

Introduction to Advanced Practice EMSP 1355 (Lab)



Credit

- 3 Credit Hours; 2 Lab Hours

Prerequisite

- EMT-Basic certification

Co-requisite

- EMSP 1338
- EMSP 1356
- EMSP 2205
- EMSP 2137

Course Description

Integrate the pathophysiological assessment findings to formulate a field impression; implement the treatment plan for the trauma patient; and integrate multiple determinants of trauma conditions into clinical care.

Required Textbook and Materials

- EMS Program Student Handbook
- Nancy Caroline's Emergency Care in the Streets
 - a. ISBN: 978-0-13-211233-8
- FISDAP

Course Objectives¹

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

- Use universal precautions and body substance isolation (BSI) procedures during medication administration.
- Demonstrate the assessment and management of a patient with signs and symptoms of external hemorrhage.
- Demonstrate how to apply a commercial tourniquet.
- Demonstrate the assessment and management of a patient with signs and symptoms of internal hemorrhage.
- Demonstrate the assessment and management of a patient experiencing hemorrhagic shock.
- Demonstrate the assessment and management of a patient with signs and symptoms of soft-tissue injuries.
- Demonstrate how to care for a burn.
- Demonstrate the emergency medical care of a patient with a thermal burn.
- Demonstrate the emergency medical care of a patient with a thermal inhalation burn.

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

EMSP 1355
Course Syllabi

- Demonstrate the emergency medical care of a patient with a chemical burn of the skin.
- Demonstrate the emergency medical care of a patient with an inhalation burn from other toxic chemicals.
- Demonstrate the emergency medical care of a patient with a chemical burn of the eye.
- Demonstrate the emergency medical care of a patient with an electrical burn.
- Demonstrate the emergency medical care of a patient with a radiation burn.
- Demonstrate the care of a patient who has a penetrating eye injury.
- Demonstrate the stabilization of a foreign object that has impaled the eye.
- Demonstrate irrigation of a patient's eye using a nasal cannula, bottle, or basin.
- Demonstrate how to control bleeding from a neck injury.
- Demonstrate how to remove a helmet from a patient with a suspected head or spinal injury.
- Describe the steps to take in the assessment of a patient with suspected chest trauma.
- Demonstrate the management of a patient with a tension pneumothorax using needle decompression.
- Demonstrate proper emergency medical care of a patient who has experienced a blunt abdominal injury.
- Demonstrate how to apply a dressing to an abdominal evisceration wound.
- Demonstrate proper emergency care of a patient who has a penetrating abdominal injury with an impaled object.
- Demonstrate how to treat a patient with heat cramps.
- Demonstrate how to treat a patient with heat exhaustion.
- Demonstrate how to treat a patient with heatstroke.

Course Outline

- A. Bleeding
 - 1. Managing External Hemorrhage
 - 2. Applying a Commercial Tourniquet
 - 3. Managing Internal Hemorrhage
- B. Soft-Tissue Injuries
 - 1. Bandaging and Dressings
- C. Burns
 - 1. Burn Dressing
 - 2. Parkland Burn Formula
- D. Face and Neck Trauma
 - 1. Managing Bleeding Neck Injuries
- E. Head and Spine Trauma
 - 1. Spinal immobilization
 - 2. Helmet Removal
- F. Chest Trauma
 - 1. Needle Decompression
- G. Abdominal and Genitourinary Trauma

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Course Syllabi

- 1. Evisceration Injuries
- H. Orthopaedic Trauma
 - 1. Splinting
- I. Environmental Emergencies
 - 1. Managing Heat Related Injuries.

Grade Scale

| | |
|--------|---|
| 90-100 | A |
| 84-89 | B |
| 75-89 | C |
| 70-74 | D |
| 0-69 | F |

Course Evaluation

Final grades will be calculated according to the following criteria:

- | | |
|-----------------------------|-----|
| 1. Skills Performance Sheet | 80% |
| 2. Affective Evaluation | 20% |

Course Policies

1. 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.
2. 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.
3. Additional class policies as defined by EMS Program Student Handbook.
4. 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.
5. 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
 - 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.
 - Lab skills are assigned a minimal number of times that the skill will be performed successfully in a scenario designed for that skill.

Lab Skills Required

| Skill | P2P | Instructor | Scenario |
|--------------------------------------|-----|------------|----------|
| Trauma Adult Physical Assessment | 2 | 2 | 2 |
| Trauma Endotracheal Intubation Adult | 2 | 2 | 2 |
| Pleural Decompression | 2 | 2 | 2 |

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)

[us/Learn/9.1](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 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