

# EMT 088: GERIATRIC EDUCATION FOR EMERGENCY MEDICAL SERVICES

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**Originator**

chwilson

**Justification / Rationale**

Geriatric Education for EMS (GEMS) provides EMS practitioners the skills and knowledge to handle older adults' unique medical, social, environmental, and communications challenges. This course will meet continuing education requirements required for the EMS program accreditation.

**Effective Term**

Fall 2022

**Credit Status**

Credit - Degree Applicable

**Subject**

EMT - Emergency Medical Technology

**Course Number**

088

**Full Course Title**

Geriatric Education for Emergency Medical Services

**Short Title**

GERIATRIC EDUCATION

**Discipline****Disciplines List**

Emergency Medical Technologies

**Modality**Face-to-Face  
100% Online  
Hybrid**Catalog Description**

Geriatric Education for EMS (GEMS) provides EMS practitioners the skills and knowledge to handle the unique medical, social, environmental, and communications challenges of older adults. This course prepares EMS practitioners for the array of medical, mobility, psychosocial, and communications issues found in older patients.

**Schedule Description**

This course prepares EMS students to assess and treat the elderly by focusing on the needs of the older populations in order to ensure that the emergency medical service providers recognize serious and or life-threatening illnesses and injuries, provide geriatric-specific assessments and correct treatment. Prerequisite: EMT 084 or EMT 384. Advisory: ENG 050, ENG 061, HS 061 and HS 062

**Lecture Units**

3

**Lecture Semester Hours**

54

**Lab Units**

0

**In-class Hours**

54

**Out-of-class Hours**

108

**Total Course Units**

3

**Total Semester Hours**

162

**Prerequisite Course(s)**

EMT 084 or EMT 384

Advisory: ENG 050, ENG 061, HS 061, and HS 062

**Required Text and Other Instructional Materials****Resource Type**

Book

**Open Educational Resource**

No

**Formatting Style**

APA

**Author**

David R. Snyder

**Title**

Geriatric Education for Emergency Medical Services

**Edition**

2nd

**City**

Burlington

**Publisher**

Jones and Bartlett

**Year**

2016

**College Level**

Yes

**Flesch-Kincaid Level**

12

**ISBN #**

973-1-4498-4101-7

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**Class Size Maximum**

30

**Requisite Course Objectives**

EMT 084-Define emergency medical services (EMS) systems.

EMT 084-Describe the roles and responsibilities of the EMT and what attributes an EMT is expected to possess.

EMT 084-Explain the technical skills and general considerations required of EMTs during patient packaging and patient handling.

EMT 084-Explain the importance of transport time and destination selection for a medical patient.

EMT 084-Describe the assessment of a patient who is in respiratory distress and the relationship of the assessment findings to patient management and transport decisions.

EMT 084-Identify the components of the patient assessment process.

EMT 084-Define altered mental status; include possible causes and the patient assessment considerations that apply to each.

EMT 084-Explain the term pharmacodynamics, therapeutic effect, indications, side effects, unintended effects, and untoward effects.

EMT 084- Explain how to determine the nature of the illness (NOI) for internal bleeding, including identifying possible traumatic and nontraumatic sources.

EMT 084-Explain the pathophysiology of respiration and perfusion in the adult, child and infant.

EMT 084-Explain the pathophysiology of an allergic and anaphylactic reactions.

EMT 084-Describe the characteristics of external bleeding, including the identification of arterial, venous and capillary bleeding.

EMT 084-Explain how to assess a patient with external and internal bleeding, including the physical examination, vital signs, and the use of monitoring devices.

EMT 084-Describe the different types of musculoskeletal injuries, including fractures, dislocations, amputations, sprains, and strains.

EMT 084-Describe the process of providing emergency care to a patient who has sustained a cold injury, including assessment of the patient, review of signs and symptoms and management care.

EMT 084-Describe the process of providing emergency care to a patient who has sustained a heat injury, including assessment of the patient, review of signs and symptoms and management care.

EMT 084-Discuss the physiological changes associated with the aging process and the age-related assessment and treatment modification that result.

EMT 384-Perform an assessment of an emergency situation.

EMT 384-Perform pre-hospital support procedures at the scene of an injury or illness.

EMT 384-Demonstrate pre-hospital support procedures during transport of the sick or injured.

EMT 384-Describe basic anatomy and physiology of the human body.

EMT 384-Assess a medical and or trauma patient for life threats and treat patient per EMT scope of practice

EMT 384-Explain the pharmacology of medications within the national scope of an EMT, indications and contraindications for use, side effects and dosages.

ENG 050-

## Course Content

The elderly, defined as persons above the age of 65, are the most frequent users of emergency medical care, have higher a higher level of illnesses and great morbidity and mortality than younger persons. Failure to understand the special needs and different diseases presentation of the elderly can result in mistakes in the medical assessment and harm the patient.

## Course Objectives

Objectives	
Objective 1	Discuss and recognize communication challenges in the older person, including visual, hearing, speech, and disease processes that affect communication.
Objective 2	Understand the differences between physiological aging and illness.
Objective 3	Discuss gerontology, geriatrics, and the historical view of aging.
Objective 4	Recognize the impact of polypharmacy, medications nonadherence, and dosing errors on the older patient population

## Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Identify the changes that occur with aging
Outcome 2	Identify the signs of elder abuse and neglect
Outcome 3	Apply knowledge of the assessment of the older patient
Outcome 4	Describe and discuss mobile integrated healthcare
Outcome 5	Describe and discuss the sociology and aging

## Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Discussion	Instructor lead discussion groups where students analyze and interpret case studies for patient conditions
Participation	Instructor-guided online discussion forums on the assessment of older patients, end-of-life care, elder abuse, psychosocial aspects of aging, and disasters and older people.
Individualized Study	Self-study activities were completed online and followed by instructor lead discussions

Lecture	The reading of geriatric emergency texts in a class by instructors and students, followed by instructor-guided interpretation
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### Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Tests/Quizzes/Examinations	Evaluation of content, terminology, and knowledge of the subject matter	In Class Only
Mid-term and final evaluations	Evaluation of content, terminology, and knowledge of the subject matter	In Class Only
Written homework	Evaluation of correct assessment and treatment modalities applications of medical adjuncts, and medication administration	Out of Class Only
Student participation/contribution	Evaluation of participation and contributions during class	In and Out of Class
Term or research papers	Evaluation of content, terminology, and knowledge of the subject matter	Out of Class Only

### Assignments

#### Other In-class Assignments

1. Quizzes (15)
2. Midterm (1)
3. Final exam (1)
4. Participation
5. Group discussions

#### Other Out-of-class Assignments

1. Reading assigned material (15 chapters, one chapter per week)
2. Complete review questions for each chapter (15 chapters)
3. Complete discussion questions and replies assigned (1 per week)

#### Grade Methods

Letter Grade Only

### Distance Education Checklist

Include the percentage of online and on-campus instruction you anticipate.

#### Online %

50

#### On-campus %

50

### Instructional Materials and Resources

If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?

No

### Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

#### Within Course Management System:

- Discussion forums with substantive instructor participation
- Online quizzes and examinations
- Private messages
- Regular virtual office hours

Timely feedback and return of student work as specified in the syllabus  
Weekly announcements

**External to Course Management System:**

Direct e-mail  
Posted audio/video (including YouTube, 3cm mediasolutions, etc.)  
Telephone contact/voicemail

**For hybrid courses:**

Orientation, study, and/or review sessions

**Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.**

Office hours and emails

**Other Information****MIS Course Data****CIP Code**

51.0904 - Emergency Medical Technology/Technician (EMT Paramedic).

**TOP Code**

125000 - Emergency Medical Services

**SAM Code**

C - Clearly Occupational

**Basic Skills Status**

Not Basic Skills

**Prior College Level**

Not applicable

**Cooperative Work Experience**

Not a Coop Course

**Course Classification Status**

Credit Course

**Approved Special Class**

Not special class

**Noncredit Category**

Not Applicable, Credit Course

**Funding Agency Category**

Not Applicable

**Program Status**

Program Applicable

**Transfer Status**

Not transferable

**General Education Status**

Y = Not applicable

**Support Course Status**

S = Course is a support course

**Allow Audit**

No

**Repeatability**

No

**Materials Fee**

No

**Additional Fees?**

No

**Approvals****Curriculum Committee Approval Date**

04/05/2022

**Academic Senate Approval Date**

04/28/2022

**Board of Trustees Approval Date**

06/16/2022

**Chancellor's Office Approval Date**

06/18/2022

**Course Control Number**

CCC000632410