



El Camino College
COURSE OUTLINE OF RECORD – Approved

I. GENERAL COURSE INFORMATION

Subject and Number: Fire and Emergency Technology 120
Descriptive Title: Emergency Medical Foundations
Course Disciplines: Fire Technology
Division: Industry and Technology

Catalog Description:

The Emergency Medical Foundations course prepares students for prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of prehospital care workers and safety principles, basic life support, medical emergencies, traumatic emergencies, and emergency scene management. Includes certification in FEMA (Federal Emergency Management Agency) IS-100: Incident Command System and FEMA IS-700: Introduction to National Incident Management System. Note: This course is recommended for any students interested in emergency medicine which includes, but not limited to: EMT's, paramedics, nurses, and doctors. The principles covered throughout the course are universal to the foundation of emergency medicine.

Conditions of Enrollment:

None

Course Length:	X Full Term	Other (Specify number of weeks):
Hours Lecture:	1.50 hours per week	
Hours Laboratory:	0.00 hours per week	
Course Units:	1.50	

Grading Method: Letter
Credit Status: Non-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)

SLO#1: Students will be able to identify the 5 major components of a patient assessment.

SLO#2: Students will be able to identify proper use of standard precautions.

SLO#3: Students will be able to identify the 5 links in the cardiac chain of survival.

B. Course Student Learning Objectives (The major learning objective for students enrolled in this course are listed below)

1. Describe the different elements of an Emergency Medical Services (EMS) system.
2. Describe the standard precautions for preventing infectious diseases from airborne and bloodborne pathogens.
3. Define consent and identify how it relates to decision making.
4. Identify basic human anatomy
5. Define the components of a scene size-up.
6. Define the incident command and general staff within the Incident Command System (ICS).

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
Lecture	3	I	EMERGENCY MEDICAL SERVICES A. Safety and wellness B. Legal and ethical issues C. Communication and documentation
Lecture	3	II	BASIC LIFE SUPPORT A. Recognition and communication B. Human Anatomy C. Airway management D. Chest compressions E. Automated External Defibrillator (AED)
Lecture	3	III	PATIENT ASSESSMENT A. Personal Protective Equipment (PPE) B. Scene Safety C. Medical patient D. Trauma patient
Lecture	6	IV	MEDICAL A. Medical emergencies B. Poisoning and substance abuse C. Behavioral emergencies D. Environmental emergencies E. Pregnancy and childbirth

Lecture	6	V	TRAUMA A. Bleeding B. Soft-tissue injuries C. Spinal injuries D. Orthopedic injuries
Lecture	6	VI	EMS OPERATIONS A. Incident management B. Disaster response C. Incident Command System (ICS) D. National Incident Management System (NIMS)
Total Lecture Hours		27	
Total Laboratory Hours		0	
Total Hours		27	

IV. PRIMARY METHOD OF EVALUATION AND SAMPLE ASSIGNMENTS

A. PRIMARY METHOD OF EVALUATION:

Problem solving demonstrations (computational or non-computational)

B. TYPICAL ASSIGNMENT USING PRIMARY METHOD OF EVALUATION:

Given a written emergency scenario, differentiate between a patient's nature of illness and mechanism of injury to determine what is the next best course of action. Write the proper order of operation on a one-page summative patient assessment and submit to the instructor.

C. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS:

1. Written Scenario: You have just been dispatched to the home of a 71-year-old female found sitting in her wheelchair guarding her chest. Describe what actions you would take to provide for safety and stabilize the scene? Write the proper order of operation on a one-page summative patient assessment and submit to the instructor.

2. Written scenario: You have just been dispatched to the 110 freeway for a traffic collision. You see a single car crashed into the center median. The patient has been ejected about 10 feet from the windshield. Describe what actions you would take to provide for safety, stabilize the scene, and transport the patient? Write the proper order of operation on a one-page summative patient assessment and submit to the instructor.

D. OTHER TYPICAL ASSESSMENT AND EVALUATION METHODS:

Quizzes
Homework Problems
Term or other papers

V. INSTRUCTIONAL METHODS

Discussion
Internet Presentation/Resources
Lecture
Multimedia presentations

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

Study
Answer questions
Required reading
Written work

Estimated Independent Study Hours per Week: 3

VII. TEXTS AND MATERIALS

A. UP-TO-DATE REPRESENTATIVE TEXTBOOKS

Carey, Ryan. Emergency Medical Foundations. First Edition. El Camino College, 2020.
American Heart Association. Basic Life Support (BLS) Provider Manual. ISBN: 978-1-61669-407-4

B. ALTERNATIVE TEXTBOOKS

C. REQUIRED SUPPLEMENTARY READINGS

D. OTHER REQUIRED MATERIALS

VIII. CONDITIONS OF ENROLLMENT

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

Requisites	Category and Justification
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B. Requisite Skills

Requisite Skills

C. Recommended Preparations (Course and Non-Course)

Recommended Preparation	Category and Justification
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D. Recommended Skills

Recommended Skills

E. Enrollment Limitations

Enrollment Limitations and Category	Enrollment Limitations Impact
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Course created Ryan Carey on 10/04/2017

BOARD APPROVAL DATE: 12/18/2017

LAST BOARD APPROVAL DATE: 06/15/2020

Last Reviewed and/or Revised by Ryan Carey on 02/22/2020
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