EMS Operations (EMSP 2205)

Credit
- 2 semester credit hours (1 hours lecture, 3 hours lab)

Prerequisite
- EMT-Basic certification

Co-requisite
- EMSP 1172
- EMSP 2444
- EMSP 2264

Course Description
Knowledge and skills to safely manage multi-casualty incidents and rescue situations utilize air medical resources; identify hazardous materials and other specialized incidents.

Required Textbook 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 knowledge of operational roles and responsibilities to ensure patient, public, and personnel safety.
- Integrate the principles of general incident management and multiple casualty incident management techniques in order to function effectively at major incidents.
- Integrate the principles of rescue awareness and operations to safely rescue a patient from water, hazardous atmospheres, trenches, highways, and hazardous terrain.
- Evaluate hazardous materials emergencies, call for appropriate resources, and work in the cold zone.
- Maintain an awareness of the human hazard of crime and violence and the safe operation at crime scenes and other emergencies.

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

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[1] Curriculum based on Department of Transportation National Standard Curriculum

B. Transport Operations
   1. Emergency Vehicle Design
   2. Emergency Vehicle Equipment
   3. Checking the Emergency Vehicle
   4. Emergency Vehicle Staffing and Development
   5. Mitigating Hazards Throughout the Call
   6. Defensive Emergency Vehicle Driving Techniques
   7. Air Medical Transport
C. Incident Management
   1. The NIMS
   2. The Incident Command System
   3. EMS Response within the Incident
   4. Medical Incident Command
   5. Mass-Casualty Incidents
   6. Triage
   7. Critical Incident Stress Management
D. Vehicle Extrication and Special Rescue
   1. Rescue Training
   2. Guidelines for Rescue Operations
   3. Steps in Special Rescue
   4. Vehicle Extrication
   5. Additional Specialized Rescue Situations
   6. Patient Care
E. Hazardous Materials
   1. Regulations and Standards
   2. Paramedics and Hazardous Materials Incidents
   3. Scene Size-up
   4. Contamination and Toxicology
   5. Decontamination and Treatment
   6. Medical Monitoring and Rehabilitation
F. Terrorism Response
   1. Terrorism
   2. Paramedic Response to Terrorism
   3. Weapons of Mass Destruction
   4. Chemical Agents
   5. Biologic Agents
   6. Radiologic or Nuclear Devices
   7. Explosive and Incendiary Weapons
G. Disaster Response
   1. Disaster Response Planning
   2. Natural Disasters
   3. Man-Made Disasters
H. Crime Scene Awareness
   1. Awareness
   2. Highway and Rural Road Incidents
   3. Residential Incidents

4. Violence on the Streets
5. Cover and Concealment
6. Self-Defense
7. Crime Scenes

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:

Affective Evaluation	10%
Chapter Quiz	20%
Module Exam	20%
Mid-Term Exam	25%
Final Exam	25%

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

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 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)](https://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 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