



## Introduction to Advanced Practice EMSP 1338 (Lecture)

### Credit

- 3 Credit Hours; 2 Lecture Hours

### Prerequisite

- EMT-Basic certification

### Co-requisite

- EMSP 1355
- EMSP 1356
- EMSP 2205
- EMSP 2137

### Course Description

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

### Required Textbook and Materials

- EMS Program Student Handbook
- Nancy Caroline's Emergency Care in the Streets 8th  
a. ISBN: 9781284137187
- FISDAP

### Course Objectives

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

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- 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

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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

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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

### Grade Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 69	F

### Course Evaluation

Final grades will be calculated according to the following criteria:

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

### Course Policies

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. 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.
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 the EMS Program Student Handbook.

### **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-](https://help.blackboard.com/en-us/Learn/9.1_2014_04/Student/015_Browser_Support/015_Browser_Support_Policy)

[us/Learn/9.1\\_2014\\_04/Student/015\\_Browser\\_Support/015\\_Browser\\_Support\\_Policy](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 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)839-2018. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](http://www.lit.edu/special-populations)

### **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) 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