

YOSEMITE REGIONAL OCCUPATIONAL PROGRAM

FIRST RESPONDER

CBEDS Code: 5809

<u>JOB TITLES</u>	<u>O*NET #</u>
Ambulance Drivers and Attendants	66023
Emergency Medical Technicians	32508
Medical Assistant	66005
Licensed Vocational Nurse	32505
Registered Nurse	32502
First Line Supervisor/Managers of Fire Fighting and Prevention Workers	33-1021
Fire Fighters	33-2011

Course Description:

Short of certification, this course is designed to instruct a student to the level of First Responder, who serves as a vital link in the chain of the health care system. This curriculum includes skills necessary for the individual to provide emergency medical care with a limited amount of equipment.

First Responders provide a service in an environment requiring special skills and knowledge. They also serve as liaisons with other emergency services. This course provides an introduction to these concepts, and is based on the seven major modules outlined in the *First Responder: National Standard Curriculum* developed by the United States Department of Transportation.

PREREQUISITES: None

DURATION: 2 Semesters/180 total hours

CREDIT: 10 units

MEETS GRADUATION REQUIREMENTS IN: Practical Arts

REQUIRED FOR GRADUATION: No

MEETS UNIVERSITY OF CALIFORNIA ENTRANCE REQUIREMENTS: No

CALIFORNIA STATE UNIVERSITY REQUIREMENTS: No

INSTRUCTIONAL MATERIALS:

Basic Text:

First Responders: A Skills Approach. 7th Edition. Daniel Limmer,
Keith J. Karren, and Brent Q. Hafen; Prentice Hall, 2007

ISBN #9780131720480

Department: Public Safety Academy

Resource materials:

Instructional Content
Instruction will include:

Student Outcomes
At the end of instruction, the student will be able to:

Hours
CL=Classroom
CC=Comm. Class.

1.0 Preparatory	<ol style="list-style-type: none"> Familiarizes students with the introductory aspects of emergency medical care. Topics include the Emergency Medical Services system, roles and responsibilities of the First Responder, quality improvement, and medical oversight. Covers the emotional aspects of emergency medical care, stress management, introduction to Critical Incident Stress Debriefing (CISD), scene safety, body substance isolation(BSI), personal protection equipment (PPE), and safety precautions that can be taken prior to performing the role of a First Responder. Explores the scope of practice, ethical responsibilities, advance directives, consent, refusals, abandonment, negligence, duty to act, confidentiality, medical identification symbols, and crime scenes. Enhances the student's knowledge of the human body by providing an overview of each major body system, anatomy, and physiology. Provides students with knowledge of body mechanics, lifting and carrying techniques, and principles of moving patients. 	Anchor/CR 1.0 2.1-2.6 3.1-3.6 3.9 4.1-4.6 5.1-5.4 6.1-6.7 7.2-7.4 7.6-7.8 8.1-8.7 9.1-9.7 10.2 10.4 11.1 11.2 11.5 CR 1,2,3,5,7,8,9,11 and 12	CTE A4.1-4.7 A5.1 B1.1-1.5 B2.1-2.5 B2.7 B3.1-3.10 B4.1-4.4 B5.1-5.3 B5.5 B6.1-6.5 B7.1 B7.2 B7.5 B8.6 B8.7 B9.1 B9.2	CL 6	CC N/A
2.0 Airway	<ol style="list-style-type: none"> Will address airway anatomy and physiology, how to maintain an open airway, pulmonary resuscitation, variations for infants and children, as well as patients with laryngectomies. Reviews the use of airways, suction equipment, and barrier devices, as well as the management of foreign body airway obstructions. Includes practical lab activities to provide supervised practice for students to develop the psychomotor skills of airway care. The use of airways, suction equipment, and barrier devices will be included in these labs. Students will have an opportunity to practice the techniques of removing a foreign body airway obstruction. 	1.0 5.1-5.4 6.5 6.6 8.1-8.4 8.7 10.1-10.4 11.1-11.2 CR 1,2,5,7,8,10 and 12	B2.3 B3.2 B3.4-3.7 B3.9 B4.1-4.6 B9.1-9.4 B9.6 B9.8 B9.10	4 Weeks	N/A

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3.0 Patient Assessment	<ol style="list-style-type: none"> Enhances the student's ability to evaluate a scene for potential hazards, to determine the number of patients, whether additional help is necessary, and to evaluate the mechanism of injury or nature of illness. Provides the knowledge and skills necessary to Properly perform the initial assessment. Provides instruction on forming a general impression, determining responsiveness, and assessing the airway, breathing, and circulation. Discusses how to determine priorities of patient care and teaches the knowledge and skills required to continue the assessment and management of the ill or injured patient. Includes practical lab activities, which integrate the knowledge and skills of assessment necessary to continue with the management of patients with medical complaints and traumatic injuries. 	Anchor 1.0 2.1-2.6 5.1-5.4 6.4-6.6 7.2-7.4 7.7 8.1-8.4 8.7 10.1-10.4 11.1-11.2 CR 1,2,4,5,7,8,9,10 and 12	CTE B2.3 B3.2 B3.4-B3.7 B3.9 B4.1-B4.6 B9.1-B9.4 B9.6 B9.8 B9.10	CL 5 Weeks	CC N/A
4.0 Circulation	<ol style="list-style-type: none"> Provides the student with the knowledge and skills of chest compressions and ventilations for adults, children, and infants. Includes practical lab activities to provide students with opportunities to practice CPR skills and draw upon the knowledge and skills learned thus far. 	1.0 7.2-7.4 8.1-8.4 8.7 10.1-10.4 11.1 11.2 CR 2,5,7,8, and 12	B2.3 B3.3 B3.6 B3.7 B3.9 B4.1-4.4 B4.6 B9.3 B9.4 B9.6 B9.8	4 Weeks	N/A
5.0 Illness and Injury	<ol style="list-style-type: none"> Discusses the recognition and management of general medical complaints, seizures, altered mental status, environmental emergencies, behavioral emergencies, psychological crisis, and typical patient situations. Reviews the cardiovascular system, describes the care of the patient with internal and external bleeding, and teaches the management of soft tissue injuries and bumps. Addresses the techniques of dressing and bandaging wounds. Reviews the anatomy of, and injuries to, the musculoskeletal system. Presents information about injuries of the skeletal system. Reviews the anatomy of the nervous system and the skeletal system. Discusses injuries to the spine an head, including the 	1.0 2.1-2.4 5.1-5.4 6.1 6.4-6.7 7.2-7.4 7.7 8.1-8.5 8.7 9.1-9.3 10.1-10.4 11.1-11.2 CR 1,2,4,5,7,8,9, 10 and 12	B2.2-2.4 B3.2 B3.403.7 3.9 B4.1-4.6 B6.1 B9.1-9.4 B9.6 B9.8 B9.10	6 Weeks	N/A

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5.0 Illness and Injury (Continued)	mechanism of injury, signs and symptoms of injury, and assessment. 6. Includes practical lab activities to provide practice in assessing and managing patients with traumatic injuries.	Anchor/CR	CTE	CL 5 Weeks	CC
6.0 Children and Childbirth	1. Reviews the anatomical and physiological changes that occur during pregnancy and demonstrates deliveries and newborn care. 2. Presents information concerning anatomical differences in infants and children and discusses common medical and trauma situations. 3. Includes practical lab activities that provide students with the opportunity to interact with infants and children and to practice the knowledge and skills learned concerning this special population.	1.0 2.1-2.4 5.1-5.4 6.1 6.4-6.7 7.2-7.4 7.7 8.1-8.5 8.7 9.1-9.3 10.1-10.4 11.1-11.2 CR 1,2,4,5,7,10,11, and 12	B2.3 B3.2 B3.4-3.7 B3.9 B4.1-B4.6 B9.1-B9.4 B9.6 B9.8 B9.10	4 Weeks	N/A
7.0 EMS Operations	1. Presents an overview of the knowledge needed to function as a First Responder in the out-of-hospital environment. 2. Provides the students with an overview of extrication and rescue operations and information on hazardous materials, mass casualty situations, and basic triage. <div style="text-align: right;">Total number of weeks</div>	1.0 2.1-2.4 3.1-3.4 4.3 4.5 5.1-5.4 6.1-6.7 7.2 7.3 8.1-8.5 9.1-9.5 10.1-10.4 11.1 11.2 CR 1,2,4,5,7,9,10, 11 and 12	B1.1-1.5 B2.2-2.7 B3.1-B3.10 B4.3 B4.5 B6.1-6.5 B7.1-7.3 B7.5	4 Weeks 33	N/A