

EMS246 : Diverse Patient Populations

General Information

Author:	• Abraham Baca
Course Code (CB01) :	EMS246
Course Title (CB02) :	Diverse Patient Populations
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) :	CCC000642894
Curriculum Committee Approval Date:	04/10/2024
Board of Trustees Approval Date:	06/18/2024
Last Cyclical Review Date:	10/25/2023
Course Description and Course Note:	EMS 246 introduces the paramedic to concepts in assessing and meeting the emergency care needs of the geriatric, neonate, pediatric patients and persons with disabilities. The course will focus on epidemiology, pathophysiology, assessment, and treatment of these patient demographics. The course also integrates medical and trauma assessments of these patients with psychosocial, ethnocultural, legal, and ethical considerations for these (and all) patients. This course addresses how to treat these diverse populations who may require adjustments to traditional treatment and assessment modalities.
Justification:	Coding/Category Change
Academic Career:	• Credit
Author:	No value

Academic Senate Discipline

Primary Discipline:	• Emergency Medical Technologies
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)	Course Special Class Status (CB13)	Grading Basis
Course is not a basic skills course.	Course is not a special class.	• Grade with Pass / No-Pass Option
<input type="checkbox"/> Allow Students to Gain Credit by Exam/Challenge	Pre-Collegiate Level (CB21)	Course Support Course Status (CB26)
	Not applicable.	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)	4
Maximum Credit Units (CB06)	4
Total Course In-Class (Contact) Hours	90
Total Course Out-of-Class Hours	144
Total Student Learning Hours	234

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	0
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	36
Studio	0
Total	90
Course Out-of-Class Hours	
Lecture	108
Laboratory	36
Studio	0
Total	144

Time Commitment Notes for Students

Neonatal Intensive Care Hospital Clinical (16 tba hours) Pediatric Intensive Care Hospital Clinical (16 tba hours)

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
Neonatal Intensive Care Hospital Clinical	Laboratory	0	1
Pediatric Intensive Care Hospital Clinical	Laboratory	0	1

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

Co-Requisite

EMS248 - Cardiology

AND

Co-Requisite

EMS250 - Trauma Emergencies

AND

Co-Requisite

EMS252 - Paramedic Internship Prep

AND

Prerequisite

EMS240 - Fundamentals of Paramedic Practice

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

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

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

Course Limitations

Cross Listed or Equivalent Course

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 exam
Writing Assignment	Evaluation of Patient Care reports
Evaluation	Lab skills evaluation
Exam/Quiz/Test	Final exam

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
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Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

No value

Learning Outcomes and Objectives**Course Objectives**

Review a proper assessment and treatment for this diverse population.

Exemplify understanding of needs and compassion for this patient demographic.

Identify persons with disabilities and their unique treatment needs.

Identify principles of epidemiology and pathophysiology.

SLOs

Demonstrate safe patient care through proper assessment and treatment of persons with disabilities.

Expected Outcome Performance: 70.0

Apply knowledge of scientific principles of epidemiology on pathophysiology of a specific disease and how it may impact persons with disabilities.

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 (10 hours)

- Principles of epidemiology
- Principles of pathophysiology
- Overview of the persons with disabilities demographic

Geriatric patients (11 hours)

- Assessment medical/Trauma
- Treatment

Neonate (11 hours)

- Assessment medical/Trauma
- Treatment

Pediatric (11 hours)

- Assessment medical/trauma
- Treatment

Persons with Disabilities (11 hours)

- Assessment medical/trauma
- Specific patient needs to include culture, medical mistrust, language/communication barriers, patient/healthcare provider biases, and the impact on treatment.

Total hours: 54

Laboratory/Studio Content

Laboratory content (36 hours)

- Medical assessment
- Medical Treatment
- Trauma Assessment
- Trauma Treatment
- Hospital Clinical

Total Hours: 36

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

Yes

If yes, who is your departmental library liaison?

No Value

Did you contact the DEIA liaison?

Yes

Were there any DEIA changes made to this outline?

Yes

If yes, in what areas were these changes made:

- Course Description
- Course Content

Will any additional resources be needed for this course? (Click all that apply)

- New Equipment
- Hardware or Software (include software license renewal)
- Remodeled Facilities (e.g. lab space, specialized classroom, ect.)

If additional resources are needed, add a brief description and cost in the box provided.

We will need a 12 EKG monitor, from Zoll (many other brands exist) \$30,000 x2

Platinum Education software update for Paramedics, we have this program for EMTs. The cost is usually waived if we have a minimum of 20 students enrolled.

We will need extra classroom space and storage specific for the Paramedic students.