EMR 080A: EMERGENCY MEDICAL RESPONDER 1A

Originator
chwilson

Justification / Rationale
Textbook Update

Effective Term
Fall 2022

Credit Status
Credit - Degree Applicable

Subject
EMR - Emergency Medical Responder

Course Number
080A

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 (EMR) 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 Emergency Medical Services (EMS) Educational Standards.

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

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 Manuel Book

City
Dallas

Publisher
American Heart Association

Year
2020

College Level
Yes

Flesch-Kincaid Level
12

ISBN #
9781616697686

Class Size Maximum
30

Course Content
a. Introduction to EMS Systems
  i. The EMS System
  ii. The Emergency Medical Responder
  iii. The Role of the Public Health System
  iv. Disaster Assistance
  v. The Role of Research in EMS
  vi. Advances in Technology
b. Legal and Ethical Principles of Emergency Care
  i. Legal Duties
  ii. Consent
  iii. Advance Directives
  iv. Negligence
  v. Abandonment
  vi. Confidentiality
  vii. Reportable Events
  viii. Special Situations
c. Wellness and Safety of the Emergency Medical Responder (EMR)
  i. Personal Well Being
  ii. Scene Safety
  iii. Rescue Operations
  iv. Crime Scenes and Acts of Violence
  v. Emotional Aspects of Emergency Medical Care
  vi. Death and Dying
d. Introduction to Medical Terminology, Human Anatomy, and Lifespan Development
  i. Medical Terminology
  ii. Positional and Directional Terms
  iii. Overview of the Human Body
  iv. Body Systems
  v. Lifespan Development
e. Principles of Lifting, Moving, and Positioning of Patients
  i. Principles of Moving Patients
  ii. Emergency Moves
  iii. Standard Moves
  iv. Equipment for Transporting Patients

v. Patient Positioning
vi. Restraining Patients
f. Principles of Effective Communication
i. What is Communication
ii. Types of Communication
iii. The Communication Process
iv. Transfer of Care
v. Radio Communications
g. Principles of Effective Documentation
i. Patient Care Reports
ii. Methods of Documentation
h. Airway Management and Ventilation
i. Breathing
ii. Respiratory System Anatomy
iii. Signs of Normal Breathing
iv. Signs of Abnormal Breathing
v. Rescue Breathing
vi. Opening the Airway
vii. Barrier Devices
viii. Mouth-to-Mask Ventilation
ix. Mouth-to-Shield Ventilation
x. Special Patients
xi. Air in the Stomach and Vomiting
xii. Airway Obstruction
xiii. Aids to Airway Management
xiv. Bag-Mask Ventilation
xv. Suction Systems
i. Oxygen Therapy
i. Importance of Oxygen
ii. Hazards of Oxygen
iii. Oxygen Therapy Equipment
iv. Administering Oxygen
j. Resuscitation and the Use of the Automated External Defibrillator
i. The Chain of Survival
ii. Circulation and CPR
iii. Adult and Child CPR
iv. Infant and Neonatal CPR
v. Ensuring Effective CPR for All Patients
vi. Special CPR Situations
vii. Automated External Defibrillation
k. Obtaining a Medical History and Vital Signs
i. Obtaining a Medical History
ii. Vital Signs
l. Principles of Patient Assessment
i. Patient Assessment
ii. Scene Size-up
iii. Primary Assessment
iv. Secondary Assessment
v. Reassessment
m. Caring for Cardiac Emergencies
i. Normal Heart Function

ii. Cardiac Compromise
iii. Emergency Care for Cardiac Compromise
n. Caring for Respiratory Emergencies
i. Overview of Respiratory Anatomy
ii. Respiratory Compromise
o. Caring for Common Medical Emergencies
i. Medical Emergencies

Lab Content

A. Demonstrate Principles of Lifting, Moving, and Positioning of Patients
i. Principles of Moving Patients
ii. Emergency Moves
iii. Standard Moves
iv. Equipment for Transporting Patients
v. Patient Positioning
vi. Restraining Patients
B. Demonstrate Principles of Effective Documentation
i. Patient Care Reports
ii. Methods of Documentation
C. Demonstrate Airway Management and Ventilation
i. Breathing
ii. Respiratory System Anatomy
iii. Signs of Normal Breathing
iv. Signs of Abnormal Breathing
v. Rescue Breathing
vi. Opening the Airway
vii. Barrier Devices
viii. Mouth-to-Mask Ventilation
ix. Mouth-to-Shield Ventilation
x. Special Patients
xi. Air in the Stomach and Vomiting
xii. Airway Obstruction
xiii. Aids to Airway Management
xiv. Bag-Mask Ventilation
D. Demonstrate Obtaining a Medical History and Vital Signs
i. Obtaining a Medical History
ii. Vital Signs
E. Demonstrate Principles of Patient Assessment
i. Patient Assessment
ii. Scene Size-up
iii. Primary Assessment
iv. Secondary Assessment
v. Reassessment

Course Objectives

	Objectives
Objective 1	Describe the roles of EMS providers 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	Asses 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

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	In-class instructor lead modeled practical skills followed by an instructor-lead analysis
Role Playing	Group projects in class where students are team members and team leaders who communicate a patient's condition and initiate interventions
Participation	Discussion groups lead by an instructor where students analyze and interpret case studies for students
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, demonstrating communication, assessment skills, and medical interventions, followed by an instructor- lead analysis

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, and disease processes through reading and case studies. Students will read approximately 2-4 chapters per week.	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. Students will take approximately 10 chapter quizzes and a final at the completion of the course.	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

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

1. Textbook and supplemental readings, approximately 2-4 chapters per week.
2. Analytical problem-solving based on information presented during each chapter.
3. Complete chapter review questions at the end of each chapter, approximately 2-4 per week.

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
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
CCC000604005

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)