EMS246 : Diverse Patient Populations

General Information

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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:	10/25/2023
Board of Trustees Approval Date:	01/09/2024
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 and special needs patients. 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:	New Course
Academic Career:	• Credit
Author:	• Abraham Baca

Academic Senate Discipline

Primary Discipline:	• 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)

No value

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)	4
Maximum Credit Units (CB06)	4
Total Course In-Class (Contact) Hours	90
Total Course Out-of-Class Hours	139.68
Total Student Learning Hours	229.68

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	31.68
Studio	0
Total	139.68

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	0.88
Pediatric Intensive Care Hospital Clinical	Laboratory	0	0

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

Co-Requisite

EMS248 - Cardiology (in-development)

AND

Co-Requisite

EMS250 - Trauma Emergencies (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 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
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

Review a proper assessment and treatment for this diverse population.

Exemplify understanding of needs and compassion for this patient demographic.

Identify patients with special considerations and their unique treatment needs.

Identify principles of epidemiology and pathophysiology.

SLOs

Demonstrate safe patient care through proper assessment and treatment of a patient with special needs. Expected Outcome Performance: 70.0

Apply knowledge of scientific principles of epidemiology on pathophysiology of a specific disease and how it may impact a patient with special needs.

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 patients with special needs demographic

Geriatric patients (11 hours)

- Assessment medical/Trauma
- Treatment

Neonate (11 hours)

- Assessment medical/Trauma
- Treatment

Pediatric (11 hours)

- Assessment medical/trauma
- Treatment

Special Needs Patients (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