



## Introduction to Advanced Practice EMSP 1338

### **INSTRUCTOR CONTACT INFORMATION**

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Office Phone: 409-247-5090

Office Location: MPC 245

Office Hours: Upon Request

### **CREDIT**

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

### **MODE OF INSTRUCTION**

Face to Face

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

EMT- Basic Certification

### **COURSE DESCRIPTION**

Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and related topics.

### **COURSE OBJECTIVES**

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

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

- Integrate comprehensive knowledge of EMS systems, the safety and well- being of the paramedic, and medical- legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.
- Fundamental depth, foundational breath of history of EMS.
- - Complex depth, comprehensive breath of EMS systems to include
    - EMS systems
    - Roles/responsibilities/professionalism of EMS personnel
    - Quality improvement
    - Patient safety
- Fundamental depth, foundational breadth of EMS research to include;
  - Research principles to interpret literature and advocate evidence-based practice.

- Complex depth, comprehensive breadth of workforce safety and wellness to include;
  - Provider safety and well-being
  - Standard safety precautions
  - Personal protective equipment
  - Stress management
  - Dealing with death and dying
  - Prevention of work related injuries
  - Lifting and moving patients
  - Disease transmission
  - Wellness principles.
- Complex depth, comprehensive breadth of documentation to include;
  - Principles of medical documentation and report writing.
- Complex depth, comprehensive breadth of EMS systems communication to include;
  - EMS communications system
  - Communication with other health care professionals
  - Team communication and dynamics
- Complex depth, comprehensive breadth of therapeutic communications with patients in a manner that achieves a positive relationship to include;
  - Factors that affect communications
  - Interviewing techniques
  - Dealing with difficult patients
  - Adjusting communications strategies for age, stage of development, patients with special needs, and differing cultures.
- Complex depth, comprehensive breadth in medical/legal and ethics to include;
  - Consent/refusal of care
  - Confidentiality
  - Advanced directives
  - Tort and criminal actions
  - Statutory responsibilities
  - Mandatory reporting
  - Health care regulation
  - Patient rights/advocacy
  - End-of-life issues
  - Ethical principles/moral obligations
  - Ethical test and decision making
- Complex depth, comprehensive breadth of medication administration to include;
  - Routes of administration
  - Within the scope of practice of the paramedic, administer medications to a patient.

## Course Outline

- A. Introduction to Paramedicine
  - 1. Introduction
  - 2. Expanded Scope of Practice
- B. EMS Systems
  - 1. History of EMS
  - 2. Today's EMS Systems
- C. Roles and Responsibilities of The Paramedic
  - 1. Primary Responsibilities
  - 2. Additional Responsibilities
  - 3. Professionalism
- D. Workforce Safety and Wellness
  - 1. Prevention of Work-Related Injuries
  - 2. Basic Physical Fitness
  - 3. Personal Protection from Disease
  - 4. Death and Dying
  - 5. Stress and Stress Management
  - 6. General Safety Considerations
- E. EMS Research
  - 1. Research and the Scientific Method
  - 2. Types of Research
  - 3. Experimental Design
  - 4. Ethical Considerations in Human Research
  - 5. An Overview of Statistics
  - 6. Format of a Research Paper
  - 7. How a Research Paper is Published
  - 8. Accessing the Scientific Literature
  - 9. What to Look for When Reviewing a Study
  - 10. Applying Study Results to your Practice
  - 11. Participating in Research
  - 12. Evidence-Based Decision Making
- F. Public Health
  - 1. Basic Principles of Public Health
  - 2. Accomplishments in Public Health
  - 3. Public Health Laws
  - 4. Epidemiology
  - 5. Public Health and EMS
  - 6. Prevention in the Community
- G. Medical/ Legal Aspects of Prehospital Care
  - 1. Legal Duties and Ethical Responsibilities
  - 2. Legal Accountability of the Paramedic
  - 3. Paramedic-Patient Relationships
  - 4. Resuscitation Issues
  - 5. Crime and Accident Scenes
  - 6. Duty to Report
  - 7. Documentation
  - 8. Employment Laws

- H. Ethics in Paramedicine
  - 1. Overview of Ethics
  - 2. Ethical Issues in Contemporary Paramedic Practice
- I. EMS System Communications
  - 1. Effective Communications
  - 2. Basic Communications
  - 3. Verbal Communications
  - 4. Written Communications
  - 5. Terminology
  - 6. The Importance of Communication in EMS Response
  - 7. Information and Communication Technology
  - 8. Public Safety Communications System Planning and Funding
  - 9. Public Safety Communications Regulation
- J. Documentation
  - 1. Uses for Documentation
  - 2. General Considerations
  - 3. Elements of Good Documentation
  - 4. Narrative Writing
  - 5. Special Considerations
  - 6. Consequences of Inappropriate Documentation
  - 7. Electronic Patient Care Reports
- K. Intravenous Access and Medication Administration
  - 1. Principles and Routes of Medication Administration
  - 2. Intravenous Access, Blood Sampling, and Intraosseous Infusion
  - 3. Medical Mathematics

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

- EMS Program Student Handbook
- Nancy Caroline's Emergency Care in the Streets 9th
  - a. ISBN: 9781284137187
- FISDAP

#### **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

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
1/17	Skills		
1/19	Skills		
1/24	EMS System	1/23	1/23
1/25	Workforce Safety and Wellness	1/24	1/24
1/31	Public Health	1/29	1/29
2/2	Public Health	2/1	2/1
2/7	Medical Legal and Ethical Issues	2/6	2/6
2/9	Medical Legal and Ethical Issues	2/8	2/8
2/14	Medical Legal and Ethical Issues	2/13	2/13
2/16	Communication	2/15	2/15
2/21	Communication		
2/23	Documentation		
2/28	Documentation		
3/2	Medical Terminology	3/1	3/1
3/7	MIDTERM		
3/9	SKILLS		
3/21	Anatomy and Physiology	3/20	3/20
3/23	Anatomy and Physiology		
3/28	Anatomy and Physiology	3/27	3/27
3/30	Anatomy and Physiology		
4/4	Anatomy and Physiology		
4/6	Anatomy and Physiology	4/5	4/5
4/11	Pathophysiology	4/10	4/10
4/13	Pathophysiology		
4/18	Pathophysiology	4/17	4/17
4/20	Pathophysiology		
4/25	Pathophysiology	4/24	4/24
4/27	Life Span Development	4/26	4/26
5/2	Life Span Development		
5/4	Life Span Development		
5/9	FINAL		

5/11	FINAL		
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### **COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

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Assignments/Quizzes	30%
Mid-Term Exam	25%
Final Exam	30%
Affective Evaluation	15%

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### **GRADING SCALE**

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	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 \(lit.edu\)](http://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**

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