GAVILAN COLLEGE

5055 Santa Teresa Blvd
Gilroy, CA 95023

Course Outline

COURSE: JFT 30 DIVISION: 50 ALSO LISTED AS:

TERM EFFECTIVE: Summer 2024 CURRICULUM APPROVAL DATE: 06/11/2024

SHORT TITLE: PARAMEDIC CORE

LONG TITLE: Paramedic Core

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
11 TO 14	18	Lecture:	5 TO 7	90 TO 126
		Lab:	18 TO 22	324 TO 396
		Other:	0	0
		Total:	23 TO 29	414 TO 522

Out of Class Hrs:	180.00 TO 252.00
Total Learning Hrs:	594.00 TO 774.00

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:

By the end of this course, a student should:

1. Students will learn to identify common respiratory emergencies and the appropriate treatments.
2. Demonstrate the different techniques of medication administration.
3. Establish and/ or maintain a patent airway, oxygenate, and ventilate a patient.
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

5. Demonstrate proper techniques for transferring patient care.

COURSE OBJECTIVES:

By the end of this course, a student should:

1. Become knowledgeable in multiple areas of anatomy and pathophysiology of various illness and injury, which will help the paramedic to provide competent patient care.
2. Provide Advanced Life Support (ALS) and advanced emergency medical care and transportation to the critically ill patient. Become proficient in the understanding and application of complex and comprehensive advanced emergency medical treatment.

COURSE CONTENT:

Curriculum Approval Date: 06/11/2024

LECTURE CONTENT:

A. EMS System and Paramedic Roles and Responsibilities (4 -8 hours)

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 (16 hours)

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 (16 hours)

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

COURSE CONTENT (CONTINUED) :
LECTURE CONTENT (CONTINUED) :
D. Legal and regulatory issues (8-16 hours)
1. The legal system
2. Legal accountability for the paramedic
E. Ethics and professional behavior (8 -16 hours)
1. Code of ethics
2. Patient rights
3. Professional accountably
F. Medical terminology review (2 - 4 hours)
G. Review Anatomical Systems Functions (2- 4 hours)
H. Review Pathophysiology(2 -4 hours)
I. Life Span development (8 -16 hours)
1. Infants
2. Toddlers and preschoolers
3. School age children and young adults
J. Basic principles of pharmacology (8 -20 hours)
1. Drug names
2. Drug classifications
3. Routes of medication
4. Medication administration
K. Toxicology (2 -6hours)
L. Infectious and commutable diseases (2 -6 hours)
M. Psychiatric disorders and substance abuse (4 -8 hours)
1. The suicidal patient
N. Hematologic disorders (2 -6 hours)
O. Geriatrics (4 -6 hours)
P. Environmental issues (2 -6 hours

COURSE CONTENT (CONTINUED) :

LAB CONTENT:

A. Proper hygiene techniques (20 hours)

B. Establishing intravenous routes (22-26 hours)

1. IV techniques

2. IO techniques -

3. Setting up, starting IV's

C. Basic and advanced airway management techniques (25-37 hours)

1. NPS's, OPA's

2. Suctioning

3. Endotracheal intubation

4. Tracheotomy care

5. Multi-lumen devices

6. O2 therapy

D. Cardiac monitor devices (24-28 hours)

E. Medication administration (24-30 hours)

F. Simulated scenarios (90-120 hours)

G. Transferring patient care (16-24 hours)

1. Documentation

2. Verbal

H. Shock and resuscitation (20-24 hours)

I. Obstetrics and gynecology (10 hours)

J. Pediatrics and neonatology (16-20 hours)

1. Assessment

K. Trauma (32 hours)

1. Treatment procedures

L. Special Operations (25 hours)

1. Crime Scene

2. Emergency vehicle operations

3. Hazardous material incidents

4. Disaster response

METHODS OF INSTRUCTION:
Lecture Text Book Assignments Scenarios for critical thinking Skills demonstrations

OUT OF CLASS ASSIGNMENTS:
Assignment Description
60-84 hours
Read 1.6 chapters per week
Review skills in the program lab manual

Assignment Description
60-84 hours
Workbook / writing assignments are given each week and include: matching, multiple choice, fill in the blank, identifying, ambulance calls, problem solving, labeling diagram.

Assignment Description
60-84 hours
Write prehospital patient care report form.
Medical research

METHODS OF EVALUATION:
Writing assignments
Evaluation Percent 25
Evaluation Description
Lab Reports;
Essay Exams

Problem-solving assignments
Evaluation Percent 25
Evaluation Description
Field Work;
Lab Reports;
Quizzes;
Exams

Skill demonstrations
Evaluation Percent 40
Evaluation Description
Class Performance/s;
Performance Exams

Objective examinations
Evaluation Percent 10
Evaluation Description
Multiple Choice;
True/False

REPRESENTATIVE TEXTBOOKS:
AAOS, Principles of ALS Care , AAOS , AAOS , 2009 or a comparable textbook/material.
Rationale: The textbook is the most current edition.
12th Grade

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
Not Transferable
UC TRANSFER:
Not Transferable
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:
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: CCC000522371
Sports/Physical Education Course: N
Taxonomy of Program: 125100