

EMS250 : Trauma Emergencies

General Information

Author:	<ul style="list-style-type: none">Abraham BacaDudley, CatherineKesian, Kohar
Course Code (CB01) :	EMS250
Course Title (CB02) :	Trauma Emergencies
Department:	EMS
Proposal Start:	Spring 2025
TOP Code (CB03) :	(1251.00) Paramedic*
CIP Code:	(51.0904) Emergency Medical Technology/Technician (EMT Paramedic).
SAM Code (CB09) :	Advanced Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000642896
Curriculum Committee Approval Date:	10/25/2023
Board of Trustees Approval Date:	01/09/2024
Last Cyclical Review Date:	10/25/2023
Course Description and Course Note:	EMS 250 expands on the paramedic student's knowledge of trauma emergencies and integrates assessment findings in formulating a field impression and implementing a treatment plan for an injured patient. This course will provide an in-depth evaluation of trauma including; incidence of trauma, trauma systems, types of injury, documentation in trauma, trauma scoring systems, and local trauma center designations. Students will also discuss the impact of physical trauma on patients from diverse backgrounds and experiences and how to treat them.
Justification:	New Course
Academic Career:	<ul style="list-style-type: none">Credit
Author:	<ul style="list-style-type: none">Abraham Baca

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Emergency Medical Technologies
Alternate Discipline:	
Alternate Discipline:	

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Not transferable

Transferability Status

Not transferable

Units and Hours

Summary

Minimum Credit Units (CB07) 3.5

Maximum Credit Units (CB06) 3.5

Total Course In-Class (Contact) Hours 90

Total Course Out-of-Class Hours 117

Total Student Learning Hours 207

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience
 Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	2	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	54

Laboratory	36
Studio	0
Total	90

Course Out-of-Class Hours

Lecture	108
Laboratory	9
Studio	0
Total	117

Time Commitment Notes for Students

Emergency/Trauma Care Hospital Clinical (8 tba hours)

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
Emergency/Trauma Care Hospital Clinical	Laboratory	0	0.5

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Co-Requisite

EMS246 - Diverse Patient Populations (in-development)

AND

Co-Requisite

EMS248 - Cardiology (in-development)

AND

Co-Requisite

EMS252 - Paramedic Internship Prep (in-development)

AND

Prerequisite

EMS240 - Fundamentals of Paramedic Practice (in-development)

Outcomes

- List body structures and systems.
- Associate how disease or trauma affects each body system and structure.
- Write patient documentation correctly.
- Perform proper technique for aseptic IV therapy.

AND

Prerequisite

EMS242 - Pharmacology (in-development)

Outcomes

- Recall and apply applicable laws affecting prehospital medications.
- Determine indications and contraindications for prehospital medications.
- Identify, manipulate and solve medication dose formulas for both adult and pediatric patients.

AND

Prerequisite

EMS244 - Medical Emergencies (in-development)

Outcomes

- Compare pathophysiology and a specific disease.
 - Summarize how disease affects a certain body system.
 - Perform the correct assessment and treatment of a medical patient.
-

Entry Standards

Entry Standards

No value

Course Limitations

Cross Listed or Equivalent Course	Description
-----------------------------------	-------------

No value

No value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
------------------------	---------

Methods of Instruction	Laboratory
------------------------	------------

Methods of Instruction	Multimedia
------------------------	------------

Out of Class Assignments

- Written lab reports (e.g patient assessments)
- Hospital clinical time

Methods of Evaluation	Rationale
Exam/Quiz/Test	Block exams
Evaluation	Lab skills Evaluation
Exam/Quiz/Test	Final exam

Textbook Rationale
No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Bryan E. Bledsoe	Paramedic Care: Principles and Practice	Pearson	2022	9780136914594

Other Instructional Materials (i.e. OER, handouts)
No Value

Materials Fee
No value

Learning Outcomes and Objectives

Course Objectives

Identify and locate trauma centers throughout Los Angeles County.

Recite the proper assessment for trauma patients.

Perform the proper treatment of a patient with physical and/or emotional trauma.

Provide patient-centered care—identify, respect, and care about patients' differences, values, preferences, and expressed needs.

SLOs

Provide demonstration of safe patient care through proper assessment and treatment of a trauma patient. Expected Outcome Performance: 70.0

Formulate a patient-centered plan to determine proper treatment for the various needs of trauma patients. Expected Outcome Performance: 70.0

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Introduction (18 hours)

- Kinetics of trauma
- Patient injury patterns
- Provide patient-centered care—identify, respect, and care about patients' differences, values, preferences, and expressed needs. Reference to cultural competence, awareness that diverse populations respond differently to trauma.

Incidence of trauma (18 hours)

- Adult trauma patterns
 - How to appropriately assess and treat diverse populations
- Pediatric trauma patterns
 - How to appropriately approach children from diverse populations
- Infant trauma patterns

Trauma systems (18 hours)

- Hospitals
- Trauma center designation

Total Hours: 54

Laboratory/Studio Content

Laboratory (36 hours)

- Assessment
- Treatment of trauma patient scenarios
- Correct documentation
- Correct trauma designation and hospital designation
- Hospital clinical time

Total Hours: 36