



EMS 111 - Emergency Medical Technician

Catalog Description

Transfer Status: NT

Prerequisite: American Heart Association BLS CPR Card, or equivalent, and must be 18 years of age as of first day of class

Unit(s): 8.00

Lecture: 102.00 Contact hours/204.00 Out of class hours/306.00 Total hours/6.00 Unit(s)

Lab: 102.00 Contact hours/0.00 Out of class hours/102.00 Total hours/2.00 Unit(s)

Total: 204.00 Contact hours/204.00 Out of class hours/408.00 Total hours/8.00 Unit(s)

Course Description: This course will instruct students to the level of Emergency Medical Technician (EMT). This course complies with the required course content for the state of California and the curriculum consists of the required U.S. Department of Transportation EMT-Basic National Standard Curriculum. The course includes all skills necessary for the individual to provide emergency medical care at a basic life support level with an ambulance service or other specialized service. Upon successful completion the student will be eligible to take the National Registry Exam required for certification as an EMT in the state of California. Graded only.

Objectives

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

1. Apply, analyze, and evaluate information relevant to their role as an entry level EMT.
2. Demonstrate technical proficiency in all skills necessary to fulfill the role of an entry level EMT.
3. Demonstrate personal behavior consistent with professional and employer expectations for the entry level EMT.

Course Content

Topic Titles / Suggested Time Topic	
Lecture	
Topics	Lec Hrs
Introduction to Emergency Care	1.00
Well-Being of the EMT	2.00
Medical/Legal and Ethical Issues	3.00
Anatomy/Physiology	3.50
Baseline Vital Signs and SAMPLE History	2.00
Pathophysiology	3.00
Scene Size-up	1.00
Primary Assessment (ABCDE)	2.00
Patient Assessment-Trauma	3.00
Patient Assessment-Medical	3.00
Medical Communications	1.00
Medical Documentation	1.00
General Pharmacology	2.00
Pathophysiology and Emergency Care of Respiratory Emergencies	7.00
Pathophysiology and Emergency Care of Cardiovascular Emergencies	7.00
Pathophysiology and Emergency Care of Altered Mental Status Emergencies	3.50
Pathophysiology and Emergency Care of Allergic Reactions	3.00
Poisoning/Overdose	2.00
Pathophysiology and Emergency Care of Environmental Emergencies	3.00
Behavioral Emergencies	2.00
Pathophysiology of the Reproductive Systems and Emergency Obstetric Care	3.50
Mechanism of Injury	1.00
Pathophysiology and Emergency Care of Shock and Bleeding	3.50
Pathophysiology and Emergency Care of Soft Tissue Injuries	3.00
Pathophysiology and Emergency Care of Musculoskeletal Injuries	3.00
Pathophysiology and Emergency Care of the Central Nervous System	3.00
Pathophysiology and Emergency Care of Chest and Abdominal Trauma	4.00
Lifespan Development	1.00

<u>Topics</u>	<u>Lec Hrs</u>
Emergency Care of Infants and Children	4.00
Ambulance Operations	2.00
Overview of Hazardous Materials (HazMat) and Weapons of Mass Destruction (WMD)	4.00
Testing	5.00
Pathophysiology and Emergency Care of Head/Neck/Spine Injuries	3.00
Pathophysiology and Emergency Care of Diabetic Emergencies	3.00
Incident Command System	1.00
Pathophysiology and Emergency Care of Burns	3.00

Total Hours: 102.00

Lab

<u>Topics</u>	<u>Lab Hrs</u>
Airway Skills - Bag-Valve Mask Ventilation, Oxygen Administration and Suctioning	15.00
Patient Assessment - Medical	15.00
Patient Assessment - Trauma	10.00
Childbirth	3.00
Supervised clinical/ambulance internship scheduled under instructor's guidance	24.00
Splinting and Bandaging	5.00
Bleeding Control	4.00
Cervical Spine Immobilization	10.00
Lifting and Moving Patients Safely	3.00
Vital Signs	2.00
Medication Administration	2.00
Cardiac Arrest Management - CPR and AED	3.00
Soft Tissue Injury Care - Eviscerations, Open Chest Wounds, Amputations, Impaled Objects Neck Lacerations	6.00

Total Hours: 102.00

Methods of Instruction

- A. Class Activities
- B. Demonstrations
- C. Field Experience/Internship
- D. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- E. Instructor Demonstrations
- F. Lecture
- G. Multimedia Presentations
- H. Reading Assignments

Methods of Evaluation

- A. Exams/Tests
- B. Quizzes
- C. Homework
- D. Final Examination
- E. Written Examinations
- F. Performance Examinations
- G. Practical Evaluations
- H. Book reports
 - I. Periodic and final competency based skills exams, based on pre-established standards; student participation in practice sessions, simulations, and a minimum of 24 hours of supervised clinical experience in the hospital Emergency department and supervised instruction on an operational ambulance; affective domain evaluation based on DOT criteria

Examples of Assignments

Reading Assignments

1. Read assigned case study of cardiac emergency and be prepared to discuss in class.
2. Read and evaluate patient care report of peer and review in small groups in class.

Writing Assignments

1. Fill out a patient care report on assigned simulated patient.

2. Write a 1-2 page reflection paper on clinical and/or field experiences.

Out-of-Class Assignments

1. Attend a local EMS symposium. Be prepared to share what you learned in class.
2. Maintain accurate record of patient contacts and clinical/field hours per Title 22, and complete skills objectives.

Recommended Materials of Instruction

Mistovich, J. (2023). Prehospital Emergency Care. *Pearson, 12th*. 9780138223861.

Mistovich, J. (2017). Prehospital Emergency Care Workbook. *Pearson, 11th*. 9780134990651.

Other Learning Materials

Designated grey polo uniform shirt, dark blue pants with belt and hard sole shoes; pre-hospital equipment supplied by EMS Department; EMT skills manual supplied by EMS Department; Name Tag; ambulance and hospital clinical time contracted with local ambulance services and hospitals; background check and drug screening prior to clinical rotation per hospital ambulance policy.

Minimum Qualifications

Emergency Medical Technologies

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Date: 03/10/2025