

EMT-1310: CARDIOPULMONARY RESUSCITATION

Cuyahoga Community College

Viewing: EMT-1310 : Cardiopulmonary Resuscitation

Board of Trustees:

January 2023

Academic Term:

Fall 2023

Subject Code

EMT - Emergency Medical Technology

Course Number:

1310

Title:

Cardiopulmonary Resuscitation

Catalog Description:

Designed to teach the skills of CPR for victims of all ages, ventilation with barrier devices, use of an automated external defibrillator (AED), and relief of foreign-body airway obstruction. Intended for participants who provide health care in a variety of settings. The course also provides first aid basics for the most common first aid emergencies. Upon successful completion of the course, including a written and skills test, students receive an American Heart Association Basic Life Support course completion card.

Credit Hour(s):

1

Lecture Hour(s):

1

Lab Hour(s):

0

Other Hour(s):

0

Requisites

Prerequisite and Corequisite

None.

Outcomes

Course Outcome(s):

Recognize signs and symptoms of life threatening situation, evaluate emergency action plan procedures, and determine the appropriate action for adults, children, and infants.

Objective(s):

1. Perform a primary survey.
2. Perform Rescue Breathing (RB).
3. Perform Cardiopulmonary Resuscitation (CPR).
4. Perform Foreign Body Airway Obstruction (FBAO) removal.
5. Use an Automated External Defibrillator (AED).

Course Outcome(s):

Apply the general principles of treating medical emergencies and injury for adults, children, and infants.

Objective(s):

1. Recognize environmental emergencies.
2. Perform a secondary survey.

3. Recognize signs, symptoms and treatment of shock.
4. Demonstrate control of bleeding.
5. Demonstrate use of an epinephrine pen.

Methods of Evaluation:

- a. Final written examination using AHA or ARC standard tests.
- b. Short quizzes on medical emergencies and injury.
- c. Practical evaluation of skills.

Course Content Outline:

- a. Concepts
 - i. Signs and symptoms of heart attack, stroke, cardiac arrest, respiratory arrest, FBAO
 - ii. Causes of respiratory/cardiac arrest
 1. Adults
 2. Infants and children
 - iii. Basic principles of CPR
 1. Adults
 2. Infant and children
 - iv. Technical aspects CPR
 1. One-person rescuer adult, child, infant
 2. Two-person rescuer adult, child, infant
 - v. Recognition of medical emergencies and injuries.
 1. Signs and symptoms of shock
 2. Treatment of shock
 3. Bleeding control methods
 4. Epinephrine pen techniques
 5. Environmental emergencies
- b. Skills
 - i. Relief of adult and child ABAO conscious victim.
 - ii. Relief of infant FBAO in conscious victim.
 - iii. Removing FBAO in unconscious adult and child victim.
 - iv. Removing FBAO in unconscious infant.
 - v. Performing rescue breathing for adult, child, and infants
 - vi. Performing Adult and Pediatric one rescuer CPR
 - vii. Performing Adult and Pediatric two-rescuer CPR
 - viii. Using an Automated External Defibrillator
 - ix. Using of Barrier devices
 - x. Performing head tilt - chin lift
 - xi. Finding the problem
 - xii. Controlling bleeding
 - xiii. Treating shock
 - xiv. Removing gloves
 - xv. Using Epinephrine pen
- c. Issues
 - i. Life-threatening medical emergencies
 - ii. Chain of survival
 1. Adult
 2. Child and infant
 - iii. Scene safety

Resources

American Heart Association. *Basic Life Support for Healthcare Provider*. American Health Association, 2020.

American Heart Association. *Heartsaver CPR - First Aid Student Workbook*. American Heart Association, 2020.

American Heart Association. *Heartsaver CPR - First Aid Provider Manual*. American Heart Association, 2020.

Resources Other

- a. BLS Healthcare Provider Instructor's Package
- b. Heartsaver First Aid - DVD

Instructional Services

CTAN Number:

Career Technical Assurance Guide CTEMS004 (1 of 6 courses, all must be taken)

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