



**LAMAR INSTITUTE  
OF TECHNOLOGY**

## Emergency Procedure II EMSP 2237

### **INSTRUCTOR CONTACT INFORMATION**

Instructor: Misti Dearing  
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Office Location: MPC 255  
Office Hours: Upon Request

### **CREDIT**

1 Semester Credit Hours (Lec hours lecture, 4 hours lab)

### **MODE OF INSTRUCTION**

Face to Face

### **PREREQUISITE/CO-REQUISITE:**

Prerequisite

- EMT-Basic certification

Co-requisite

- EMSP 2143
- EMSP 2434
- EMSP 2330

### **COURSE DESCRIPTION**

Application of emergency medical procedures.

### **COURSE OBJECTIVES**

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

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%).

#### **REQUIRED TEXTBOOK AND MATERIALS**

EMS Program Student Handbook

- AHA Advanced Cardiac Life Support ISBN-13: 978-1616690106
- AHA Pediatric Advanced Life Support ISBN-13: 978-1616691127
- Stethoscope
- Pen light
- BP cuff

#### **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 by the specified drop date as listed on the [Academic Calendar](#). If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

#### **STUDENT EXPECTED TIME REQUIREMENT**

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

**COURSE CALENDAR**

<b>DATE</b>	<b>TOPIC</b>	<b>READINGS (Due on this Date)</b>	<b>ASSIGNMENTS (Due on this Date)</b>
	Skills schedule determined by the needs of the student		

**COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

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Psychomotor Examinations 40%

PALS Examination

ACLS Examination 30% 30%

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**GRADING SCALE**

90 – 100 A

84 – 89 B

75 – 83 C

70 – 74 D

0 – 69 F

LIT does not use +/- grading scales

### **ACADEMIC DISHONESTY**

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at <http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty>.

### **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](mailto: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](http://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**

1. Computers, telephones, headphones, and any other electronic devices must be turned off while in class or used only with permission of the instructor.
2. Do not bring children to class.
3. Late assignments will be accepted on a case by case basis.
4. 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'.
5. 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.
6. Additional class policies as defined by the EMS Program Student Handbook.