

Course: JFT 17

Also Listed As:

Term Effective: 199870, CURRICULUM APPROVAL DATE: 09/14/1998

Short Title: EMERGEN MED TECH I

Full Title: Emergency Medical Technician I

<u>Contact Hours/Week</u>	<u>Units</u>	<u>Number of Weeks</u>	<u>Total Contact Hours</u>
Lecture: 21.5	3	4	Lecture: 86
Lab: 12.5			Lab: 50
Other: 0			Other: 0
Total: 34			Total: 136

Credit Status: D - Credit - Degree Applicable

Grading Modes: L - Standard Letter Grade

Repeatability: R 3 times, 100 credit hours

Schedule Types: 02 Lecture and/or discussion  
 03 Lecture/Laboratory  
 04 Laboratory/Studio/Activity

**Course Description:**

This 135 hours course is designed to prepare personnel in the Fire/Safety and related fields to render pre-hospital basic life support including, but not limited to: Advanced First Aid and Cardiopulmonary Life Support for the ill or injured at the scene of an emergency in preparation for transport. It meets all the lecture requirements for certification as an Emergency Medical Technician I as specified in the regulations approved by the State of California Emergency Medical Services Authority and the Emergency Medical Services Officer of the County of Santa Clara and the Office of the State Fire Marshall. Students must successfully complete Fire Fighter Academy 1 to be eligible for certification. May be repeated three times for credit. PREREQUISITE: CPR Emergency Responder ADVISORY: Eligible for English 250 and English 420.

## ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 199870

UC TRANSFER:

Not Transferable

PREREQUISITES:

COREQUISITES:

### STUDENT LEARNING OUTCOMES:

By the conclusion of this course the student will be able to:

1. Describe the major anatomical structures of the body and their functions in relations to the total body systems.
2. Interpret the interrelation of various anatomical structures, and their basic physiology when trauma has occurred.
3. Identify signs and symptoms which indicate disruption of normal bodily processes of an emergent nature.
4. Communicate effectively to health care professional using terminology which will clearly report the condition of the patient, current treatment, and other patient data.
5. Plan and administer care to a patient which will either improve, stabilize, or prevent deterioration of the condition.
6. Access priorities of care with multiple trauma victims and/or multiple victims (triage).
7. Debate and interpret the legal implications of emergency care.
8. Identify his/her role in delivery of emergency medical services, including common problems and formulate suggestions for improvement of services to the community.

### COURSE OBJECTIVES:

See goals.

### TOPICS AND SCOPE:

Curriculum Approval Date: 09/14/1998

4 Wks 135 Hrs. I. Basic Anatomy and Physiology of the Major Body Systems

II. Patient Care

A. Observation and physical assessment of the ill or injured person

1. Chief complaint

2. Mechanism of injury

B. Life-threatening emergencies

1. Airway obstruction

2. Respiratory arrest

3. Cardiac arrest

4. Life-threatening bleeding

5. Shock

C. Injuries

1. Wounds

2. Fractures/dislocations

3. Injuries to the head, neck, chest, abdomen, pelvis, back and extremities

- D. Environmental emergencies
  - 1. Exposure to heat, cold and radiation
  - 2. Thermal, electrical and chemical burns
  - 3. Emergencies related to water and drowning
  - 4. Gas inhalation
  - 5. Electrocutation
- E. Poisoning
- F. Drugs and alcohol overdose
- G. Medical emergencies
  - 1. Heart attack
  - 2. Stroke
  - 3. Respiratory distress--asthma, emphysema
  - 4. Unconscious states
  - 5. Allergic reactions
  - 6. Bites and stings
  - 7. Acute abdominal problems
  - 8. Communicable diseases
- H. Care of the emotionally disturbed/unruly
- I. Emergency child birth
- J. Care of infants and children
- K. Care for the abused and/or sexually assaulted
- L. Death and dying, including Sudden Infant Death Syndrome
- M. Personnel safety
- III. Principles of Triage and Disaster Scene Management
- IV. Medical Care Duties of EMT 1
  - A. Rules and responsibilities
  - B. Legal aspects of emergency care
  - C. Radio communications
  - D. Records and reports
  - E. Maintenance of medical equipment and supplies
  - F. Modes of patient transportation

Lecture, discussion and demonstration will serve as the medium of instruction. Regular assignments will be made for out-of-class study and research. Quizzes and a final exam as well as individual guidance will be provided as required.

**REPRESENTATIVE TEXTBOOKS:**

Required: *Emergency Care and Transportation of the Sick and Injured*, 4th edition, American Academy of Orthopedic Surgeons

EMT Course

EMT Skills Guide

Reading level determined to be 12th + grade level.

**SUPPLEMENTAL DATA:**

Basic Skills: N

Classification: I

Noncredit Category: Y

Cooperative Education:  
Program Status: 1 Program Applicable  
Special Class Status: N  
CAN:  
CAN Sequence:  
CSU Crosswalk Course Department:  
CSU Crosswalk Course Number:  
Prior to College Level: Y  
Non Credit Enhanced Funding: N  
Funding Agency Code: Y  
In-Service: N  
Occupational Course: C  
Maximum Hours:  
Minimum Hours:  
Course Control Number: CCC000196213  
Sports/Physical Education Course: N  
Taxonomy of Program: 213300