Special Population (EMSP 2330_6A1)

INSTRUCTOR CONTACT INFORMATION

Instructor:	Danielle Clary
Email:	Hmorris@lit.edu
Office Phone:	409-247-8752
Office Location:	MPC 255
Office Hours:	Upon Request

CREDIT
3 Semester Credit Hours (2 hours lecture, 2 hours lab)

MODE OF INSTRUCTION
Hybrid

PREREQUISITES:
- EMT-Basic certification
- EMSP 1338
- EMSP 1356
- EMSP 2237
- EMSP 2206
- BIOL 2404
- EMSP 1455
- EMSP 2262
- EMSP 2444

CO-REQUISITES:
- EMSP 2205
- EMSP 2243
- EMSP 2330
- EMSP 2434

COURSE DESCRIPTION
Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, geriatrics, and other related topics.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to:

Approved: Initials/date

- Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for diverse patients with special challenges and abuse and assault patients.
- Apply an understanding of the anatomy and physiology of the female reproductive system to the assessment and management of a patient experiencing normal or abnormal labor.
- Utilize gynecological principles and assessment findings to formulate a field impression and implement the management plan for the patient experiencing a gynecological emergency.
- Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for a neonatal patient.
- Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the pediatric patient.
- Integrate the pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the geriatric patient.
- 1Curriculum based on National Highway Traffic Safety Administration: National EMS Education Standards
- Integrate the assessment findings to formulate a field impression and implement a treatment plan for the patient who has sustained abuse or assault.
- Integrate pathophysiological and psychosocial principles to adapt the assessment and treatment plan for diverse patients and those who face physical, mental, social and financial challenges.
- Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the acute deterioration of the chronically ill patient.

REQUIRED TEXTBOOK AND MATERIALS

EMS Program Student Handbook
Nancy Caroline's Emergency Care in the Streets 9th, ISBN: 9781284274004
Platinum Planner
EMS Testing

ATTENDANCE POLICY
Three absences are allowed. If a student is tardy to class or departs early two (2) times, it will be equal to one (1) absence. Each absence beyond three absences will result in a 5 point deduction from your final grade.

DROP POLICY
If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
Week 1	Obstetrics	09/01/2024	
Week 2	Obstetrics	09/08/2024	Chapter 41 Quiz
Week 3	Neonatal Care	09/15/2024	
Week 4	Neonatal Care	09/22/2024	
Week 5	Neonatal Care	09/29/2024	
Week 6	Neonatal Care	10/06/2024	Chapter 42 Quiz
Week 7	Pediatric Emergencies	10/13/2024	
Week 8	Pediatric Emergencies	10/20/2024	
Week 9	Pediatric Emergencies	10/27/2024	
Week 10	Pediatric Emergencies	11/03/2024	Chapter 43 Quiz
Week 11	Geriatric Emergencies	11/10/2024	
Week 12	Geriatric Emergencies	11/17/2024	
Week 13	Geriatric Emergencies	11/24/2024	Quiz
Week 14	Patients with Special Challenges	12/01/2024	
Week 15	Patients with Special Challenges	12/08/2024	Quiz
Week 16	**FINAL**	12/10/2024	**FINAL**

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Affective Evaluation	10%
Chapter Quiz	30%
Module Exam	30%
Final Exam	30%

GRADE SCALE

90 – 100	A
84 – 89	B
75 – 83	C
70 – 74	D
0 – 69	F

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION
- Computers, telephones, headphones, and any other electronic devices must be turned off while in class or used only with permission of the instructor.
- Do not bring children to class.
- Late assignments will be accepted on a case by case basis.
- Tests. Students that miss a test are not allowed to make up the test. Students that miss a test will receive a grade of '0'.
- If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an 'F' in the course.
- Additional class policies as defined by the EMS Program Student Handbook.

Course Outline
A. Welcome to LIT EMS Program
   1. Introduction of EMS Staff, Instructors and students
   2. EMS program policies

B. Obstetrics
   1. Anatomy and Physiology of the Female Reproductive System
   2. Conception and Fetal Development
   3. Physiologic Maternal Changes During Pregnancy
   4. Cultural Value Considerations
   5. Patient Assessment
   6. Scene Size-up
   7. Primary Assessment
   8. History Taking
   9. Secondary Assessment
   10. Reassessment
   11. Pathophysiology, Assessment, and Management of Complications Related to Pregnancy
   12. Pathophysiology, Assessment, and Management of Bleeding Related to Pregnancy
   13. Normal Childbirth
   14. Emergency Pharmacology in Pregnancy
   15. Pathophysiology, Assessment, and Management of Complications of Labor
   16. Pathophysiology, Assessment, and Management of High Risk Pregnancy Considerations
   17. Pathophysiology, Assessment, and Management of Complications of Delivery
   18. Pathophysiology, Assessment, and Management of Postpartum Complications
   19. Trauma and Pregnancy

C. Neonatal Care
   1. General Pathophysiology and Assessment
   2. Specific Interventions and Resuscitation

3. Pharmacologic Interventions
4. Family and Transport Considerations
5. Pathophysiology, Assessment, and Management of Specific Conditions
6. Pathophysiology, Assessment, and Management of Conditions Related to Thermoregulation
7. Pathophysiology, Assessment, and Management of Common Birth Injuries in the Newborn
8. Pathophysiology, Assessment, and Management Cardiac Complications in Newborns

D. Pediatric Emergencies
1. Developmental Stages
2. Pediatric Anatomy, Physiology, and Pathophysiology
3. Parents of Ill or Injured Children
4. Pediatric Patient Assessment
5. Scene Size-up
6. Primary Assessment
7. History Taking
8. Secondary Assessment
9. Pathophysiology, Assessment, and Management of Respiratory Emergencies
10. Pathophysiology, Assessment, and Management of Shock
11. Pathophysiology, Assessment, and Management of Cardiovascular Emergencies
12. Pathophysiology, Assessment, and Management of Neurological Emergencies
13. Pathophysiology, Assessment, and Management of Gastrointestinal Emergencies
14. Pathophysiology, Assessment, and Management of Endocrine Emergencies
15. Pathophysiology, Assessment, and Management of Hematologic, Oncologic, and Immunologic Emergencies
16. Pathophysiology, Assessment, and Management of Toxicologic Emergencies
17. Pathophysiology, Assessment, and Management of Psychiatric and Behavioral Emergencies
18. Pathophysiology, Assessment, and Management of Fever Emergencies
19. Child Abuse and Neglect
20. Sudden Infant Death Syndrome
21. Apparent life-Threatening Event
22. Pathophysiology, Assessment, and Management of Pediatric Trauma Emergencies
23. Pathophysiology, Assessment, and Management of Burns
24. Children with Special health Care Needs
25. An ounce of Prevention

E. Geriatric Emergencies
1. Geriatric Anatomy and Physiology
2. Scene Size-up
3. Primary Assessment

4. History Taking
5. Secondary Assessment
6. Reassessment
7. Pathophysiology, Assessment, and Management of Respiratory Conditions
8. Pathophysiology, Assessment, and Management of Cardiovascular Conditions
9. Pathophysiology, Assessment, and Management of Neurological Conditions
10. Pathophysiology, Assessment, and Management of Renal Conditions
11. Pathophysiology, Assessment, and Management of Endocrine Conditions
12. Pathophysiology, Assessment, and Management of Immunologic Conditions
13. Pathophysiology, Assessment, and Management of Toxicologic Conditions
14. Pathophysiology, Assessment, and Management of Psychological Conditions
15. Pathophysiology, Assessment, and Management of Integumentary Conditions
16. Pathophysiology, Assessment, and Management of Musculoskeletal Conditions
17. Management of Medical Emergencies in Elderly People
18. Pathophysiology, Assessment, and Management of Geriatric Trauma Emergencies
19. Elder Abuse
20. End-of-Life Care

F. Patients with Special Challenges
1. EMS, Health Care, and Poverty
2. Care of Patients with Suspected Abuse and Neglect
3. Care of patients with Terminal Illness
4. Care of Bariatric Patients
5. Care of patients with Communicable Diseases
6. Medical Technology in the Pre-Hospital Setting
7. Care of Patients with Cognitive, Sensory, or Communication Impairment
8. Other Notable Chronic Medical Conditions