

# EMR 380A: EMERGENCY MEDICAL RESPONDER 1A

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**Originator**

chwilson

**Justification / Rationale**

Textbook Update

**Effective Term**

Fall 2022

**Credit Status**

Noncredit

**Subject**

EMR - Emergency Medical Responder

**Course Number**

380A

**Full Course Title**

Emergency Medical Responder 1A

**Short Title**

EMR 1A

**Discipline****Disciplines List**

Emergency Medical Technologies

**Modality**

Face-to-Face

**Catalog Description**

This two-course sequence prepares the EMR student to provide emergency pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMRs, anatomy and physiology, medical emergencies, trauma, and special considerations for working in the pre-hospital setting.

**Schedule Description**

This two-course Emergency Medical Responder sequence prepares the EMR student to provide emergency pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. This course meets Title 22 regulations and National EMS Educational Standards.

**Non-credit Hours**

81

**In-class Hours**

45

**Out-of-class Hours**

36

**Total Course Units**

0

**Total Semester Hours**

81

**Override Description**

Noncredit override.

## Required Text and Other Instructional Materials

**Resource Type**

Book

**Open Educational Resource**

No

**Formatting Style**

APA

**Author**

Schottke, David, American Academy of Orthopedic Surgeons (AAOS)

**Title**

Emergency Medical Responder (Navigate 2 Advantage Access)

**Edition**

7th

**City**

Burlington

**Publisher**

Jones Bartlett Learning

**Year**

2020

**College Level**

Yes

**Flesch-Kincaid Level**

12

**ISBN #**

9781284225914

**Resource Type**

Book

**Open Educational Resource**

No

**Formatting Style**

APA

**Author**

American Heart Association

**Title**

AHA BLS Provider Manual Book

**City**

Dallas

**Publisher**

American Heart Association

**Year**

2020

**College Level**

Yes

**Flesch-Kincaid Level**

12

**ISBN #**

9781616697686

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**For Text greater than five years old, list rationale:**

Textbook is current with treatment guidelines set by California Title 22 regulations and National Emergency Medical Services Educational Standards.

**Class Size Maximum**

30

**Course Content**

1. Introduction to EMS Systems
  - a. The EMS System
  - b. The Emergency Medical Responder
  - c. The Role of the Public Health System
  - d. Disaster Assistance
  - e. The Role of Research in EMS
  - f. Advances in Technology
2. Legal and Ethical Principles of Emergency Care
  - a. Legal Duties
  - b. Consent
  - c. Advance Directives
  - d. Negligence
  - e. Abandonment
  - f. Confidentiality
  - g. Reportable Events
  - h. Special Situations
3. Wellness and Safety of the Emergency Medical Responder (EMR)
  - a. Personal Well Being
  - b. Scene Safety
  - c. Rescue Operations
  - d. Crime Scenes and Acts of Violence
  - e. Emotional Aspects of Emergency Medical Care
  - f. Death and Dying
4. Introduction to Medical Terminology, Human Anatomy, and Lifespan Development
  - a. Medical Terminology
  - b. Positional and Directional Terms
  - c. Overview of the Human Body
  - d. Body Systems
  - e. Lifespan Development
5. Principles of Lifting, Moving, and Positioning of Patients
  - a. Principles of Moving Patients
  - b. Emergency Moves
  - c. Standard Moves
  - d. Equipment for Transporting Patients
  - e. Patient Positioning
  - f. Restraining Patients
6. Principles of Effective Communication
  - a. What is Communication
  - b. Types of Communication

- c. The Communication Process
- d. Transfer of Care
- e. Radio Communications
7. Principles of Effective Documentation
  - a. Patient Care Reports
  - b. Methods of Documentation
8. Airway Management and Ventilation
  - a. Breathing
  - b. Respiratory System Anatomy
  - c. Signs of Normal Breathing
  - d. Signs of Abnormal Breathing
  - e. Rescue Breathing
  - f. Opening the Airway
  - g. Barrier Devices
  - h. Mouth-to-Mask Ventilation
  - i. Mouth-to-Shield Ventilation
  - j. Special Patients
  - k. Air in the Stomach and Vomiting
    - l. Airway Obstruction
  - m. Aids to Airway Management
  - n. Bag-Mask Ventilation
  - o. Suction Systems
9. Oxygen Therapy
  - a. Importance of Oxygen
  - b. Hazards of Oxygen
  - c. Oxygen Therapy Equipment
  - d. Administering Oxygen
10. Resuscitation and the Use of the Automated External Defibrillator
  - a. The Chain of Survival
  - b. Circulation and CPR
  - c. Adult and Child CPR
  - d. Infant and Neonatal CPR
  - e. Ensuring Effective CPR for All Patients
  - f. Special CPR Situations
  - g. Automated External Defibrillation
11. Obtaining a Medical History and Vital Signs
  - a. Obtaining a Medical History
  - b. Vital Signs
12. Principles of Patient Assessment
  - a. Patient Assessment
  - b. Scene Size-up
  - c. Primary Assessment
  - d. Secondary Assessment
  - e. Reassessment
13. Caring for Cardiac Emergencies
  - a. Normal Heart Function
  - b. Cardiac Compromise
  - c. Emergency Care for Cardiac Compromise
14. Caring for Respiratory Emergencies
  - a. Overview of Respiratory Anatomy
  - b. Respiratory Compromise
15. Caring for Common Medical Emergencies
  - a. Medical Emergencies

**Course Objectives**

<b>Objectives</b>	
Objective 1	Describe the roles of EMS in the health care system.
Objective 2	Demonstrate the professional attributes expected of EMRs.
Objective 3	Perform the roles and responsibilities of an EMR with regard to personal safety and wellness, as well as the safety of others.
Objective 4	Perform the duties of an EMR with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice.
Objective 5	Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.
Objective 6	Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.
Objective 7	Assess and manage patients of all ages with a variety of complaints, medical conditions and traumatic injuries.
Objective 8	Apply principles of emergency medical services operations, including considerations in ambulance and air medical transportation, multiple casualty incidents, gaining access to and extricating patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.

**Student Learning Outcomes**

<b>Upon satisfactory completion of this course, students will be able to:</b>	
Outcome 1	Assess and identify the situational safety and nature of a patient's condition.
Outcome 2	Communicate a patient's condition and initiate intervention.

**Methods of Instruction**

<b>Method</b>	<b>Please provide a description or examples of how each instructional method will be used in this course.</b>
Activity	In-class instructor-lead skills followed by instructor-lead analysis
Role Playing	Group projects in class where students role-play as team members and team leaders to communicate a patient's condition and initiate interventions
Participation	Discussion groups led by an instructor where students analyze and interpret case studies
Lecture	The reading of emergency medical texts in a class by the instructor and students, followed by instructor-guided interpretation
Demonstration, Repetition/Practice	In-class demonstrations where students, as a team leader or a member of a team, demonstrate communication, assessment skills, and medical interventions, followed by an instructor -lead analysis

**Methods of Evaluation**

<b>Method</b>	<b>Please provide a description or examples of how each evaluation method will be used in this course.</b>	<b>Type of Assignment</b>
Written homework	Students will be able to explain, interpret and classify human anatomy, body systems, and disease processes through reading and case studies	In and Out of Class
Oral and practical examination	Students will be able to recall information orally and through the execution of skills and will be evaluated on content, form, terminology and knowledge of the subject matter	In Class Only
Student participation/contribution	Evaluation of participation and contributions during class discussions for content, form and methodology	In Class Only
Tests/Quizzes/Examinations	Evaluation of content, terminology, knowledge of subject matter and the ability to identify and interpret medical signs and symptoms	In Class Only
Presentations/student demonstration observations	Evaluation of the ability to interpret medical signs and symptoms, and identify life threatening issues	In Class Only

Other

Out-of-class hours will be accounted for electronically through the learning management system

Out of Class Only

**Assignments****Other In-class Assignments**

1. Skills Lab
2. Class presentation

**Other Out-of-class Assignments**

1. Textbook and supplemental readings, approximately 2 to 4 chapters per week
2. Analytical problem solving
3. Complete chapter review questions for approximately 20 chapters

**Grade Methods**

Pass/No Pass Only

**MIS Course Data****CIP Code**

51.0904 - Emergency Medical Technology/Technician (EMT Paramedic).

**TOP Code**

125000 - Emergency Medical Services

**SAM Code**

C - Clearly Occupational

**Basic Skills Status**

Not Basic Skills

**Prior College Level**

Not applicable

**Cooperative Work Experience**

Not a Coop Course

**Course Classification Status**

Other Non-credit Enhanced Funding

**Approved Special Class**

Not special class

**Noncredit Category**

Short-Term Vocational

**Funding Agency Category**

Not Applicable

**Program Status**

Program Applicable

**Transfer Status**

Not transferable

**Allow Audit**

No

**Repeatability**

Yes

**Repeatability Limit**

NC

**Repeat Type**

Noncredit

**Justification**

Noncredit courses are repeatable until students achieve the skills and knowledge required to meet the objectives and outcomes of the course.

**Materials Fee**

No

**Additional Fees?**

No

**Approvals****Curriculum Committee Approval Date**

11/18/2021

**Academic Senate Approval Date**

12/09/2021

**Board of Trustees Approval Date**

01/21/2022

**Chancellor's Office Approval Date**

03/18/2022

**Course Control Number**

CCC000611583

**Programs referencing this course**

Emergency Medical Services Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined/?key=289>)

Emergency Medical Responder Intermediate Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined/?key=290>)

Emergency Medical Responder Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined/?key=291>)