

# BUTTE COLLEGE

## COURSE OUTLINE

### I. CATALOG DESCRIPTION

#### **EMS 110 - Emergency Medical Responder**

**4 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:** ALH 2 and BIOL 2 and Reading Level IV; English Level IV; Math Level III

**Transfer Status:** NT

51 hours Lecture

51 hours Lab

This course will instruct students to the level of Emergency Medical Responder (EMR). The primary focus of the EMR is to initiate immediate lifesaving care to critical patients who access the emergency medical system. The course covers the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional Emergency Medical Service (EMS) response and to assist higher level personnel at the scene and during transport. Upon successful completion of the course, students will be eligible to take the exam required for certification as an EMR in the state of California.

### II. OBJECTIVES

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

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

### III. COURSE CONTENT

#### **A. Unit Titles/Suggested Time Schedule**

		Lecture	
<u>Topics</u>			<u>Hours</u>
1. EMS Systems			1.00
2. Workforce Safety and Wellness			2.00
3. Documentation			0.50
4. Communication			1.00
5. Medical / Legal and Ethics			1.00
6. Anatomy and Physiology			2.50
7. Medical Terminology			0.50
8. Pathophysiology			1.00
9. Life Span Development			0.50
10. Public Health			0.50
11. Pharmacology			0.50
12. Airway Management			2.00
13. Respiration			2.00
14. Artificial Ventilation			1.00

15.	Scene Size-Up	1.00
16.	Primary Assessment	1.00
17.	History Taking	2.00
18.	Secondary Assessment	1.50
19.	Reassessment	0.50
20.	Shock and Resuscitation	2.00
21.	Cardiovascular Emergencies	2.00
22.	Stroke	1.00
23.	Altered Mental Status	2.00
24.	Medical Emergencies	4.00
25.	Trauma Overview	1.00
26.	Bleeding	1.00
27.	Soft Tissue Trauma	1.00
28.	Orthopedic Trauma	1.00
29.	Chest Trauma	1.00
30.	Abdominal and Genitourinary Trauma	1.00
31.	Head, Facial, Neck and Spine Trauma	1.50
32.	Special Considerations in Trauma	0.50
33.	Environmental Emergencies	1.00
34.	Obstetrics and Neonatal Care	2.00
35.	Pediatrics	1.00
36.	Geriatrics	1.00
37.	EMS Operations	3.00
38.	Multi Casualty	1.00
39.	Behavioral Emergencies	1.00
Total Hours		51.00

#### Lab

<u>Topics</u>	<u>Hours</u>
1. Vital Signs Assessment	6.00
2. Airway Management and Ventilaton	11.00
3. Patient Assessment	10.00
4. Cardio-Pulmonary Resuscitation (CPR)	4.00
5. Lifting, Moving and Extrication	6.00
6. Bleeding Control	4.00
7. Splinting and Bandaging	6.00
8. Childbirth	4.00
Total Hours	51.00

#### **IV. METHODS OF INSTRUCTION**

- A. Lecture
- B. Class Activities
- C. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- D. Reading Assignments

#### **V. METHODS OF EVALUATION**

- A. Exams/Tests
- B. Demonstration
- C. Class participation
- D. Performance Examinations

#### **VI. EXAMPLES OF ASSIGNMENTS**

- A. Reading Assignments
  - 1. Utilizing your EMR text, read the section on patient assessment and be prepared to explain the SAMPLE PQRS mnemonic in class.
  - 2. Read a current peer reviewed article on the importance of hand hygiene and be prepared to discuss its role in disease prevention in class.
- B. Writing Assignments
  - 1. Document a complete set of vital signs, including appropriate descriptors, that would be expected on a Pre-Hospital Care (PCR) report.
  - 2. List the four different kinds of consent to treat a patient and give an example of each.
- C. Out-of-Class Assignments
  - 1. Successfully complete the internet FEMA module, ICS 100, Introduction to the Incident Command System, prior to classroom lecture on Multi Casualty response and be prepared to explain the role of EMS.
  - 2. Research and present an oral report on Death and Dying to the class.

#### **VII. RECOMMENDED MATERIALS OF INSTRUCTION**

Textbooks:

- A. LeBaudour, C., Bergeron, J. Emergency Medical Responder. 10th Edition. Pearson, 2016.

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**Date:** 03/07/2016