

# EMR 086: PUBLIC SAFETY FIRST AID

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## New Course Proposal

### Changes saved but not submitted

#### Originator

chwilson

#### Justification / Rationale

"Public safety first aid" means 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.

Note: Authority cited: Section 1797.107, Health and Safety Code.

This course provides the required first aid training for entry level law enforcement, firefighter and child development positions.

#### Effective Term

Spring 2021

#### 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 California Health and Safety Code, Division 2.5, CCR Title 22, Division 9 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

**Formatting Style**

APA

**Author**

American College of Emergency Physicians

**Title**

First Aid, CPR and AED Advanced

**Edition**

7th

**City**

Burlington

**Publisher**

Jones Bartlett

**Year**

2017

**College Level**

Yes

**ISBN #**

978128416277-6

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**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  
Heart attack  
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 Title 22 California Code.
Outcome 2	Demonstrate proficiency in skills necessary for assessment and management of various emergency situations as specified under 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:**

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

Regular virtual office hours

Online quizzes and examinations

**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**

No

**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, Division 2.5, CCR Title 22, Division 9

**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**

12/03/2019

**Academic Senate Approval Date**

12/12/2019

**Board of Trustees Approval Date**

1/17/2020

**Chancellor's Office Approval Date**

1/21/2020

**Course Control Number**

CCC000612101