

EMR 080B: EMERGENCY MEDICAL RESPONDER 1B

Originator

chwilson

Justification / Rationale

Textbook Update

Effective Term

Fall 2022

Credit Status

Credit - Degree Applicable

Subject

EMR - Emergency Medical Responder

Course Number

080B

Full Course Title

Emergency Medical Responder 1B

Short Title

EMR 1B

Discipline**Disciplines List**

Emergency Medical Technologies

Modality

Face-to-Face

Catalog Description

This second course in the 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 second Emergency Medical Responder course in the 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.

Prerequisite: EMT 080A, EMR 080A and EMR 380A

Lecture Units

1

Lecture Semester Hours

18

Lab Units

0.5

Lab Semester Hours

27

In-class Hours

45

Out-of-class Hours

36

Total Course Units

1.5

Total Semester Hours

81

Prerequisite Course(s)

EMT 080A, EMR 080A or EMR 380A

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

Class Size Maximum

30

Entrance Skills

Identify the situational safety of the scene.

Access a patient's condition.

Requisite Course Objectives

EMR 080A-Describe the roles of EMS providers in the health care system.

EMR 080A-Perform the roles and responsibilities of an EMR with regard to personal safety and wellness, as well as the safety of others.

EMR 080A-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.

EMR 080A-Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.

EMR 080A-Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.

EMR 080A-Assess and manage patients of all ages with a variety of complaints, medical conditions and traumatic injuries.

Entrance Skills

EMR 080A-Describe the roles of EMS providers in the health care system.

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EMR 080A-Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.

EMR 080A-Assess and manage patients of all ages with a variety of complaints, medical conditions, and traumatic injuries.

Course Content

A. Caring for Common Medical Emergencies

1. Medical Emergencies
2. Evaluating Mental Status
3. Overdose and Poisoning
4. Behavioral Emergencies
5. Use of Narcan for narcotic overdose
6. Use of Epinephrine by auto injector for anaphylaxis or severe asthma
7. Environmental Emergencies
8. Temperature and the Body
9. Heat Emergencies
10. Cold Emergencies
11. Bites and Stings
12. Water-Related Incidents
13. Ice-related Incidents

B. Caring for Soft-Tissue Injuries

1. Heart, Blood and Blood Vessels
2. Bleeding
3. Soft-Tissue Injuries
4. Burns

C. Recognition and Care of Shock

1. Perfusion and Shock
2. Mechanism of Injury and Shock

D. Caring for Muscle and Bone Injuries

1. Musculoskeletal System
2. Appendicular Skeleton
3. Splinting
4. Management of Specific Extremity Injuries

E. Caring for Head and Spine Injuries

1. Anatomy of the Head and Spine
2. Mechanisms of Injury
3. Injuries to the Head and Face
4. Injuries to the Spine

F. Caring for Chest and Abdominal Emergencies

1. Anatomy of the Chest

2. Chest Injuries
 3. Abdominal Emergencies
 4. Abdominal Injuries
- G. Care During Pregnancy and Childbirth
1. Understanding Childbirth
 2. Delivery
 3. Complications and Emergencies
- H. Caring for Infants and Children
1. Caring for the Pediatric Patient
 2. Characteristics of Infants and Children
 3. Assessment of Infants and Children
 4. Managing Specific Medical Emergencies
 5. Managing Trauma Emergencies
- I. Special Considerations for the Geriatric Patient
1. Understanding Geriatric Patients
 2. Characteristics of Geriatric Patients
 3. Age-Related Physical Changes
 4. Assessment of Geriatric Patients
 5. Common Medical Problems of Geriatric Patients
- J. Introduction to EMS Operations and Hazardous Materials
1. Safety
 2. The Call
 3. Motor-Vehicle Collisions
 4. Building Access
 5. Hazards
- K. Introduction to Multiple-Casualty Incidents, The Incident Command System, and Triage
1. Multiple-Casualty Incidents
 2. Incident Command System

Lab Content

- A. Demonstrate Principles of 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. Demonstrate Principles of Effective Documentation
1. Patient Care Reports
 2. Methods of Documentation
- C. Demonstrate Airway Management and Ventilation
1. Breathing
 2. Respiratory System Anatomy
 3. Signs of Normal Breathing
 4. Signs of Abnormal Breathing
 5. Rescue Breathing
 6. Opening the Airway
 7. Barrier Devices
 8. Mouth-to-Mask Ventilation
 9. Mouth-to-Shield Ventilation
 10. Special Patients

11. Air in the Stomach and Vomiting
 12. Airway Obstruction
 13. Aids to Airway Management
 14. Bag-Mask Ventilation
- D. Demonstrate Obtaining a Medical History and Vital Signs
1. Obtaining a Medical History
 2. Vital Signs
- E. Demonstrate Principles of Patient Assessment
1. Patient Assessment
 2. Scene Size-up
 3. Primary Assessment
 4. Secondary Assessment
 5. Reassessment

Course Objectives

	Objectives
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

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Demonstrate fundamental knowledge and understanding of medical terminology.
Outcome 2	Demonstrate fundamental knowledge and understanding of emergency medical services 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 instructor-lead analysis.
Lecture	The reading of emergency medical texts in class by the instructor and students followed by instructor guided interpretation.
Role Playing	In-class group projects where students are team leaders and team members who communicate a patient's condition and initiate interventions.
Discussion	Instructor-lead discussion groups 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 human anatomy, body systems, disease processes through assigned 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 on content, terminology, knowledge of subject matter and the ability to identify and interpret medical signs and symptoms by 10 -20 chapter quizzes, and final exam.	In Class Only
Presentations/student demonstration observations	Evaluations on the ability to interpret medical signs and symptoms and identify life -threatening issues.	In Class Only
Laboratory projects	Evaluation of correct treatment modalities for content, application of skills and completeness.	In 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

- a. Textbook and supplemental readings, approximately 2 -4 chapters per week
- b. Analytical problem solving
- c. Complete chapter review questions for 20 chapters

Grade Methods

Letter Grade 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

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

No

Additional Fees?

No

Files Uploaded

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

EMS Advisory Minutes November 2020.docx

Approvals**Curriculum Committee Approval Date**

04/05/2022

Academic Senate Approval Date

04/28/2022

Board of Trustees Approval Date

06/16/2022

Chancellor's Office Approval Date

06/18/2022

Course Control Number

CCC000632409

Programs referencing this course

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

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

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