



El Camino College

COURSE OUTLINE OF RECORD - Official

I. GENERAL COURSE INFORMATION

Subject and Number: Fire and Emergency Technology 139
Descriptive Title: Paramedic Field Internship

Course Disciplines: Emergency Medical Technologies

Division: Industry and Technology

Catalog Description: This course provides an in-depth opportunity for the student to apply skills and techniques that are necessary for a paramedic. The student will complete a field internship in a designated mobile intensive care unit under the supervision and evaluation of a certified paramedic or mobile intensive care nurse.

Conditions of Enrollment: Prerequisite

Fire and Emergency Technology 138 with a minimum grade of C

Enrollment Limitation

admission to Paramedical Technician program

Course Length: Full Term Other (Specify number of weeks): 8
Hours Lecture: 0 hours per week TBA
Hours Laboratory: 60.00 hours per week TBA
Course Units: 8.50

Grading Method: Pass / No Pass
Credit Status: Associate Degree Credit

Transfer CSU: No
Transfer UC: No

General Education:

El Camino College: _____

CSU GE: _____

IGETC: _____

II. OUTCOMES AND OBJECTIVES

A. COURSE STUDENT LEARNING OUTCOMES (The course student learning outcomes are listed below, along with a representative assessment method for each. Student learning outcomes are not subject to review, revision or approval by the College Curriculum Committee)

1. SLO #1 COLLECTING AND TRANSMITTING MEDICAL DATA Students successfully completing this course will collect, analyze, and transmit emergency medical data using a radio system. The student will then demonstrate this ability at a simulated emergency medical incident.
2. SLO #2 LEADERSHIP Students, under the direct observation of a licensed paramedic, will demonstrate safe, competent patient care administered in the pre-hospital setting.
3. SLO #3 DOCUMENTATION The student will demonstrate competency in documenting the patient care record.

The above SLOs were the most recent available SLOs at the time of course review. For the most current SLO statements, visit the El Camino College SLO webpage at <http://www.elcamino.edu/academics/slo/>.

B. Course Student Learning Objectives (The major learning objective for students enrolled in this course are listed below, along with a representative assessment method for each)

1. Recognize the signs, symptoms and pathophysiology of major cardiovascular, neurological, respiratory, medical-surgical, and obstetrical emergencies.

Oral exams

2. Collect, analyze, organize, and transmit emergency medical data promptly and efficiently.

Performance exams

3. Demonstrate proficiency in the appropriate assessment and prehospital management of patients with medical and traumatic emergencies.

Performance exams

4. Perform advanced procedures allowed under a paramedics scope of practice. This is under the direction of a base station hospital and emergency room physician.

Performance exams

5. Initiate and maintain basic and advanced life support, including airway management, drug administration, and defibrillation.

Performance exams

6. Maintain and correctly utilize medical care equipment and supplies in both emergency and non-emergency situations.

Performance exams

7. Identify the medical, legal, psychological, and social aspects of paramedic functions in the field.

Oral exams

III. OUTLINE OF SUBJECT MATTER (Topics are detailed enough to enable a qualified instructor to determine the major areas that should be covered as well as ensure consistency from instructor to instructor and semester to semester.)

| Lecture or Lab | Approximate Hours | Topic Number | Major Topic |
|----------------|-------------------|--------------|--|
| Lab | 60 | I | PARAMEDIC EQUIPMENT A. Drug box B. Anti-shock trousers |

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|-------------------------------|-----|-----|---|
| | | | C. Resuscitators D. Airway adjuncts E. Splints F. Radio |
| Lab | 180 | II | BASIC AND ABDOMINAL LIFE SUPPORT A. Vital signs B. Bandaging C. Patient assessment D. Electrocardiogram (EKG) rhythm interpretation E. Extrication F. Treatment protocol |
| Lab | 60 | III | MEDICATION / INTRAVENOUS THERAPY A. Administration of medications B. Establishing intravenous (IV) lines C. Obtaining blood samples |
| Lab | 180 | IV | TRAUMA, MEDICAL EMERGENCIES A. Cardiopulmonary resuscitation (CPR) B. Childbirth C. Burns D. Shock E. Neurological complications F. Chest pain G. Difficulty breathing H. Patient transportation |
| Total Lecture Hours | | 0 | |
| Total Laboratory Hours | | 480 | |
| Total Hours | | 480 | |

IV. PRIMARY METHOD OF EVALUATION AND SAMPLE ASSIGNMENTS

A. PRIMARY METHOD OF EVALUATION:

Skills demonstrations

B. TYPICAL ASSIGNMENT USING PRIMARY METHOD OF EVALUATION:

In a field setting, demonstrate to the instructor the correct procedure for placing the anti-shock garment on a patient.

C. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS:

1. In a field setting, discuss and explain to the instructor the circumstances in which a needle thoracostomy procedure may be needed to be

used on a patient in the field.

2. In a field setting, discuss with the instructor the differences between the following types of "shock" on a patient you may see in the field:

- a. Hypovolemic
- b. Obstructive
- c. Cardiogenic
- d. Distributive

Compare and contrast the causes and appropriate field treatment for each type of "shock".

D. OTHER TYPICAL ASSESSMENT AND EVALUATION METHODS:

Performance exams

Laboratory reports

Field work

Other (specify):

SIMULATIONS

V. INSTRUCTIONAL METHODS

Demonstration

Discussion

Laboratory

Other (please specify)

 Patient observation

Patient treatment

Directed study

Note: In compliance with Board Policies 1600 and 3410, Title 5 California Code of Regulations, the Rehabilitation Act of 1973, and Sections 504 and 508 of the Americans with Disabilities Act, instruction delivery shall provide access, full inclusion, and effective communication for students with disabilities.

VI. WORK OUTSIDE OF CLASS

Course is lab only - minimum required hours satisfied by scheduled lab time and estimated student hours outside of class per week is zero.

Estimated Independent Study Hours per Week: 0

VII. TEXTS AND MATERIALS

A. UP-TO-DATE REPRESENTATIVE TEXTBOOKS

American Academy of Orthopedic Surgeons. Nancy Caroline's EMERGENCY CARE IN THE STREETS. 7th ed. Andrew Pollack, Bob Elling, Mike Smith , 2013.
 County of Los Angeles. ADVANCED PREHOSPITAL CARE CURRICULUM.
 Department of Health Services, 2004.
 Qualifier Text: Industry Standard,

B. ALTERNATIVE TEXTBOOKS

C. REQUIRED SUPPLEMENTARY READINGS

EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC INTERNSHIP MANUAL, County of Los Angeles, Department of Health Services, 2007 Industry Standard

D. OTHER REQUIRED MATERIALS

VIII. CONDITIONS OF ENROLLMENT

A. Requisites (Course and Non-Course Prerequisites and Corequisites)

| Requisites | Category and Justification |
|--|----------------------------|
| Course Prerequisite Fire and Emergency Technology-138 | Sequential |

B. Requisite Skills

| Requisite Skills |
|--|
| Successful completion of hospital field internship. FTEC 138 - Compare and contrast the pathophysiology, signs/symptoms, appropriate prehospital care, and rationale for any disorders discussed during didactic training or discussed in the text. FTEC 138 - Differentiate between the basic and advanced airway management techniques you have learned during didactic training. FTEC 138 - Compare and contrast the correct resuscitation procedures for adults, children, adolescents, and infants. FTEC 138 - Perform venipuncture for the purpose of withdrawing blood samples on a patient in an emergency room setting. FTEC 138 - Initiate, maintain, and discontinue intravenous therapy on a patient in an emergency room environment. FTEC 138 - Compare and contrast the proper lung auscultation procedures and methods. Correctly interpret the findings and discuss. FTEC 138 - Choose the correct procedures for treating closed fractures. FTEC 138 - Create and maintain professional rapport with other health care providers in an emergency room setting. FTEC 138 - Maintain the appropriate communication skills in order to gain a patient's confidence in an emergency room environment. |

C. Recommended Preparations (Course and Non-Course)

| Recommended Preparation | Category and Justification |
|-------------------------|----------------------------|
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D. Recommended Skills

| Recommended Skills |
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E. Enrollment Limitations

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| Enrollment Limitations and Category | Enrollment Limitations Impact |
|---|---|
| admission to Paramedical Technician program | Required course for the Paramedical Technician Option - Associate in Science Degree |

Course created by Craig Neumann on 02/01/1994.

BOARD APPROVAL DATE: 05/16/1994

LAST BOARD APPROVAL DATE: 01/23/2017

Last Reviewed and/or Revised by Kevin Huben on 09/30/2016

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