EMC 133B Course Outline as of Fall 2024

CATALOG INFORMATION

Dept and Nbr: EMC 133B Title: PARAMEDIC 1B - TRAUMA Full Title: Paramedic Theory 1B - Trauma Emergencies Last Reviewed: 2/12/2018

| Units | | Course Hours per Wee | ek | Nbr of Weeks | Course Hours Total | |
|---------|------|----------------------|-------|--------------|---------------------------|-------|
| Maximum | 2.50 | Lecture Scheduled | 8.00 | 4 | Lecture Scheduled | 32.00 |
| Minimum | 2.50 | Lab Scheduled | 10.00 | 4 | Lab Scheduled | 40.00 |
| | | Contact DHR | 0 | | Contact DHR | 0 |
| | | Contact Total | 18.00 | | Contact Total | 72.00 |
| | | Non-contact DHR | 0 | | Non-contact DHR | 0 |

Total Out of Class Hours: 64.00

Total Student Learning Hours: 136.00

| Title 5 Category: | AA Degree Applicable |
|-------------------|---|
| Grading: | Grade Only |
| Repeatability: | 00 - Two Repeats if Grade was D, F, NC, or NP |
| Also Listed As: | |
| Formerly: | EMC 130D |

Catalog Description:

Second didactic course in a series leading to the completion of paramedic didactic training. Emphasis on the assessment and treatment of the trauma patient in the field care environment. Meets standards for both the California Health and Safety Code, Title 22 and the National Emergency Medical Services Education Standards (NEMSES) as published by U.S. Department of Transportation (DOT).

Prerequisites/Corequisites:

Course Completion of EMC 109

Recommended Preparation:

Limits on Enrollment:

Enrollment in Paramedic Academy

Schedule of Classes Information:

Description: Second didactic course in a series leading to the completion of paramedic didactic training.

Emphasis on the assessment and treatment of the trauma patient in the field care environment. Meets standards for both the California Health and Safety Code, Title 22 and the National Emergency Medical Services Education Standards (NEMSES) as published by U.S. Department of Transportation (DOT). (Grade Only) Prerequisites/Corequisites: Course Completion of EMC 109 Recommended: Limits on Enrollment: Enrollment in Paramedic Academy Transfer Credit: Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

| AS Degree: CSU GE: | Area Transfer Area | Effective: Effective: | Inactive: Inactive: |
|-----------------------|-----------------------|--------------------------|------------------------|
| IGETC: | Transfer Area | Effective: | Inactive: |
| CSU Transfer | : Effective: | Inactive: | |
| UC Transfer: | Effective: | Inactive: | |

CID:

Certificate/Major Applicable:

Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

- 1. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression for an acutely injured patient.
- 2. Implement a comprehensive treatment and disposition plan for an acutely injured patient.
- 3. Complete the Prehospital Trauma Life Support (PHTLS) certification.

Objectives:

At the conclusion of this course, the student should be able to:

- 1. Relate a mechanism of injury to potential traumatic injuries.
- 2. Develop a systematic approach to scene size up and control.
- 3. Perform an assessment of the trauma patient.
- 4. Integrate knowledge of anatomy, physiology and pathophysiology to the trauma patient.
- 5. Given a scenario, demonstrate a rapid assessment and management of the trauma patient.

Topics and Scope:

- I. Scene Size-Up
 - A. Mechanism of injury
 - B. Scene safety
- II. Trauma Pathophysiology
- III. Trauma Assessment
 - A. Primary survey
 - B. Secondary survey
 - C. Reassessment

IV. Trauma Management

- A. Airway management
- B. Vascular access
- C. Splinting
- D. Extrication
- V. Traumatic Injuries
 - A. Head and neck
 - B. Thorax
 - C. Abdominal
 - D. Musculoskeletal
- E. Burns
- VI. Special Circumstances
 - A. Pediatrics
 - B. Elderly
 - C. Drug and alcohol
 - D. Trauma arrest

All areas of the Topics and Scope are covered in both the Lecture and Lab portions of the course

Assignment:

Lecture-Related Assignments:

- 1. Reading 50-80 pages per week
- 2. Interpretation of 5-10 trauma treatment protocols
- 3. Research paper (6 -7 page)

Lab-Related Assignments:

- 1. Demonstration of 5-10 trauma skills
- 2. Quizzes (6)
- 3. Summative trauma written exam (1)
- 4. Trauma scenarios (5 10)
- 5. PHTLS written and practical exam
- 6. Title 22 mandated attendance
- 7. Patient care reports (5 10)

Methods of Evaluation/Basis of Grade:

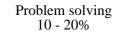
Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Technical report writing (patient care reports), research paper

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Patient simulations, patient scenarios

Writing 5 - 10%



Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Skill performance examinations

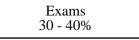
Exams: All forms of formal testing, other than skill performance exams.

Quizzes, short answers, multiple choice, substantive exams

Other: Includes any assessment tools that do not logically fit into the above categories.

Affective behavior, attendance, participation in class discussions

Skill Demonstrations 30 - 40%



Other Category 15 - 25%

Representative Textbooks and Materials:

Paramedic Care: Principles and Practice, Vols. 1-5. 5th ed. Bledsoe, Bryan and Porter, Robert and Cherry, Richard. Pearson. 2016 PHTLS: Prehospital Trauma Life Support / Edition 8. National Association of EMTs. Jones & Bartlett. 2014 FISDAP Tracking and Testing Software