

**Course Outline**

**COURSE:** JFT 30                      **DIVISION:** 50                      **ALSO LISTED AS:**

**TERM EFFECTIVE:** Spring 2018                      **CURRICULUM APPROVAL DATE:** 05/08/2017

**SHORT TITLE:** PARAMEDIC CORE

**LONG TITLE:** Paramedic Core

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
11 TO 14	18	Lecture:	5 TO 7	90 TO 126
		Lab:	17.3 TO 20.8	311.4 TO 374.4
		Other:	0	0
		Total:	22.3 TO 27.8	401.4 TO 500.4

**COURSE DESCRIPTION:**

This course is designed to guide students to successful completion of the National Registry EMT-Paramedic exam and meets the training requirements mandated by the State of California, California Code of Regulations Title 22. The didactic instruction represents the delivery of primarily cognitive material. This is the first part of a three-part program. Students must successfully complete the didactic portion of training prior to progressing to Clinical training (part two). **PREREQUISITE:** JFT 17 EMT

**PREREQUISITES:**

Completion of JFT 17, as UG, with a grade of C or better.

**COREQUISITES:**

**CREDIT STATUS:** D - Credit - Degree Applicable

**GRADING MODES**

L - Standard Letter Grade

**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. Students will learn to identify common respiratory emergencies and the appropriate treatments.

Measure of assessment: Written Exam Skills demonstration

Year assessed, or planned year of assessment: 2016

2. Demonstrate the different techniques of medication administration.

Measure of assessment: Skills exam Demonstration

Year assessed, or planned year of assessment: 2016

3. Establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.

Measure of assessment: skills demonstration

Year assessed, or planned year of assessment: 2016

4. Identify pathophysiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the patient with a suspected spinal injury

Measure of assessment: skills demonstration, written exam

Year assessed, or planned year of assessment: 2016

5. Demonstrate proper techniques for transferring patient care.

Measure of assessment: Skills demonstration Exam

Year assessed, or planned year of assessment: 2016

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

Curriculum Approval Date: 05/08/2017

### **LECTURE CONTENT:**

#### **A. EMS System and Paramedic Roles and Responsibilities**

1. EMS systems
2. Professionalism
3. Attributes and responsibilities of a paramedic
4. Medical direction
5. Improving system accountability

#### **B. Body systems: anatomy and physiology**

1. Review of anatomy and physiology
2. Organizational structure
3. Cell structure
4. Tissues
5. Organ systems
6. Systems

#### **C. EMS Systems Improvement and education**

1. The cost of injuries
2. Reason for EMS involvement
3. A successful drowning prevention program

#### **D. Legal and regulatory issues**

1. The legal system
2. Legal accountability for the paramedic

#### **E. Ethics and professional behavior**

1. Code of ethics
2. Patient rights
3. Professional accountability

#### **F. Medical terminology review**

#### **G. Review Anatomical Systems Functions**

#### **H. Review Pathophysiology**

#### **I. Life Span development**

1. Infants

- 2. Toddlers and preschoolers
- 3. School age children and young adults
- J. Basic principles of pharmacology
  - 1. Drug names
  - 2. Drug classifications
  - 3. Routes of medication
  - 4. Medication administration
- K. Toxicology
- L. Infectious and commutable diseases
- M. Psychiatric disorders and substance abuse
  - 1. The suicidal patient
- N. Hematologic disorders
- O. Geriatrics
- P. Environmental issues

**LAB CONTENT:**

- A. Proper hygiene techniques
- B. Establishing intravenous routs
  - 1. IV techniques
  - 2. IO techniques
  - 3. Setting up, starting IV's
- C. Basic and advanced airway management techniques
  - 1. NPS's, OPA's
  - 2. Suctioning
  - 3. Endotracheal intubation
  - 4. Tracheotomy care
  - 5. Multi lumen devices
  - 6. O2 therapy
- D. Cardiac monitor devices
- E. Medication administration
- F. Simulated scenarios
- G. Transferring patient care
  - 1. Documentation
  - 2. Verbal
- H. Shock and resuscitation
- I. Obstetrics and gynecology
- J. Pediatrics and neonatology
  - 1. Assessment
- K. Trauma
  - 1. Treatment procedures
- L. Special Operations
  - 1. Crime Scene
  - 2. Emergency vehicle operations
  - 3. Hazardous material incidents
  - 4. Disaster response

**OUT OF CLASS ASSIGNMENTS:**

Required Outside Hours:

Assignment Description:

Read 1.6 chapters per week

Review skills in the program lab manual

Required Outside Hours:

Assignment Description: Workbook / writing assignments are given each week and include: matching, multiple choice, fill in the blank, identifying, ambulance calls, problem solving, labeling diagram.

Required Outside Hours:

Assignment Description:

Write prehospital patient care report form.

Medical research

### **METHODS OF INSTRUCTION:**

Lecture Text Book Assignments Scenarios for critical thinking Skills demonstrations

### **METHODS OF EVALUATION:**

Writing assignments

Percent of total grade: 25.00 %

Percent range of total grade: 25 % to 60 % Written Homework; Reading Reports; Lab Reports; Essay Exams

Problem-solving assignments

Percent of total grade: 20.00 %

Percent range of total grade: 20 % to 40 % Homework Problems; Field Work; Lab Reports; Quizzes; Exams

Skill demonstrations

Percent of total grade: 40.00 %

Percent range of total grade: 40 % to 80 % Class Performance/s; Performance Exams

Objective examinations

Percent of total grade: 10.00 %

Percent range of total grade: 10 % to 20 % Multiple Choice; True/False

### **REPRESENTATIVE TEXTBOOKS:**

Required Representative Textbooks

AAOS . AAOS, Principles of ALS Care . AAOS ,2016.

Reading Level of Text, Grade: 12th

Required Other Texts and Materials

American Heart Association, Advanced Cardiac Life Support (ACLS) Manual

Essentials of Anatomy and Physiology, 6th edition Text and Workbook

### **ARTICULATION and CERTIFICATE INFORMATION**

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 201070

UC TRANSFER:

Not Transferable

### **SUPPLEMENTAL DATA:**

Basic Skills: N

Classification: Y  
Noncredit Category: Y  
Cooperative Education:  
Program Status: 1 Program Applicable  
Special Class Status: N  
CAN:  
CAN Sequence:  
CSU Crosswalk Course Department: JFT  
CSU Crosswalk Course Number: 30  
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: CCC000522371  
Sports/Physical Education Course: N  
Taxonomy of Program: 125100