

Course Outline

COURSE: JFT 305 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2017 **CURRICULUM APPROVAL DATE:** 10/24/2016

SHORT TITLE: Outdoor Emergency Care

LONG TITLE: Outdoor Emergency Care

| <u>Units</u> | <u>Number of Weeks</u> | <u>Type</u> | <u>Contact Hours/Week</u> | <u>Total Contact Hours</u> |
|--------------|------------------------|-------------|---------------------------|----------------------------|
| 3 | 18 | Lecture: | 2.24 | 40.32 |
| | | Lab: | 4.71 | 84.78 |
| | | Other: | 0 | 0 |
| | | Total: | 6.95 | 125.1 |

COURSE DESCRIPTION:

This 125 hour course is designed to prepare students to render prehospital basic life support services, including cardiopulmonary resuscitation, with emphasis on field application practices and techniques vital to the interaction of Outdoor Emergency Care Technician with all levels of emergency medical personnel. Students will acquire the knowledge and skills necessary to provide emergency medical care at a basic life support level with a fire, ambulance, or other specialized service. This course is instructed in compliance with Department of Transportation (DOT) regulations and the California Code of Regulations. This course is pass/no pass.

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. Apply emergency treatment principles and techniques.

Measure of assessment: Skills Exam, Scenario Training

Year assessed, or planned year of assessment: Fall 2017

Institution Outcome Map: 3. Information Competency, 7. Content Specific

2. Demonstrate appropriate critical thinking skills and the assessment of illness and/or injury of a person involved in an emergency situation.

Measure of assessment: Skills Exam, Scenario Training

Year assessed, or planned year of assessment: Fall 2017

Institution Outcome Map: 2. Cognition, 3. Information Competency, 7. Content Specific:

3. Demonstrate the ability to render First Responder quality patient care to OSHA and California Code of Regulation Standards.

Measure of assessment: Skills Exam

Year assessed, or planned year of assessment: Fall 2017

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

Curriculum Approval Date: 10/24/2016

Lecture:

I. Introduction

A. OEC Technician

B. Components

C. Issues

D. Patrol Operations

I. Well Being of the Rescuer

A. Emotional Reactions

B. Stress

C. Body Substance Isolation

D. Altitude Problems

E. Hot & Cold Weather

F. Safe Water in the Outdoors

II. Interfacing with EMS

A. Definition

B. Roles and Responsibilities

C. Medical Direction

D. Comparisons

XVI. Mechanisms and Patterns of Injury

A. What does it mean

B. Terminology

C. Significant Mechanisms

D. Prevention

XVII. Soft Tissue Injuries

A. Skin

B. Closed Injuries

C. Open Injuries

D. Amputations

E. Burns

XVIII. Eye Injuries

A. The Eye

B. Injuries

- C. Puncture Wounds
- D. Burns
- XIX. Face and Throat Injuries
 - A. Anatomy
 - B. Face
 - C. Neck
 - D. Nose
 - E. Ear
 - F. Mouth

Lab:

II. Human Anatomy and Physiology

- A. Identification and Location
- B. Describe the Function

IV. Baseline Vital Signs and SAMPLE History

- A. Vital Signs
- B. SAMPLE
- C. Signs and Symptoms
- D. Reporting

V. Airway

- A. Structures
- B. Breathing
- C. Opening in the Airway
- D. Mechanical Airway
- E. Sellick Maneuver
- F. Oxygen
- G. Pocket Masks

VI. Patient Assessment

- A. Scene Size Up
- B. Initial Assessment

VII. Bleeding

- A. Types of Bleeding
- B. Methods of Emergency Care

VIII. Shock

- A. Emergency Care

IX. Respiratory Emergencies

- A. OEC Treatment Regimes
- B. High Altitude

X. Cardiovascular Emergencies

- A. Cardiovascular System
- B. CPR

XI. Neurologic Emergencies

- A. Stroke

XII. Common Medical Emergencies

- A. Allergic Reactions
- B. Diabetic
- C. Acute Abdomen
- D. Poisoning
- E. Overdose

- F. Patient Response
- XII. Snowsports and Mountain Biking Emergencies
 - A. Environmental Conditions
 - B. Basic Types of Snowsports
 - C. Bicycling
- XIII. Environmental Emergencies
 - A. Avalanche
 - B. Cold
 - C. Heat
 - D. Water
 - E. Electrical
 - F. Altitude
- XIV. Behavioral Emergencies
 - A. Definition
 - B. Factors Causing Alteration in Patient Behavior
 - C. Assessing
- XV. Obstetrics and Gynecological Emergencies
 - A. Structures and Identification
 - B. Obstetrics Kit
 - C. Outdoor Sports and Pregnancy
 - D. Childbirth
- XX. Chest Injuries
 - A. Differentiate
 - B. Complications
 - C. Flail Chest
- XXI. Abdomen and Genitalia Injuries
 - A. Abdomen
 - B. Genital and System
- XXII. Principles of Musculoskeletal Injuries
 - A. Anatomy and Physiology
 - B. Muscular System
 - C. Skeletal System
 - D. Injuries
- XXIII. Head and Spine Injuries
 - A. Mechanism of Injury
 - B. Helmet
 - C. Method of Determining if a Responsive Patient May Have a Spinal Injury
 - D. Cervical Spine Immobilization Device
 - E. Spine Board
 - F. Implications of Improper Patient Care
- XXIV. Rescue Techniques: Lifts and Loads
 - A. Body Mechanics
 - B. Safety Precautions
 - C. Techniques and Guidelines
 - D. Emergency Move
 - E. Devices
- XXV. Triage
 - A. Purpose

- B. Benefits
- C. Components
- XXVI. Mass Casualty Incident Management
 - A. Criteria
 - B. Role of the OEC tech
 - C. ICS
 - D. SEMS
 - E. Disaster Operation/ Mass Casualty Incident
 - F. Local Mass Casualty Plan
- XXVII. Pediatric Outdoor Emergency Care
 - A. Adult, Child, Infant
- XXVIII. Outdoor Adaptive Athletes
 - A. Identification
 - B. Unique Conditions
 - C. Special/ Unique Medical Treatment
 - D. ADA
 - E. Adaptive Athlete
- XXIX. Wrap Up

METHODS OF INSTRUCTION:

Lecture, Lab, Skills Demonstration, Discussion

METHODS OF EVALUATION:

Skill demonstrations

Percent of total grade: 60.00 %

Emergencies will be simulated and students will assess the situation and apply the appropriate skills to render quality emergency care.

Objective examinations

Percent of total grade: 20.00 %

Written Exam/ Quizzes

Writing assignments

Percent of total grade: 20.00 %

Step by step analysis of emergency situations

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours: 8

Assignment Description: Text reading, handouts, articles, and case studies

Required Outside Hours: 8

REPRESENTATIVE TEXTBOOKS:

Required Representative Textbooks

Edward McNamara, David Johe & Deborah Endly. Outdoor Emergency Care 5th Edition. Brady Books,2012.

ISBN: 10-0-13-507480-0

Reading Level of Text, Grade: 12 Verified by: Doug Achterman

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: 3
Minimum Hours: 3
Course Control Number:
Sports/Physical Education Course: N
Taxonomy of Program: 213350