



El Camino College
COURSE OUTLINE OF RECORD – Official

Course Acronym:	FTEC
Course Number:	135
Descriptive Title:	Traumatic Emergencies
Division:	Health Sciences and Athletics
Department:	Fire and Emergency Technology
Course Disciplines:	Emergency Medical Technologies
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.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	
Enrollment Limitation:	Admission to Paramedical Technician Program
Hours Lecture (per week):	3
Hours Laboratory (per week):	0
Outside Study Hours:	6
Total Course Hours:	39
Course Units:	2
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	No
Effective Date:	
Transfer UC:	No
Effective Date:	
General Education:	
ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	

Term:	
Other:	
Student Learning Outcomes:	<p>SLO #1 Impaled Objects</p> <p>Students successfully completing this course will be able to select the appropriate field treatment for an impaled object.</p> <p>SLO #2 Chest Trauma</p> <p>Students will be able to recognize traumatic injuries to the chest and formulate appropriate treatment plans.</p> <p>SLO #3 Head & Spinal Trauma</p> <p>Students will be able to identify the signs and symptoms of traumatic head injuries and formulate appropriate treatment plans.</p>
Course Objectives:	<ol style="list-style-type: none"> 1. Collect and explain the necessary information to be used for assessing pupil contractility. 2. Select the appropriate field treatment for a patient with an impaled object. 3. Examine and explain the functions of the skin. 4. Categorize the 4 basic types of burns. Compare and contrast the differences. 5. Compare the principles of splinting a closed fracture versus a compound fracture. Explain the differences for a patient in the field. 6. Describe the appropriate field care of an extremity amputation. 7. Compare and contrast two types of brainstem posturing and explain the signs, symptoms, and causal factors. 8. Analyze the importance of using the incident command system on a multi-patient, multi-casualty type of incident.
Major Topics:	<p>I. MAXILLOFACIAL AND SOFT TISSUE INJURIES (3 hours, lecture)</p> <ol style="list-style-type: none"> A. Definitions B. Eye structures C. Eye complications D. Field treatments E. Impaled objects F. Bandaging <p>II. BURNS (6 hours, lecture)</p> <ol style="list-style-type: none"> 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 <p>III. MUSCULAR-SKELETAL TRAUMA (3 hours, lecture)</p> <ol style="list-style-type: none"> A. Definitions of muscular-skeletal trauma

- B. Signs/symptoms of fractures, sprains, dislocation, amputation
- C. Splinting
- D. Fracture complications
- E. Field treatments

IV. HEAD AND SPINE TRAUMA (3 hours, lecture)

- A. Head injuries
- B. Cushing's reflex
- C. Intracranial pressure
- D. Brainstem posturing
- E. Concussion
- F. Hematoma
- G. Cervical spine injuries
- H. Field treatments

V. CHEST AND ABDOMINAL TRAUMA (6 hours, lecture)

- A. Chest injuries
- B. Pneumothorax
- C. Flail chest
- D. Myocardial contusion
- E. Gunshot wounds
- F. Definitions of chest and soft tissue injuries
- G. Needle thoracotomy
- H. Field treatments

VI. MULTI-CASUALTY INCIDENTS (3 hours, lecture)

- 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

VII. SPECIAL TRAUMA SITUATIONS (6 hours, lecture)

1.
 - A. Trauma and pregnancy
 - B. Pediatric trauma
 - C. Cardiopulmonary Resuscitation (CPR) and trauma
 - D. Field treatments
 - E. "Load and Iso" situations

VIII. EXTRICATION TECHNIQUES (3 hours, lecture)

- A. Rapid extrication
- B. Mechanism of injury
- C. Principles of extrication
- D. Stretchers/litters

	<p>E. Scene safety</p> <p>IX. SIMULATIONS (6 hours, lecture)</p> <p>A. Assessing/treating soft tissue injuries B. Assessing/treating burns C. Assessing/treating muscular/skeletal trauma D. Assessing head/spin/chest/abdominal injuries E. Assessing/treating special trauma situations</p>
Total Lecture Hours:	39
Total Laboratory Hours:	0
Total Hours:	39
Primary Method of Evaluation:	3) Skills demonstration
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.
Critical Thinking Assignment 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.
Critical Thinking Assignment 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.
Other Evaluation Methods:	Class Performance, Completion, Homework Problems, Matching Items, Multiple Choice, Objective Exam, Performance Exams, True/False
Instructional Methods:	Demonstration, Discussion, Group Activities, Guest Speakers, Lecture, Role play/simulation
If other:	
Work Outside of Class:	Answer questions, Problem solving activity, Required reading, Skill practice, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Textbooks:	Andrew Pollack, Bob Elling, Mike Smith. <u>Nancy Caroline's EMERGENCY CARE IN THE STREETS</u> . 8th ed. American Academy of Orthopedic Surgeons, 2018. The County of Los Angeles. <u>ADVANCED PREHOSPITAL CARE CURRICULUM</u> . Department of Health Services, 2004. (Discipline Standard)
Alternative Textbooks:	
Required Supplementary Readings:	
Other Required Materials:	
Requisite:	

Category:	
Requisite course(s): List both prerequisites and corequisites in this box.	
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).	
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Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
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Enrollment Limitations and Category:	Admission to Paramedical Technician Program
Enrollment Limitations Impact:	
Course Created by:	Craig Neumann
Date:	02/01/1994
Original Board Approval Date:	05/16/1994
Last Reviewed and/or Revised by:	Kevin Huben
Date:	03/13/2023
Last Board Approval Date:	07/17/2023 effective FALL 2024