EMSP 2330
Course Syllabi

Special Population (EMSP 2330)

Credit
- 3 semester credit hours (2 hours lecture, 2 hours lab)

Prerequisite
- EMT-Basic certification

Co-requisite
- EMSP 1173
- EMSP 2137
- EMSP 2243
- EMSP 2434
- EMSP 2265

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.

Required Textbooks and Materials
- EMS Program Student Handbook
- Nancy Caroline's Emergency Care in the Streets 8th
  - ISBN 13: 9781284137187

Course Objectives[1]
Upon completion of this course, the student will be able to:
- Demonstrate how to listen to fetal heart sounds.
- Demonstrate the procedure to assist in normal cephalic delivery.
- Demonstrate care procedures of the infant as the head appears during delivery.
- Demonstrate the steps to follow in post-delivery care of the infant.
- Demonstrate how to cut and tie the umbilical cord.
- Demonstrate how to assist in the delivery of the placenta.
- Demonstrate the post-delivery care of the mother.
- Describe how to assist with a breech delivery in the field.
- Describe how to assist with shoulder dystocia in the field.
- List the steps to neonatal resuscitation.
- Describe the technique for performing endotracheal intubation in a neonate.
- Describe the technique for inserting an orogastric tube in a newborn.
- Explain how to perform chest compressions on a neonate.
- Describe the technique for cannulating the umbilical vein in a newborn.

[1]Curriculum based on National Highway Traffic Safety Administration: National EMS Education Standards

- Demonstrate the steps for inserting an oropharyngeal airway in a child.
- Demonstrate the steps for inserting a nasopharyngeal airway in a child.
- Demonstrate how to perform bag-mask ventilation for an infant or child.
- Demonstrate how to perform endotracheal intubation of a pediatric patient.
- Describe how to insert an orogastric tube and a nasogastric tube in a pediatric patient, including how to prepare the patient and the equipment and how to assess the placement of the tubes.
- Demonstrate how to establish intraosseous access in pediatric patients.
- Demonstrate how to perform needle decompression in a pediatric patient.
- Demonstrate how to immobilize a child who has been involved in a trauma emergency.
- Demonstrate how to immobilize an infant who has been in a trauma emergency.
- Demonstrate how to suction and clean a tracheostomy.
- Demonstrate how to replace an ostomy device.
- Demonstrate how to catheterize an adult male patient.
- Demonstrate how to catheterize an adult female patient.

Course Outline

A. Obstetrics
    1. Normal Childbirth
    2. Management of Complications of Labor
    3. Management of High Risk Pregnancy Considerations
    4. Management of Complications of Delivery
    5. Management of Postpartum Complications
    6. Trauma and Pregnancy

B. Neonatal Care
    1. Management of Specific Conditions
    2. Management of Conditions Related to Thermoregulation
    3. Management of Common Birth Injuries in the Newborn
    4. Management Cardiac Complications in Newborns

C. Pediatric Emergencies
    1. Management of Respiratory Emergencies
    2. Management of Shock
    3. Management of Cardiovascular Emergencies
    4. Management of Neurological Emergencies
    5. Management of Gastrointestinal Emergencies
    6. Management of Endocrine Emergencies
    7. Management of Hematologic, Oncologic, and Immunologic Emergencies
    8. Management of Toxicological Emergencies
    9. Management of Psychiatric and Behavioral Emergencies
    10. Management of Fever Emergencies

11. Management of Pediatric Trauma Emergencies
12. Management of Burns

D. Geriatric Emergencies
   1. Management of Respiratory Conditions
   2. Management of Cardiovascular Conditions
   3. Management of Neurological Conditions
   4. Management of Renal Conditions
   5. Management of Endocrine Conditions
   6. Management of Immunologic Conditions
   7. Management of Toxicologic Conditions
   8. Management of Psychological Conditions
   9. Management of Integumentary Conditions
   10. Management of Musculoskeletal Conditions
   11. Management of Medical Emergencies in Elderly People
   12. Management of Geriatric Trauma Emergencies

E. Patients with Special Challenges
   1. Management of Patients with Suspected Abuse and Neglect
   2. Management of patients with Terminal Illness
   3. Management of Bariatric Patients
   4. Management of patients with Communicable Diseases
   5. Management of Patients with Cognitive, Sensory, or Communication Impairment

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

Course Evaluation
Final grades will be calculated according to the following criteria:

1. Skills Performance Sheet   80%
2. Affective Evaluation   20%

Course Policies
1. No food, drinks, or use of tobacco products in class.
2. Computers, telephones, headphones, and any other electronic devices must be turned off while in class or used only with permission of the instructor.
3. Do not bring children to class.
4. No late assignments will be accepted.

5. Attendance Policy. Three absences are allowed. If a student is tardy to class or departs early three (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.
6. 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.
7. Additional class policies as defined by EMS Program Student Handbook.
8. Lab Skill Sheets
    a. Each specific lab skill sheet will be assigned a minimal points required to pass the specific skill.
    b. Each specific lab skill sheet will be assigned "Critical Criteria" which must be met in order to pass the skill.
    c. Each specific lab skill sheet must have a letter score of "C" or better and all critical criteria must be met in order for that lab skill to be accepted.
9. All lab skills are required to be passed the number of times assigned to each specific lab skill.

Lab Skills Required

Skill	Peer to Peer Required	Instructor Required
Abnormal Delivery w/Newborn Care	3	2
Comprehensive Normal Pediatric Physical Assessment Techniques	3	2
Direct Orotracheal Intubation Peds	3	2
Normal Delivery w/Newborn Care	3	2
Scenario Team Leads Pediatric	0	3
Intranasal Medication Administration	5	2

Technical Requirements (for courses using Blackboard)
The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:
https://help.blackboard.com/en-us/Learn/9.1_2014_04/Student/015_Browser_Support/015_Browser_Support_Policy A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

Disabilities Statement
The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or

visit the office in Student Services, Cecil Beeson Building. You may also visit the online resource at http://www.lit.edu/depts/stuserv/special/defaults.aspx

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 or obtained in print upon request at the Student Services Office. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document