

**EMC 104.1 Course Outline as of Spring 2014****CATALOG INFORMATION**

Dept and Nbr: EMC 104.1 Title: EMT BASIC - REFRESHER

Full Title: Emergency Medical Technician Basic - Refresher

Last Reviewed: 2/24/2020

<b>Units</b>	<b>Course Hours per Week</b>		<b>Nbr of Weeks</b>		<b>Course Hours Total</b>	
Maximum	1.00	Lecture Scheduled	0.50	17.5	Lecture Scheduled	8.75
Minimum	1.00	Lab Scheduled	1.50	1	Lab Scheduled	26.25
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 17.50

Total Student Learning Hours: 52.50

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 21 - Legally Mandated Repetition

Also Listed As:

Formerly: EMC 274.1

**Catalog Description:**

Refresher course designed to update the knowledge and skills of the EMT-Basic (B) in compliance with the requirements as outlined by the State of California Administration Code. Basic principles learned as an EMT(B) are used in the exploration and solving of problems encountered in the pre-hospital setting.

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:**

EMT-1 certificate, current or expired no more than 2 years. Current CPR card for Health Care Providers.

**Schedule of Classes Information:**

Description: Refresher course designed to update the knowledge and skills of the EMT- Basic (B) in compliance with the requirements as outlined by the State of California Administration Code. Basic principles learned as an EMT-Basic (B) used in the exploration and solving of problems encountered in the pre-hospital setting. (P/NP Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment: EMT-1 certificate, current or expired no more than 2 years. Current CPR card for Health Care Providers.

Transfer Credit:

Repeatability: Legally Mandated Repetition

### **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Effective:	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

### **COURSE CONTENT**

**Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Upon completion of this course the student will identify changes and updates that apply to maintaining California certification as an Emergency Medical Technician.

**Objectives:**

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

1. Identify any change in the state Emergency Medical Technician (EMT) regulations.
2. Demonstrate the ability to complete a patient assessment.
3. Review treatment and demonstrate proficiency in the care of:
  - a. trauma emergencies
  - b. cardiac and respiratory emergencies
  - c. emergency childbirth
  - d. pediatric emergencies
  - e. musculo-skeletal emergencies
  - f. neurological emergencies
  - g. environmental emergencies
4. Identify principles of triage and demonstrate management skills necessary during a mass casualty incident.
5. Demonstrate proficiency at cardiopulmonary resuscitation according to the American Heart Association guidelines.
6. Identify and list communicable diseases that are of concern to the pre-hospital workers.
7. Define Sudden Infant Death Syndrome and cite impact to emergency medical care personnel.

8. Demonstrate basic airway management skills.
9. Review EMT skills as described by National Registry.

### **Topics and Scope:**

1. Pre-Hospital Care and Patient Assessment
  - a. Trauma scoring
  - b. Reporting information
  - c. Severe bleeding and shock
2. Respiratory Emergencies
  - a. Airway adjunct and indication for use
  - b. Practice of airway management
  - c. Respiratory scenarios/simulations
3. Musculo-Skeletal Emergencies
  - a. Anatomy and physiology
  - b. Assessment/treatment of fractures
4. Neurological Emergencies
  - a. Motor vehicle accident-spinal injuries
  - b. Spinal immobilization
5. Cardiovascular Emergencies
  - a. Myocardial infarction and treatment
  - b. American Heart Association CPR guidelines
6. Obstetrics/Pediatrics
  - a. Emergency childbirth
  - b. Infant/pediatric resuscitation
7. Environmental Emergencies
  - a. Hazardous materials
  - b. Hyper/hypothermia
  - c. Bites and stings
8. Triage
  - a. Simple triage and rapid transport
  - b. Multi casualty incident management
9. Communicable disease
  - a. Body substance, isolation precautions
  - b. Diseases of concern to EMS
10. Sudden Infant Death Syndrome
  - a. EMT role
  - b. Stress management of parent and caregiver
11. Introduction of Pediatric Education for Pre-Hospital Professionals
12. National Registry skills
  - a. Patient assessment
    1. Trauma
    2. Medical
  - b. Cardiac arrest management
  - c. Airway management
  - d. Spinal immobilization
    1. Supine
    2. Seated
  - e. Immobilization
    1. Joints
    2. Traction
  - f. Bleeding / shock management

13. EMT regulatory updates
  - a. scope of practice
  - b. medical legal issues

**Assignment:**

1. Read approximately 12 pages per one hour of instruction. (144 pages)
2. Develop 5 emergency response scenarios to be presented in groups.
3. Demonstration of 9 national registry skills.(not graded)
4. Demonstration of California mandated skills.

**Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

group scenarios with oral report to class

Problem solving  
20 - 40%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Skill demonstration of national registry skills and California mandated skill

Skill Demonstrations  
60 - 80%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

EMT Complete; 2nd Ed. ; Le Baudour, Batsie, Dickensen and Limmer; Brady Books 2013  
Emergency Care Transportation of the Sick and Injured; 10 Ed; AAOS: Jones and Bartlett  
Instructor prepared materials