

EMR 086: PUBLIC SAFETY FIRST AID

Originator

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Justification / Rationale

Textbook Update

Effective Term

Fall 2024

Credit Status

Credit - Degree Applicable

Subject

EMR - Emergency Medical Responder

Course Number

086

Full Course Title

Public Safety First Aid

Short Title

PSFA

Discipline**Disciplines List**

Emergency Medical Technologies

Modality

Face-to-Face

Hybrid

Catalog Description

This course provides Basic Life Support (BLS) skills in patient assessment, bleeding control, muscular-skeletal injuries, respiratory emergencies, cardiopulmonary resuscitation (CPR and automated external defibrillator (AED)). The course complies with the California Health and Safety Code, Title 22, Division 9, Chapters 1.5. and American Heart Association. A Public Safety First Aid (PSFA) Certificate and CPR/AED cards will be issued upon completion. This course meets the prerequisite for the Cal Fire Basic Wildland Academy.

PSFA is the recognition of and immediate care for injury or sudden illness, including medical emergencies, by public safety personnel prior to the availability of medical care by licensed or certified health care professionals. PSFA is used by lifeguards, firefighter, and peace officers. A \$12.50 fee is required for the BLS certificate.

Schedule Description

Public Safety First Aid (PSFA) teaches the recognition of and immediate care for injury or sudden illness, including medical emergencies by public safety personnel prior to the availability of medical care by licensed or certified health care professionals. PSFA is used by lifeguards, firefighter and peace officers. This course meets the prerequisite for the Cal Fire Basic Wildland Academy. A \$12.50 fee is required for the Basic Life Support (BLS) certificate.

Lecture Units

.5

Lecture Semester Hours

9

Lab Units

.5

Lab Semester Hours

27

In-class Hours

36

Out-of-class Hours

18

Total Course Units

1

Total Semester Hours

54

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

Book

Open Educational Resource

No

Formatting Style

APA

Author

American College of Emergency Physicians

Title

First Aid, CPR and AED Advanced

Edition

8th

City

Burlington

Publisher

Jones Bartlett

Year

2022

College Level

Yes

ISBN #

9781284234367

Class Size Maximum

30

Course Content

The content of the training course shall include recognition and basic first aid level treatment of at least the following topics and shall be competency-based:

Role of the public safety first aid provider

Personal safety

Scene size-up

Body substance isolation, including removing contaminated gloves

Legal considerations

Emergency Medical Services (EMS) access

Integration with EMS personnel to include active shooter incidents

Minimum equipment and first aid kits
Heart attack and sudden cardiac arrest
Respiratory and circulatory systems
Sudden cardiac arrest and early defibrillation
Chain of survival
Recognition and identification of adult and pediatric patients for both medical and traumatic emergencies
Performing a primary assessment
Performing a secondary assessment
Obtaining a patient history
Medical emergencies
Pain, severe pressure, or discomfort in the chest
Breathing difficulties, including asthma and chronic obstructive pulmonary disease
Allergic reactions and anaphylaxis
Altered mental status
Stroke
Diabetic emergencies
Administration of oral glucose
Seizures
Alcohol and drug emergencies
Assisted Naloxone administration and accessing emergency medical services
Severe abdominal pain
Obstetrical emergencies
Burns
Thermal burns
Chemical burns
Electrical burns
Facial injuries
Objects in the eye
Chemical in the eye
Nosebleed
Dental emergencies
Environmental emergencies
Heat emergencies
Cold emergencies
Drowning
Bites and stings;
Insect bites and stings;
Animal and human bites
Poisoning
Ingested poisoning
Inhaled poisoning
Exposure to chemical, biological, radiological, or nuclear (CBRN) substances;
Recognition of exposure
Scene safety
Poison control system
Identify signs and symptoms of psychological emergencies
Patient movement
Emergency movement of patients
Lifts and carries which may include: using soft litters and manual extractions including fore/aft, side-by-side, shoulder/belt
Tactical and rescue first aid principles applied to violent circumstances
Principles of tactical casualty care

Determining treatment priorities
Orientation to the EMS system, including
9-1-1 access
Interaction with EMS personnel
Identification of local EMS and trauma systems
Trauma emergencies
Soft tissue injuries and wounds
Amputations and impaled objects
Chest and abdominal injuries
Review of basic treatment for chest wall injuries
Application of chest seals
Head, neck, or back injury
Recognition of signs and symptoms of shock
Basic treatment of shock
Importance of maintaining normal body temperature
Internal bleeding
Control of bleeding, including direct pressure, tourniquet, hemostatic dressing, chest seals
Training in the use of hemostatic dressings in the application of hemostatic dressings
Review of basic methods of bleeding control to include but not be limited to direct pressure, pressure bandages, tourniquets, and hemostatic dressings and wound packing
Types of hemostatic dressings
CPR and AED for adults, children, and infants, following current AHA Guidelines for CPR at the Healthcare provider level
Basic airway management
Rescue breathing
Mouth-to-mouth
Spinal immobilization
Musculoskeletal trauma and splinting
Mouth-to-mask
Bag-valve-mask (BVM)
Chest compressions and CPR/AED
Basic AED operation
Troubleshooting and other considerations
Single rescuer CPR/AED on adult, child, and infant
Two rescuer CPR/AED on adult, child, and infant
Recovery position
Management of foreign body airway obstruction on adults, children, and infants
Conscious patients
Unconscious patients

Lab Content

A public safety first aid provider, after completion of training and demonstration of competency to the satisfaction of the approved training provider for each skill listed in this section, is authorized to perform medical care while at the scene of an emergency including, but not limited to, CPR and AED and may do any of the following:

- (1) Evaluate the ill and injured
- (2) Provide treatment for shock
- (3) Use the following techniques to support airway and breathing
 - (A) Manual airway opening methods, including head-tilt chin-lift and/ or jaw thrust
 - (B) Manual methods to remove an airway obstruction in adults, children, and infants
 - (C) Use the recovery position
- (4) Perform the following during emergency care
 - (A) Spinal immobilization
 - (B) Splinting of extremities

- (C) Emergency eye irrigation using water or normal saline
- (D) Assist with the administration of oral glucose
- (E) Assist patients with administration of physician-prescribed epinephrine devices and Naloxone
- (F) Assist in emergency childbirth
- (G) Hemorrhage control using direct pressure, pressure bandages, principles of pressure points, and tourniquets. Hemostatic dressings may be used from the list approved by the EMS Authority
- (H) Chest seals and dressings
- (I) Simple decontamination techniques and use of decontamination equipment
- (J) Care for amputated body parts
- (K) Provide basic wound care

Course Objectives

Objectives	
Objective 1	The student will be able to recognize and immediate care for injury or sudden illness, including medical emergencies.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Meet or exceed the requirements necessary to successfully to complete the Public Safety First Aid course as specified under the California Health and Safety Code, Title 22, Division 9, Chapters 1.5
Outcome 2	Demonstrate proficiency in skills necessary for assessment and management of various emergency situations as specified under the California Health and Safety Code, Title 22, Division 9, Chapters 1.5 Title 22 California Code.

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-guided interpretations.
Discussion	Instructor- lead discussion groups where students analyze and interpret case studies.
Role Playing	Group projects in class where students are assigned roles as the team leaders and team members to demonstrate proficiency.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Oral and practical examination	Evaluation of knowledge of skills through practical examination.	In Class Only
Tests/Quizzes/Examinations	Evaluation of content, terminology, and knowledge of subject matter. Approximately 5 quizzes will be taken out of class with a final exams and skills practicum taken in class.	In and Out of Class

Assignments

Other In-class Assignments

- Participate in practical skills practice and exam.
- Participate in class discussions.
- Written final exam.

Other Out-of-class Assignments

- Complete review questions and critical thinking exercises.
- Read approximately 20-24 assigned chapters from the textbook.

Grade Methods

Letter Grade Only

Distance Education Checklist

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

Online %

70

On-campus %

30

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

Students will learn skills such as CPR/AED, obstructed airway, treatment for burns, shock and other injuries.

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:

Online quizzes and examinations

Regular virtual office hours

Timely feedback and return of student work as specified in the syllabus

External to Course Management System:

Direct e-mail

Posted audio/video (including YouTube, 3cm mediasolutions, etc.)

Telephone contact/voicemail

For hybrid courses:

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.

Timely return of assignments with instructor comments; discussion questions with substantive instructor participation; timed quizzes with feedback.

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

Stand-alone

Transfer Status

Not transferable

Allow Audit

Yes

Repeatability

No

Materials Fee

Yes

Total Material Fees

\$12.50

Itemized Material Fee List

Cost Per Item	Total Cost	Fee Description
\$12.50	\$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

Basic Life Support (BLS) certificate is required course training by California Health and Safety Code, Title 22, Division 9, Chapter 1.5.

Tangible personal property?

Yes, students will be required to have and maintain current BLS certification for employment.

Owned or controlled by the student?

Yes

Solely available from the district?

No.

Continuing value outside the classroom setting?

Yes, students will be required to have and maintain current BLS certification for employment.

Additional Fees?

No

Files Uploaded

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

EMS Advisory Minutes April 2019 (1) (1).docx

Approvals

Curriculum Committee Approval Date

03/07/2023

Academic Senate Approval Date

03/09/2023

Board of Trustees Approval Date

04/21/2023

Chancellor's Office Approval Date

1/21/2020

Course Control Number

CCC000612101