

Course Outline

COURSE: JFT 207 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Summer 2017 **Inactive Course**

SHORT TITLE: FIRST RESPONDER

LONG TITLE: First Responder

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1 TO 2	18	Lecture:	1.14 TO 2.28	20.52 TO 41.04
		Lab:	1.14 TO 2.28	20.52 TO 41.04
		Other:	0	0
		Total:	2.28 TO 4.56	41.04 TO 82.08

COURSE DESCRIPTION:

This course presents an exciting opportunity to develop emergency medical skills and knowledge that will enable the student to assist people who have sustained an accidental injury or have a medical problem. This course fully addresses the objectives in the U.S. Department of Transportation (DOT) First Responder National Standard Curriculum and will provide the knowledge and skills needed to work as a first responder. This is a pass/no pass course.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES

P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

- 02 - Lecture and/or discussion
- 03 - Lecture/Laboratory
- 04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

1. Define the components of Emergency Medical Services (EMS) systems and, discuss the equipment needed to respond to a call.

Measure: Oral exercises, quiz

ILO: 3,2,1

2. Describe the steps the First Responder should take for personal protection from airborne and blood-borne pathogens.

Measure: Performance exam, quiz

ILO: 3, 2, 6

3. List the actions that a First Responder should take to assist in the preservation of a crime scene.

Measure: quiz, role play exercises

ILO: 3, 2, 1,

4. Name and label the major structures of the respiratory system on a diagram.

Measure: oral test, skills demonstration

ILO: 2,3,1

5. Perform cardiopulmonary resuscitation (CPR) and rescue breathing during skills exam

Measure: exam

ILO: 3, 2, 1

6. Differentiate between obtaining a pulse in an adult, child, and infant patient.

Measure: demonstration, exam

ILO: 3,2,1

7. List and describe the steps of the patient initial assessment.

Measure: skills demonstration, exam

ILO: 3,2,1

8. Differentiate between arterial, venous, and capillary bleeding.

Measure: discussion, skills demonstration,

ILO: 3,2,1

9. Describe the role of the First Responder in multiple-casualty situations during class exercises.

Measure: Class discussion, role play

ILO: 3, 2,1

10. Name and label the major structures of the respiratory system on a diagram

Measure: Written exercise

ILO: 3, 2

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Inactive Course: 02/27/2017

4-16 Hours

I. Preparing to Be a First Responder

Define the components of Emergency Medical Services (EMS) services.

A. Introduction to the EMS System

1. Reporting
2. Dispatch
3. First Response
4. Hospital Care
- B. The Well-Being of the First Responder
 1. Attitude and Conduct
 2. Emotional aspects of Emergency Medical Care
 3. Stress Management
- C. Medical, Legal, and Ethical Issues
 1. Standard of Care
 2. Ethical Responsibilities and Competence
 3. Legal Concepts
- D. The Human Body
 1. Anatomy
 2. Body Systems
 3. Skeletal System
 4. Nervous System
- E. Lifting and Moving Patients
 1. General Principles
 2. Body Mechanics
 3. Emergency Movement of Patients
 4. Equipment

4-16 Hours

II. Airway

The student will name and label the major structures of the respiratory system on a diagram.

- A. Airway Management
 1. Anatomy and Function of the Respiratory System
 2. Rescue Breathing

4-8 Hours

III. Patient Assessment

The student will explain the reason for prioritizing a patient for care or transport during class exercises.

- A. Patient Assessment
 1. Scene Size-Up
 2. Physical Examination
 3. Medical History
 4. Ongoing Assessment
- B. Communications and Documentation
 1. Voice Systems
 2. Data Systems

10-24 Hours

IV. Circulation

The student will list the steps of one-rescuer adult Cardiopulmonary resuscitation (CPR).

- A. Anatomy and Function of the Circulatory System

1. Cardiac Arrest
- B. Professional Rescuer CPR
 1. Components of CPR
 2. The Cardiac Chain of Survival
 3. Technique of External Cardiac Compression
4. Automated External Defibrillator (AED)
 5. One-Rescuer CPR
 6. Two-Rescuer CPR
7. CPR Infant
8. CPR Child
9. CPR Adult

6-8 Hours

V. Illness and Injury

The student will explain the major signs, symptoms, and initial treatment of a patient with a heart attack.

- A. Medical Emergencies
 1. Altered Mental Status
 2. Seizures
 3. Specific Medical Conditions
- B. Poisoning and Substance Abuse
 1. Ingested Poisons
 2. Inhaled Poisons
 3. Injected Poisons
 4. Absorbed Poisons
 5. Alcohol
 6. Drugs
- C. Behavioral Emergencies
 1. Behavioral Crises
 2. Situational Crisis
 3. Crisis Management
- D. Bleeding, Shock, and Soft Tissue Injuries
 1. Body Substance Isolation and Soft-Tissue Injuries
 2. Shock
 3. Bleeding
 4. Wounds
 5. Burns
- E. Injuries to Muscles and Bones
 1. Mechanism of Injury
 2. Types of Injuries
 3. Body Substance Isolation and Musculoskeletal Injuries
 4. Treatment of Musculoskeletal Injuries

4-8 Hours

VI. Childbirth, Pediatrics, and Geriatrics

The student will define the terms crowning, bloody show, labor and, abortion during written exam.

- A. Childbirth
 1. Assessing the Birth Situation
 2. Body Substance Isolation

3. Assisting with Delivery
4. Complications of Childbirth

B. Pediatric Emergencies

1. Pediatric Anatomy and Function
2. Examining a Child
3. Sudden Illness and Medical Emergencies

C. Geriatric Emergencies

1. Sensory Changes
2. Musculoskeletal and Mobility Issues
3. Medical Considerations
4. Mental Considerations
5. Elder Abuse

4-8 Hours

VII. EMS Operations

The student will describe the role of the First Responder in multiple-casualty situations during class exercises.

A. EMS Operations

1. Helicopter Operations
2. Extrication
3. Hazardous Materials Incidents
4. Multiple-Casualty Incidents

B. Terrorism Awareness

1. Weapons of Mass Destruction
2. Potential Targets and Risks
3. Agents and Devices

4-8 Hours

VIII. Enrichment

Students will describe the initial treatment of a patient in the water during class exercises.

A. Special Rescue

1. Water and Ice Rescue
2. Confined Space Rescue
3. Farm Rescue
4. Bus Rescue

B. Supplemental Skills

1. Blood Pressure
2. Oxygen Administration
3. Bag-Mask Device
4. Pulse Oximetry
5. Assisting Other EMS Providers

METHODS OF INSTRUCTION:

Lecture, discussion and demonstration will serve as the medium of instruction. Regular reading assignments will be made for out-of-class study.

METHODS OF EVALUATION:

CATEGORY 1 - The types of writing assignments required:

Percent range of total grade: 10 % to 15 %

Written Homework

Reading Reports

CATEGORY 2 - The problem-solving assignments required:

Percent range of total grade: 20 % to 25 %

Homework Problems

Field Work

Quizzes

CATEGORY 3 - The types of skill demonstrations required:

Percent range of total grade: 40 % to 60 %

Class Performance/s

Performance Exams

CATEGORY 4 - The types of objective examinations used in the course:

Percent range of total grade: 15 % to 40 %

Multiple Choice

True/False

Other: Skills Exam

CATEGORY 5 - Any other methods of evaluation:

Percent range of total grade: 0 % to %

REPRESENTATIVE TEXTBOOKS:

Required:

AAOS, "First Responder", Jones and Bartlett, 2007

Reading level of text: 12 grade, Verified by: An-Yeung

Other textbooks or materials to be purchased by the student:

Workbook, or other appropriate college level text.

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 2 Stand-alone

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: C

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000515516

Sports/Physical Education Course: N

Taxonomy of Program: 213300