

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 2206
- EMSP 2260

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).

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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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- 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. No food, drinks, or use of tobacco products in class.
 2. Computers, telephones, headphones, and any other electronic devices must be turned off while in class or used only with permission of the instructor.
 3. Do not bring children to class.
 4. No late assignments will be accepted.
 5. 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.
 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 EMS Program Student Handbook.
 8. 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.
 - c. Each specific lab skill sheet must have a letter score of "C" or better and all critical criteria must be met in order for that lab skill to be accepted.
 9. All lab skills are required to be passed the number of times assigned to each specific lab skill.
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- Each specific lab skill sheet must have a letter score of “C” or better and all critical criteria must be met in order for that lab skill to be accepted.
- All lab skills are required to be passed the number of times assigned to each specific lab skill.

Lab Skills Required

Skill	Minimum Attempts Required	Instructor Check off Required
Trauma Adult Physical Assessment	3	2
Trauma Endotracheal Intubation Adult	3	2
Pleural Decompression	3	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-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 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building. You may also visit the online resource at <http://www.lit.edu/depts/stuserv/special/defaults.aspx>

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