

EMR 080: EMERGENCY MEDICAL RESPONDER

Originator

chwilson

Justification / Rationale

Textbook update.

Effective Term

Fall 2022

Credit Status

Credit - Degree Applicable

Subject

EMR - Emergency Medical Responder

Course Number

080

Full Course Title

Emergency Medical Responder

Short Title

EMR

Discipline**Disciplines List**

Emergency Medical Technologies

Modality

Face-to-Face

Hybrid

Catalog Description

This course prepares the EMR student to provide emergency prehospital 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 prehospital setting. "Cardiopulmonary resuscitation" (CPR) means establishing and maintaining an open airway, ensuring adequate respiration, and ensuring adequate circulation either spontaneously or by means of closed-chest cardiac compression, according to standards promulgated by the current American Heart Association (AHA) Guidelines for Cardiopulmonary Resuscitation (CPR) and Emergency Cardiovascular Care (ECC). A \$12.50 fee is required for this course to cover the AHA Basic Life Support (BLS) certificate. Students are required to purchase a uniform and attend a mandatory orientation prior to the start of the course. Check the program website for additional information. Note: Authority cited: Section 1797.107, Health and Safety Code. Reference: Sections 1797.182 and 1797.183, Health and Safety Code; and Section 13518, Penal Code.

Schedule Description

The Emergency Medical Responder course prepares the EMR student to provide emergency prehospital 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. A \$12.50 fee is required for this course to cover the American Heart Association (AHA) Basic Life Support (BLS) certificate. Check the program website for additional information. Student must be 18 years of age by the last day of the course to sit for the NREMT national registry exam.

Lecture Units

2

Lecture Semester Hours

36

Lab Units

1

Lab Semester Hours

54

In-class Hours

90

Out-of-class Hours

72

Total Course Units

3

Total Semester Hours

162

Required Text and Other Instructional Materials**Resource Type**

Book

Open Educational Resource

No

Author

American Heart Association

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

ISBN #

AHA Product Number20-1102 ISBN: 978-1-61669-768-6

Class Size Maximum

30

Course Content**A. EMS System**

1. Workforce Safety and Wellness
2. Lifting and Moving Patients
3. Medical, Legal and Ethical issues
4. Communications and Documentations
5. The Human Body

B. Airway

1. Airway Management
2. Professional Rescuer CPR

C. Patient Assessment

1. Medical
2. Trauma
3. Primary
4. Secondary

D. Medical Emergencies

1. Poisoning and Substance Abuse
2. Behavioral Emergencies
3. Environmental Emergencies

E. Trauma

1. Bleeding, Shock, and Soft Tissue
2. Injuries to Muscle and Bones

F. Special Population

1. Childbirth
2. Pediatric Emergencies
3. Geriatric Emergencies

G. EMS Operations

1. Transport Operations
2. Vehicle Extrication and Special Rescue
3. Incident Management

Lab Content

- A. Lifting, Moving, and Positioning of Patients

1. Principles of Moving Patients
2. Emergency Moves
3. Standard Moves
4. Equipment for Transporting Patients
5. Patient Positioning
6. Restraining Patients
- B. Airway Management
 1. Rescue Breathing
 2. Opening the Airway
 3. Barrier Devices
 4. Mouth-to-Mask Ventilation
 5. Mouth-to-Shield Ventilation
 6. Special Patients
 7. Air in the Stomach and Vomiting
 8. Airway Obstruction
 9. Aids to Airway Management
10. Bag-Mask Ventilation
- C. Patient Assessment
 1. Primary Assessment
 2. Secondary Assessment
 3. Vital Signs
 4. Reassessment
- D. Resuscitation
 1. Chest compression on adults, children, and infants
 2. Use of the AED
 3. One Rescuer CPR
 4. Two Rescuer CPR
- E. Trauma
 1. Basic Splinting
 2. Bleeding Control
 3. Spinal immobilization
 4. Chest Seals
 5. Shock Management
 6. Impaled Object Management
- F. Delivery of a Newborn
 1. Breech birth
 2. Stillborn delivery
 3. Excessive Bleeding After Delivery
 4. Premature Birth
 5. Ectopic Pregnancy

Course Objectives

	Objectives
Objective 1	Describe the different elements of an emergency medical services (EMS) system.
Objective 2	Describe the emotional aspects of emergency care encountered by patients, patient's families, and emergency medical responders.
Objective 3	Evaluate the components of good body mechanics.
Objective 4	Discuss the duties of an EMR with regard to medical-legal and ethical issues.
Objective 5	Identify the locations of the human body, including the anatomic position and the planes of the body, using topographic anatomy terms.
Objective 6	Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.

Objective 7 Describe the steps of the primary assessment.

Objective 8 Describe the sequence used to perform a secondary assessment of the entire body.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:

Outcome 1 Identify the situational safety and nature of a patient's condition.

Outcome 2 Analyze and communicate a patient's condition and initiate intervention as the team leader and as a team member.

Outcome 3 Demonstrate fundamental knowledge and understanding of emergency medical terminology and systems.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	In-class instructor modeled practical skills followed by an instructor- lead analysis.
Lecture	Reading of emergency medical texts in class by instructor and students, followed by instructor guided interpretation.
Technology-based instruction	Instructor guided online discussion forums on emergency medical situations and situational safety
Role Playing	Group projects in class where students role-play as team members and team leaders who communicate a patient's condition and initiate interventions.
Demonstration, Repetition/Practice	In class demonstration where students, as the team leader and team members, demonstrate communication, assessment skills, and medical interventions, followed by an instructor lead analysis.
Discussion	Discussion groups lead by an instructor where students analyze and interpret case studies for situational awareness and patient condition.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Written homework	Students will be able to explain, interpret and classify body human anatomy, body systems, disease processes through chapter reading and case studies.	Out of Class Only
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. Students will be evaluated on knowledge of required skills.	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 on content, terminology, knowledge of subject matter, and the ability to identify and interpret medical signs and symptoms. Examinations will include an in -class mid-term and a final exam, and chapter exams completed in and out of the classroom.	In and Out of Class
Presentations/student demonstration observations	Evaluation on the ability to interpret medical signs and symptoms, and identify life threatening issues.	In Class Only
Laboratory projects	Evaluation of correct treatment moralities for content, application and completeness.	In Class Only
Student participation/contribution	Discussion forums with substantive instructor participation	Out of Class Only

Assignments

Other In-class Assignments

1. Participation
2. Observation
3. Group discussions
4. Isolated skills practice
5. Team lead scenarios
6. Team member scenarios

Other Out-of-class Assignments

Reading assigned chapters, approximately 2 to 3 per week or 25 to 30 pages.

Viewing assigned videos, approximately one per week.

Completing online quizzes, approximately 1 to 2 per week.

Grade Methods

Letter Grade Only

Distance Education Checklist

Include the percentage of online and on-campus instruction you anticipate.

Online %

60

On-campus %

40

What will you be doing in the face-to-face sections of your course that necessitates a hybrid delivery vs a fully online delivery?

Hands-on skills practice in a group setting with primary instructors guiding and evaluating student progress.

Instructional Materials and Resources**Effective Student/Faculty Contact**

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

Within Course Management System:

Chat room/instant messaging
Discussion forums with substantive instructor participation
Online quizzes and examinations
Private messages
Regular virtual office hours
Timely feedback and return of student work as specified in the syllabus
Weekly announcements

External to Course Management System:

Direct e-mail
Posted audio/video (including YouTube, 3cm mediasolutions, etc.)
Telephone contact/voicemail

For hybrid courses:

Orientation, study, and/or review sessions
Scheduled Face-to-Face group or individual meetings

Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

Students will have Face-to-Face group meetings twice a week and discussion forms weekly. Students may contact the instructor for questions or issues via email, phone, office hours, or in-person during the lecture or skills labs.

Other Information

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

Credit Course

Approved Special Class

Not special class

Noncredit Category

Not Applicable, Credit Course

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

General Education Status

Y = Not applicable

Support Course Status

N = Course is not a support course

Allow Audit

No

Repeatability

No

Materials Fee

Yes

Total Material Fees

\$12.50

Itemized Material Fee List

Cost Per Item	Total Cost	Fee Description
	\$12.50	American Heart Association (AHA) Basic Life Support (BLS) certification

Per Education Code section 76365 and Title 5 regulations, please describe how the required material(s) meets the following.

Required Material Description

American Heart Association (AHA) Basic Life Support (BLS) certification

Tangible personal property?

Yes

Owned or controlled by the student?

Yes

Solely available from the district?

Students are required to take and successfully complete the American Heart Association (AHA) Basic Life Support (BLS) certification for course completion.

Continuing value outside the classroom setting?

Yes, BLS certificates are required for employment as an EMT.

Additional Fees?

No

Files Uploaded
Attach relevant documents (example: Advisory Committee or Department Minutes)

EMS Advisory Minutes November 2020 (2).docx

Approvals
Curriculum Committee Approval Date

11/18/2021

Academic Senate Approval Date

12/09/2021

Board of Trustees Approval Date

01/21/2022

Course Control Number

CCC000611436

Programs referencing this course

Emergency Medical Services Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined/?key=134>)

Fire Technology Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined/?key=146>)

Public Safety Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined/?key=256>)

Emergency Medical Technician Basic Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined/?key=333>)

Fire Technology AS Degree (employment preparation) (<http://catalog.collegeofthedesert.eduundefined/?key=63>)