonstrate knowledge of EMS industry manipulative skills and equipment, and ability to apply the skills necessary to succeed in the EMS industry.

Course-Level Student Learning Outcomes (CSLOs):

Upon successful completion of the EMS 011 course, the student will be able to:

1. Explain the roles and responsibilities of the EMT-1 as outlined by the Title 22 of the State of California.
2. Demonstrate competency in the overall course content which includes all subjects & skills listed in Title 22 of the State of California. (PSLO 1-5)
3. Assist Paramedics with patient care within the EMT – 1 scope of practice. (PSLO 2, 4, 5)
4. On a simulated patient, demonstrate use of specific treatment skills based upon adequate and complete physical assessment findings. (PSLO 1-5)
5. Prepared to successfully pass the National Registry EMT written exam as required for EMT-1 certification in the State of California. (PSLO 1-4)

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Assessment Instruments:

Activity/Type of Assignments

Completion of Group assignments; including explanation of a medical condition to include anatomy of involvement, pathophysiology, signs & symptoms, and pre-hospital/ in-hospital treatments. (CLSO 1-4)

Final Examination (Written/skills) (CSLO1-5)

Laboratory practice return demonstration of skills incorporating rationales from classroom/text theory (CLSO 1-4)

Sample written exam questions:

CSLO 1: Which of the following is NOT required to prove a claim of negligence against an EMT?

- a. The patient suffered harm as a result of what the EMT did or did not do.
- b. The patient was in fear of bodily harm at the time of the incident.
- c. The EMT failed to act according to the standard of care.
- d. The EMT had a duty to act.

CSLO 2: Which of the following structures conducts food from the mouth to stomach?

- a. Trachea
- b. Vena Cava
- c. Duodenum
- d. Esophagus

Which of the following best defines inadequate breathing?

- a. Wheezing noises when breathing.
- b. Breathing slower than normal.
- c. Breathing faster than normal.
- d. Breathing that is insufficient to sustain life.

CSLO 3: When assisting a Paramedic with the skill of applying the ECG electrodes, what catch phrase would you use for correct placement?

- a. My Baby is Totally Hot
- b. Scene Safety/BSI
- c. White is Right, Smoke over Fire
- d. Red on Yellow Kill a Fellow, Red on Black Venom Lack

CSLO 4/5: Your patient is a 24 y/o woman with asthma, who is struggling to breathe and is very agitated. She has a cyanosis of her lips and nail beds, and is cool and clammy to the touch. Upon attempting to assist her ventilations with a Bag-Valve Mask Device, she becomes combative and repeatedly pushes the mask away from her face.

Which of the following is the best option?

- a. Use a Non-Rebreather Mask to administer supplemental oxygen.
- b. Begin transport immediately and contact medical control for advice.
- c. Have your partner restrain the patients' hands so you can ventilate her.
- d. Wait for the patient's level of consciousness to decrease so that she can no longer resist your attempts to ventilate.

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Method of Evaluation/Grading:

Each student will be required to take comprehensive written exam, as well as six comprehensive skill stations. The student's ability to demonstrate competency in these areas will be used to assess the CSLOs. The written exam will be used to assess CSLOs 1-5, and the skills exam will be used to assess CSLOs 2-4. The assessment criteria include:

1. Passing the comprehensive written exam with a score of 80% or higher.
2. Demonstrating competency in six skills, including CPR/AED, Airway Management, Medical Assessment, Trauma Assessment, Spinal Immobilization, & a Random Skill.

By demonstrating competency in those areas, the student will have; 1) analyzed two case scenarios, with research and a solution, 2) applied manipulative skills used in the industry, 3) communicated clearly and effectively in a simulated patient assessment.

Final Comprehensive Written Exam (must achieve a minimum of 80%)

Final Comprehensive Skills Exam (must achieve a minimum of 80%)

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Course Content:

<u>Unit of Instruction</u>	<u>Time Allotment in hours</u>
1. Introduction/Orientation to the Course	1
a. Review of current Emergency Medical Care.	
b. Medical/Legal/Ethical Issues – Legal and Ethical Code of Conduct.	
2. Human Body/Initial Assessment	3
a. Review anatomy and physiology of the body.	
b. Differentiate life-threatening emergencies for non-life threatening emergencies.	
3. Airway and Respiratory Emergencies	3
a. Assessment, treatment and management of Airway Emergencies.	
b. Assessment and treatment of Respiratory Emergencies including medication intervention for management of such.	
4. Cardiac Emergencies	3
a. Assessment and treatment of Cardiac Emergencies.	
5. Altered Mental Status/Diabetic Emergencies	3
a. Assessment and treatment non-traumatic problems of the central nervous system and including medication intervention for management of such.	
6. Acute abdominal Emergencies/Allergic Reactions/Poisoning	3
a. Assessment and treatment of non-traumatic problems of the abdomen	
b. Assessment and treatment of allergic reactions	
c. Assessment of treatment of poisoning and overdose emergencies.	
7. Obstetrics and Gynecological Emergencies	2
a. Assessment and treatment of gynecological emergencies including management of such instruction of Emergency Childbirth.	
8. Emergencies Emergencies/Behavioral Emergencies	3
a. Assessment and treatment of environmental emergencies including management of such	
b. Assessment and treatment of behavioral emergencies including management of such	
8. Written Examination/Skill Performance Evaluation	3
a. Comprehensive integration of process and skills performance in Airway management, medical patient assessment, trauma patient assessment and random skills.	

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Lab By Arrangement Activities (If Applicable):

Instructional Methods:

- Lecture
- Lab
- Activity
- Problem-based Learning/Case Studies
- Collaborative Learning/Peer Review
- Demonstration/Modeling
- Role-Playing
- Discussion
- Computer Assisted Instruction
- Other (explain) _____

Textbooks:

Emergency Care, 13th Edition, Limmer, O'Keefe, Dickinson, Brady Publishing Company (2015)