Emergency Procedures II EMSP 2237 (Lab)

INSTRUCTOR CONTACT INFORMATION

Instructor: Heather Danielle Clary

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Office Phone: 409-247-5090

Office Location: MPC 245

Office Hours: Upon Request

CREDIT

2 Semester Credit Hours (0 hours lecture, 4 hours lab)

MODE OF INSTRUCTION

Face to Face, Online or Hybrid

PREREQUISITE/CO-REQUISITE:

- EMSP 2243
- EMSP 2261
- EMSP 2365

COURSE DESCRIPTION

Application of emergency medical procedures.

COURSE OBJECTIVES

Course Objectives[1]

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

- Integrate theory and skills mastered in other courses; and demonstrate comprehensive problem-solving techniques.
- Safely and effectively perform all psychomotor skills within the National EMS Scope of Practice Model and state scope of practice at the Paramedic level
- Manage a cardiovascular patient according to the American Heart Association (AHA) guidelines.
- Manage a pediatric and a neonatal patient according to the American Heart Association (AHA) guidelines.
- Demonstrate a working knowledge of clinical information and related topics relevant to pediatric emergencies.
- Demonstrate the ability to completely and proficiently perform all applicable skills;
- Demonstrate attitudes and behavior consistent with the ethics and professionalism expected in pediatric specialties.

[1] Curriculum based on the National EMS Education Standards set by the United States Department of Transportation (DOT).

Approved: Initials/date

REQUIRED TEXTBOOK AND MATERIALS

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

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.

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	SKILLS		
2	SKILLS		
3	SKILLS		
4	SKILLS		
5	SKILLS		
6	SKILLS		
7	SKILLS		
8	SKILLS		
9	SKILLS		

10	SKILLS		
11	SKILLS		
12	SKILLS		
13	SKILLS		
14	SKILLS		
15	SKILLS		
16	SKILLS		

COURSE EVALUATION

Final grades will be calculated according to the following criteria:
Psychomotor Examinations 40% PALS
Examination 30%
ACLS Examination 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-computerrequirements. 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.

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

Course Policies

1. See specific course policies in the EMS Program Student Handbook.
2. 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.
3. All lab skills are required to be passed the number of times assigned to each specific lab skill.

- Individual Student Competency Evaluation in the Laboratory o Lab skills are assigned a minimal number of times that the lab skill must be performed successfully while being evaluated by peers (P2P), and while being evaluated by lab instructors.
- Individual Student Competency Evaluation in a laboratory Scenario.
    o Lab skills are assigned a minimal number of times that the skill will be performed successfully in a scenario designed for that skill.

Course Outline

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

B. Advanced Level Psychomotor Examinations
    1. The psychomotor section of the examination process consists of six (6) separate skills presented in a scenario-type format to approximate the abilities of the Paramedic (NRP) to function in the out-of-hospital setting. All skills have been developed in accordance with the 2009 National EMS Education Standards and Instructional Guidelines for EMT and Paramedic, and current AHA guidelines.
        a. Dynamic Cardiology
        b. Integrated Out-Of-Hospital Scenario
        c. Oral Station A
        d. Oral Station B
        e. Patient Assessment – Trauma
        f. Static Cardiology

C. Pediatric Advanced Life Support (PALS)
1. Introduction to PALS
   a. PALS course Overview
   b. Overview of PALS science
2. Start initial competency practice and testing
   a. CPR/AED practice and competency testing
   b. Rhythm Disturbances/Electrical Therapy Skills
3. Core Case Simulations (Cardiac)
   a. Cardiac Cases 1 and 2
4. Overview of Pediatric Assessment
   a. Overview of Core Case Discussions and Simulations
5. Core Case Simulations (Cardiac continued)
   a. Cardiac cases 3 and 4
6. Core Case Simulations (Respiratory)
   a. Core Case Simulations Respiratory Cases 1 and 2
7. Core Case Simulations (Respiratory Continued)
   a. Core Case Simulations Respiratory Cases 3 and 4
8. Core Case Simulations (Shock)
   a. Core Case Simulations Shock Cases 1 and 2
9. Core Case Simulations (Shock continued)
   a. Core Case Simulations Shock Cases 3 and 4
10. Putting it all together
   a. Course summary and testing details
11. PALS Written Test
   a. Remediation (for those that score less than 84%).

D. Advanced Cardiac Life Support
1. Essentials of ACLS
   a. Managing a cardiac arrest
   b. Teamwork
2. Adjuncts for Airway Control, Ventilation, and Oxygenation
   a. Airway Management
   b. Proper Ventilation techniques
   c. Proper use of airway adjuncts
3. Defibrillation
   a. The defibrillation function
      a) Indications
      b) Contraindications
      c) Power settings
      d) Different Defibrillation Devices
      e) Safety in defibrillation
   b. Cardiac Pacing
      a) Indications
      b) Contraindications

c) Power Settings
d) Rhythm Capture
e) Precautions

c. Cardiovascular Pharmacology
a) The heart's reaction to the actions of medications

4. Myocardial Infarction
a. Signs, Symptoms, and Treatment
b. Scenario Training for managing Cardiac Arrest

5. Special Resuscitation Situations
a. Resuscitation of the Pregnant patient
b. DNR Orders

6. Adjuncts for Artificial Circulation
7. Invasive Monitoring Techniques
8. Invasive Therapeutic Techniques
9. Cerebral Resuscitation: Treatment of the Brain after Cardiac Arrest
10. Ethical Aspects of CPR
11. ACLS Written Test
a. Remediation (for those that score less than 84%).