

BUTTE COLLEGE

COURSE OUTLINE

I. CATALOG DESCRIPTION

EMS 111 - Emergency Medical Technician

7 Unit(s)

Prerequisite(s): American Heart Association Professional Health Care Provider CPR or equivalent and must be 18 years of age as of first day of class

Recommended Prep: EMS 110

Transfer Status: NT

102 hours Lecture

72 hours Lab

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.

II. OBJECTIVES

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

- A. apply, analyze, and evaluate information relevant to their role as an entry level EMT.
- B. demonstrate technical proficiency in all skills necessary to fulfill the role of an entry level EMT.
- C. demonstrate personal behavior consistent with professional and employer expectations for the entry level EMT.

III. COURSE CONTENT

A. Unit Titles/Suggested Time Schedule

Lecture	
<u>Topics</u>	<u>Hours</u>
1. Introduction to Emergency Care	2.50
2. Well-Being of the EMT	2.50
3. Medical/Legal and Ethical Issues	1.50
4. The Human Body	2.50
5. Baseline Vital Signs and SAMPLE History	2.00
6. Lifting and Moving Patients	3.00
7. Scene Size-up	0.50
8. Initial Assessment	1.00
9. Patient Assessment-Trauma	4.00
10. Patient Assessment-Medical	2.00
11. Patient Assessment-Detailed	2.00
12. Patient Assessment-On-going	1.00
13. Medical Communications	1.00
14. Medical Documentation	1.50
15. General Pharmacology	3.00
16. Respiratory Anatomy/Physiology/Pathophysiology and Emergency Care	8.00

17. Cardiovascular Anatomy/Physiology/Pathophysiology and Emergency Care	8.00
18. Pathophysiology and Emergency Care of Diabetes/Altered Mental Status	3.00
19. Pathophysiology and Emergency Care of Allergic Reactions	3.00
20. Poisoning/Overdose	2.00
21. Pathophysiology and Emergency Care of Environmental Emergencies	3.00
22. Behavioral Emergencies	3.00
23. Anatomy/Physiology/Pathophysiology of the Reproductive Systems and Emergency Obstetric Care	4.00
24. Mechanism of Injury	1.00
25. Pathophysiology and Emergency Care of Shock and Bleeding	4.00
26. Soft Tissue Injuries	2.00
27. Musculoskeletal Care	4.00
28. Anatomy/Physiology/Pathophysiology of the Central Nervous System and Emergency Care of Head/Neck/Spine Injuries	5.00
29. Eye, Face, and Neck injuries	3.00
30. Emergency Care of Chest and Abdominal Trauma	4.00
31. Lifespan Development	2.00
32. Emergency Care of Infants and Children	3.00
33. Ambulance Operations	4.00
34. Gaining Access	1.00
35. Overview of Hazardous Materials, Incident Command System (ICS), Multi-Casualty Incident (MCI), Triage	5.00
Total Hours	102.00

Lab

<u>Topics</u>	<u>Hours</u>
1. Airway	5.00
2. Patient Assessment	11.00
3. Medical/Behavioral Emergencies and Obstetrics/Gynecology	6.00
4. Trauma	10.00
5. Infants and Children	3.00
6. Final Skill Evaluation	5.00
7. Ambulance Operations	8.00
8. Supervised clinical/ambulance internship scheduled under instructor's guidance	24.00
Total Hours	72.00

IV. **METHODS OF INSTRUCTION**

- A. Lecture
- B. Group Discussions
- C. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- D. Demonstrations
- E. Laboratory (maximum 10 student per clinical supervisor)

- F. Student skill performance
- G. Simulated Exercises
- H. Visual Aids
- I. Supervised clinical experience in a hospital emergency department and supervised instruction on an operational ambulance

V. METHODS OF EVALUATION

- A. Written periodic exams
- B. Written comprehensive final exam
- C. Periodic and final competency based skills exams, based on pre-established standards
- D. Student participation in practice sessions and simulations
- E. Student participation in supervised clinical experience in a hospital and supervised instruction on an operational ambulance
- F. Affective domain evaluation based on DOT criteria

VI. EXAMPLES OF ASSIGNMENTS

- A. 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.
- B. Writing Assignments
 - 1. Write a 1-2 page reflection paper on clinical and/or field experiences.
 - 2. Fill out a patient care report on assigned simulated patient.
- C. Out-of-Class Assignments
 - 1. Maintain accurate record of patient contacts and clinical/field hours per Title 22, and complete skills objectives.
 - 2. Attend a local EMS symposium. Be prepared to share what you learned in class.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

- A. Mistovich, J. Prehospital Emergency Care. 10th Edition. Prentice Hall, 2013.
- B. Mistovich, J. Prehospital Emergency Care Workbook. 10th Edition. Prentice Hall, 2013.

Materials Other Than Textbooks:

- A. Designated white uniform shirt, dark blue pants with belt and hard sole shoes
- B. Pre-hospital equipment supplied by Butte Community College
- C. EMT skills manual
- D. Name Tag
- E. Ambulance and hospital clinical time contracted with local ambulance services and hospitals
- F. Student may be required to comply with background check and/or drug screening per hospital policy

Created/Revised by: Michael Smith

Date: 04/04/2016