



El Camino College

COURSE OUTLINE OF RECORD - Official

I. GENERAL COURSE INFORMATION

Subject and Number: Fire and Emergency Technology 135
Descriptive Title: Traumatic Emergencies

Course Disciplines: Emergency Medical Technologies

Division: Industry and Technology

Catalog Description: This course covers the causes and treatment of bodily injuries due to trauma. Topics include maxillofacial and soft tissue injuries, burns, head, spinal, chest and abdominal wounds, emergency childbirth and multi-casualty incidents.

Conditions of Enrollment: Enrollment Limitation

Admission to Paramedical Technician program

Course Length: Full Term Other (Specify number of weeks): 13
Hours Lecture: 3.00 hours per week TBA
Hours Laboratory: 0 hours per week TBA
Course Units: 2.00

Grading Method: Letter
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 TRAUMATIC EMERGENCIES Impaled Objects Students successfully completing this course will be able to select the appropriate field treatment for an

impaled object.

2. SLO #2 CHEST TRAUMA Students will be able to recognize traumatic injuries to the chest and formulate appropriate treatment plans.
3. SLO #3 HEAD AND SPINAL TRAUMA Students will be able to identify the signs and symptoms of traumatic head injuries and formulate appropriate treatment plans. 11/29/2013

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. Collect and explain the necessary information to be used for assessing pupil contractility.
Performance exams
2. Select the appropriate field treatment for a patient with an impaled object.
Oral exams
3. Examine and explain the functions of the skin.
Oral exams
4. Categorize the 4 basic types of burns. Compare and contrast the differences.
Oral exams
5. Compare the principles of splinting a closed fracture versus a compound fracture. Explain the differences for a patient in the field.
Performance exams
6. Describe the appropriate field care of an extremity amputation.
Performance exams
7. Compare and contrast two types of brainstem posturing and explain the signs, symptoms, and causational factors.
Oral exams
8. Analyze the importance of using the incident command system on a multipatient, multi-casualty type of incident.
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
Lecture	3	I	MAXILLOFACIAL AND SOFT TISSUE INJURIES A. Definitions B. Eye structures C. Eye complications D. Field treatments E. Impaled objects

			F. Bandaging
Lecture	6	II	BURNS A. Functions of the skin B. Types of burns C. Degrees of burns D. "Rule of Nines" E. Field treatments F. Carbon monoxide poisoning G. Destination policies - burn patients
Lecture	3	III	MUSCULO-SKELETAL TRAUMA A. Definitions of musculo-skeletal trauma B. Signs/symptoms of fractures, sprains, dislocation, amputation C. Splinting D. Fracture complications E. Field treatments
Lecture	3	IV	HEAD AND SPINE TRAUMA A. Head injuries B. Cushing' s reflex C. Intracranial pressure D. Brainstem posturing E. Concussion F. Hematoma G. Cervical spine injuries H. Field treatments
Lecture	6	V	CHEST AND ABDOMINAL TRAUMA A. Chest injuries B. Pneumothorax C. Flail chest D. Myocardial contusion E. Gunshot wounds F. Definitions of chest and soft tissue injuries G. Needle thoracostomy H. Field treatments
Lecture	3	VI	MULTI-CASUALTY INCIDENTS A. Multi-Casualty Incidents (MCI) command systems B. Triage C. MCI implementation criteria D. Medical Alert Center (MAC) E. Hospital Emergency Administrative Radio (HEAR) F. Patient Care

Lecture	6	VII	SPECIAL TRAUMA SITUATIONS A. Trauma and pregnancy B. Pediatric trauma C. Cardiopulmonary Resuscitation(CPR) and trauma D. Field treatments E. "Load and Iso" situations
Lecture	3	VIII	EXTRICATION TECHNIQUES A. Rapid extrication B. Mechanism of injury C. Principles of extrication D. Stretchers/litters E. Scene safety
Lecture	6	IX	SIMULATIONS A. Assessing/treating soft tissue injuries B. Assessing/treating burns C. Assessing/treating musculo/skeletal trauma D. Assessing head/spin/chest/abdominal injuries E. Assessing/treating special trauma situations
Total Lecture Hours		39	
Total Laboratory Hours		0	
Total Hours		39	

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 classroom setting, diagram the appropriate field treatment of a traumatic cardiopulmonary arrest victim. Document information on an Emergency Medical Services (EMS) medical service form.

C. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS:

1. In a classroom setting, after PowerPoint presentations, explain to the instructor the rationale for using a traction splint on a patient with a fractured femur. Include in your explanation the signs of fractured femur and the recommended field treatment for this injury.

2. In a classroom setting, after PowerPoint presentations, discuss with the instructor how penetrating chest wounds differ from blunt chest injuries. Include recommended field treatment for these types of injuries.

D. OTHER TYPICAL ASSESSMENT AND EVALUATION METHODS:

Performance exams

Objective Exams

Quizzes

Class Performance

Homework Problems

Multiple Choice

Completion

Matching Items

True/False

Other (specify):

Simulations

V. INSTRUCTIONAL METHODS

Demonstration

Discussion

Group Activities

Guest Speakers

Lecture

Role Play

Simulation

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

Skill practice

Required reading

Problem solving activities

Written work

Estimated Independent Study Hours per Week: 6

VII. TEXTS AND MATERIALS

A. UP-TO-DATE REPRESENTATIVE TEXTBOOKS

Andrew Pollack, Bob Elling, Mike Smit. Nancy Caroline's EMERGENCY CARE IN THE STREETS. 7th ed. American Academy of Orthopedic Surgeons, 2013.

The County of Los Angeles. ADVANCED PREHOSPITAL CARE CURRICULUM.

Department of Health Services, 2004.

Qualifier Text: INDUSTRY STANDARD,

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
Admission to Paramedical Technician program	

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