

Emergency Medical Technician (EMSP 1501_9T8)

CREDIT

5 semester credit hours (3 hours lecture, 8 hours lab)

MODE OF INSTRUCTION

Hybrid

PREREQUISITE/CO-REQUISITE:

- EMSP 1260
- Work Keys Reading Exam with a score of 5 or greater **or** TSI writing with a score of 351 or greater **or** ENGL 1301 with a score of C or greater.

COURSE DESCRIPTION

Preparation for certification as an Emergency Medical Technician (EMT).

COURSE OBJECTIVES

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

- Apply fundamental knowledge of the EMS system, safety/well-being of the EMT, and medical/legal and ethical issues to the provisions of emergency care.
- Apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.
- Use fundamental anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.
- Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.
- Apply fundamental knowledge of life span development to patient assessment and management.
- Use simple knowledge of the principles of illness and injury prevention in emergency care.
- Apply fundamental knowledge of the medications that the EMT may assist/administer to a patient during an emergency.
- Apply knowledge (fundamental depth, fundamental breadth) of general anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.
- Apply scene information and patient assessment findings (scene size up, primary and secondary assessment, patient history, and reassessment) to guide emergency management.



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- Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.
- Apply fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, and post resuscitation management.
- Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient.
- Apply fundamental knowledge of growth, development, and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.

Apply knowledge of operational roles and responsibilities to ensure safe patient, public, and personnel safety.

INSTRUCTOR CONTACT INFORMATION

Instructor:	Cassie Walters
Email:	Cewalters@lit.edu
Office Phone:	409-245-8752
Office Location:	MPC 244
Office Hours:	By Appointment

REQUIRED TEXTBOOK AND MATERIALS

Emergency Care & Transportation of Sick and Injured by AAOS, 12th edition. Jones & Bartlett Publishers. ISBN number **978-1-284-20430-8**

Access to Google calendar – No cost to student.

See EMS Program Student Handbook and Clinical Handbook for equipment and uniform requirements. These are both found in your Blackboard course.

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. Attendance in this class is based on both students' presence, as well as students' participation in class.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified date as listed in the College Calendar on the [Student Success](#) web page. 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 outside of class. Online/Hybrid students should expect to spend at least as much time in this course as in the face-to-face class.

COURSE CALENDAR (16 WEEKS) January 27, 2025 – May 14, 2025

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Chapter Quizzes and Homework 20%

Module Exams and Skills 30%

Final Examination and Final Skills 50%

GRADE SCALE

90 – 100 A

84 – 89 B

75 – 83 C

70 – 74 D

0 – 69 F

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

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the [LIT Online Experience](#) page. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

Date	Subject	LEC	LAB	Instructor	Class Time
8/12/2026	Orientation	2 hr 40 min	20 min	Walters	0830–1130
8/14/2026	BLS / CPR — Part I	1 hr	2 hr	Walters	0830–1130
8/18/2026	BLS / CPR — Part II	1 hr	2 hr	Walters	0830–1130

8/19/2026	Skills / Clinical Readiness	40 min	2 hr 20 min	Walters	0830–1130
8/20/2026	EMS Foundations / Professionalism	2 hr	1 hr	Walters	0830–1130
8/21/2026	Communication / Documentation	2 hr	1 hr	Walters	0830–1130
8/24/2026	Medical Terminology Foundations	2 hr 40 min	20 min	Walters	0830–1130
8/25/2026	Anatomy & Physiology Foundations	2 hr 40 min	20 min	Walters	0830–1130
8/26/2026	1. EMS Systems	2 hr 40 min	20 min	Walters	0830–1130
8/27/2026	2. Workforce Safety and Wellness	2 hr	1 hr	Walters	0830–1130
8/28/2026	3. Medical, Legal, and Ethical Issues	2 hr 40 min	20 min	Walters	0830–1130
9/1/2026	4. Communication and Documentation	2 hr	1 hr	Walters	0830–1130
9/3/2026	5. Medical Terminology	2 hr 40 min	20 min	Walters	0830–1130
9/9/2026	6. The Human Body	2 hr 40 min	20 min	Walters	0830–1130
9/11/2026	7. Life Span Development	2 hr 40 min	20 min	Walters	0830–1130
9/15/2026	8. Lifting and Moving Patients	40 min	2 hr 20 min	Walters	0830–1130
9/17/2026	9. The Team Approach to Health Care	2 hr	1 hr	Walters	0830–1130
9/21/2026	10 Patient Assessment	1 hr 40 min	1 hr 20 min	Walters	0830–1130
9/23/2026	Patient Assessment Skills / Module 1 Review	40 min	2 hr 20 min	Walters	0830–1130
10/7/2026	MODULE 1 EXAM	2 hr	1 hr	Walters	0830–1130
9/25/2026	11 Airway Management	40 min	2 hr 20 min	Walters	0830–1130
9/29/2026	12 Principles of Pharmacology	2 hr 40 min	20 min	Walters	0830–1130
10/1/2026	13 Shock	1 hr 40 min	1 hr 20 min	Walters	0830–1130
10/5/2026	14 BLS Resuscitation	40 min	2 hr 20 min	Walters	0830–1130
10/9/2026	15 Medical Overview	2 hr 40 min	20 min	Walters	0830–1130
10/15/2026	16 Respiratory Emergencies	1 hr 40 min	1 hr 20 min	Walters	0830–1130
10/19/2026	17 Cardiovascular Emergencies	1 hr 40 min	1 hr 20 min	Walters	0830–1130
10/21/2026	18 Neurological Emergencies	2 hr 40 min	20 min	Walters	0830–1130
10/23/2026	19 Gastrointestinal and Urologic Emergencies	2 hr	1 hr	Walters	0830–1130

10/27/2026	20 Endocrine and Hematologic Emergencies	2 hr	1 hr	Walters	0830–1130
10/29/2026	21 Immunologic Emergencies	2 hr 40 min	20 min	Walters	0830–1130
11/2/2026	22 Toxicology	2 hr	1 hr	Walters	0830–1130
11/4/2026	23 Psychiatric Emergencies	2 hr 40 min	20 min	Walters	0830–1130
11/6/2026	24 Gynecologic Emergencies	2 hr	1 hr	Walters	0830–1130
11/9/2026	Medical Skills Day	20 min	2 hr 40 min	Walters	0830–1130
11/10/2026	Medical Scenario / Review	40 min	2 hr 20 min	Walters	0830–1130
11/12/2026	Medical Review / Remediation	1 hr	2 hr	Walters	0830–1130
11/16/2026	MODULE 2 REVIEW	1 hr	2 hr	Walters	0830–1130
11/18/2026	MODULE 2 REVIEW / REMEDIATION	40 min	2 hr 20 min	Walters	0830–1130
11/20/2026	MODULE 2 EXAM	2 hr	1 hr	Walters	0830–1130
11/23/2026	25 Trauma Overview	1 hr 40 min	1 hr 20 min	Walters	0830–1130
11/25/2026	26 Bleeding	1 hr	2 hr	Walters	0830–1130
11/30/2026	27 Soft-Tissue Injuries	2 hr 40 min	20 min	Walters	0830–1130
12/2/2026	28 Face and Neck Injuries	2 hr	1 hr	Walters	0830–1130
12/4/2026	29 Head and Spine Injuries	2 hr	1 hr	Walters	0830–1130
12/8/2026	30 Chest Injuries	2 hr	1 hr	Walters	0830–1130
12/9/2026	31 Abdominal and Genitourinary Injuries	2 hr 40 min	20 min	Walters	0830–1130
12/11/2026	32 Orthopedic Injuries	1 hr	2 hr	Walters	0830–1130
12/14/2026	33 Environmental Emergencies	2 hr	1 hr	Walters	0830–1130
12/16/2026	Trauma Skills Day	20 min	2 hr 40 min	Walters	0830–1130
12/18/2026	Trauma Scenario Day	40 min	2 hr 20 min	Walters	0830–1130
1/5/2027	Trauma Assessment	40 min	2 hr 20 min	Walters	0830–1130
1/7/2027	Trauma Skills Remediation	20 min	2 hr 40 min	Walters	0830–1130
1/11/2027	MODULE 3 REVIEW	1 hr	2 hr	Walters	0830–1130
1/13/2027	MODULE 3 EXAM	2 hr	1 hr	Walters	0830–1130
1/15/2027	34 Obstetrics and Neonatal Care	1 hr 40 min	1 hr 20 min	Walters	0830–1130
1/19/2027	35 Pediatric Emergencies	2 hr	1 hr	Walters	0830–1130
1/21/2027	36 Geriatric Emergencies	2 hr 40 min	20 min	Walters	0830–1130
1/25/2027	37 Patients with Special Challenges	2 hr 40 min	20 min	Walters	0830–1130
1/27/2027	Special Populations Skills Day	20 min	2 hr 40 min	Walters	0830–1130
1/29/2027	Special Populations Review	1 hr	2 hr	Walters	0830–1130
2/2/2027	38 Transport Operations	2 hr 40 min	20 min	Walters	0830–1130

2/4/2027	39 Vehicle Extrication and Special Rescue	1 hr 40 min	1 hr 20 min	Walters	0830–1130
2/8/2027	40 Incident Management	2 hr	1 hr	Walters	0830–1130
2/10/2027	41 Terrorism Response and Disaster Management	2 hr 40 min	20 min	Walters	0830–1130
2/12/2027	EMS Operations Skills Day	20 min	2 hr 40 min	Walters	0830–1130
2/17/2027	EMS Operations Scenario Day	40 min	2 hr 20 min	Walters	0830–1130
2/18/2027	MODULE 4 EXAM	2 hr	1 hr	Walters	0830–1130
2/22/2027	Comprehensive Patient Assessment	40 min	2 hr 20 min	Walters	0830–1130
2/24/2027	Airway / Respiratory Skills Review	20 min	2 hr 40 min	Walters	0830–1130
2/26/2027	Cardiac / Resuscitation Review	20 min	2 hr 40 min	Walters	0830–1130
3/2/2027	Medical Scenario Review	20 min	2 hr 40 min	Walters	0830–1130
3/4/2027	Comprehensive Medical Review	1 hr	2 hr	Walters	0830–1130
3/10/2027	Trauma Comprehensive Review	1 hr	2 hr	Walters	0830–1130
3/15/2027	Medical Comprehensive Review	1 hr	2 hr	Walters	0830–1130
3/16/2027	Airway / Resuscitation Comprehensive Review	40 min	2 hr 20 min	Walters	0830–1130
3/18/2027	Patient Assessment Review	40 min	2 hr 20 min	Walters	0830–1130
3/22/2027	NREMT-Style Comprehensive Practice Exam	2 hr 40 min	20 min	Walters	0830–1130
3/24/2027	Final Written Review	2 hr	1 hr	Walters	0830–1130
3/30/2027	Patient Assessment Testing	40 min	2 hr 20 min	Walters	0830–1130
4/1/2027	Skills Review / Remediation	20 min	2 hr 40 min	Walters	0830–1130
4/5/2027	Comprehensive Assessment	2 hr	1 hr	Walters	0830–1130
4/7/2027	Final Skills Review	20 min	2 hr 40 min	Walters	0830–1130
4/9/2027	Medical Patient Scenarios	20 min	2 hr 40 min	Walters	0830–1130
4/12/2027	Trauma Patient Scenarios	20 min	2 hr 40 min	Walters	0830–1130
4/13/2027	Special Populations Scenarios	20 min	2 hr 40 min	Walters	0830–1130
4/15/2027	EMS Operations / MCI Scenarios	20 min	2 hr 40 min	Walters	0830–1130
4/16/2027	MCI Group Projects	20 min	2 hr 40 min	Walters	0830–1130
4/19/2027	MCI Group Projects	20 min	2 hr 40 min	Walters	0830–1130
4/21/2027	MCI Group Projects	20 min	2 hr 40 min	Walters	0830–1130
4/23/2027	Scenario Day Medical	20 min	2 hr 40 min	Walters	0830–1130
4/27/2027	Scenario Day Trauma	20 min	2 hr 40 min	Walters	0830–1130
5/11/2027	Comprehensive Practice Exam	2 hr 40 min	20 min	Walters	0830–1130
5/3/2027	Comprehensive Skills Day	20 min	2 hr 40 min	Walters	0830–1130
5/5/2027	Comprehensive Patient Assessment Day	20 min	2 hr 40 min	Walters	0830–1130
5/7/2027	NREMT Preparation	2 hr 40 min	20 min	Walters	0830–1130
5/11/2027	Comprehensive Practice Exam	2 hr 40 min	20 min	Walters	0830–1130

5/13/2027	Remediation / Individual Skills Review	20 min	2 hr 40 min	Walters	0830–1130
5/17/2027	Final Skills Evaluations	20 min	2 hr 40 min	Walters	0830–1130
5/19/2027	Final Comprehensive Review	1 hr	2 hr	Walters	0830–1130
5/21/2027	FINAL COURSE DAY — Final Evaluation / Course Completion	2 hr	1 hr	Walters	0830–1130

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. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](https://www.lit.edu/specialpopulations).

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. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses.

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

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. Phones will be placed at the front desk with your instructor on exam days in the computer lab, NO EXCEPTIONS!
3. Do not bring children to class.
4. Late assignments will not be accepted. All assignments have a posted due date and all assignments are due by 11:59pm on posted due date.
5. 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'.
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.

BLACKBOARD ANNOUNCEMENTS

1. Announcements in Blackboard are posted to the Announcements web page that you see when you log into class. They are important, so be sure to read them.
2. Announcements are also emailed to your Blackboard email, which you can check at MyLIT.

MY RESPONSE TIME

1. I only answer my phone when I am in my office.
2. I only return calls that leave a voicemail due to excessive robocalls.
3. The best way to reach your instructor is through LIT email, cewalters@lit.edu
4. I answer emails within 24 hours, except those received outside of office hours, during the weekend or campus holidays.

Course Outline - Orientation

- A. **Preparatory**
 - a. EMS Systems
 - b. Workforce Safety and Wellness
 - c. Medical, Legal, and Ethical Issues
 - d. Communication and Documentation
 - e. Medical Terminology
 - f. Life Span Development
- B. **Patient Assessment**
 - a. The Human Body

- b. Patient Assessment
 - c. Life Span Development
 - d. Lifting and Moving Patients
- C. **Airway**
 - a. Airway Management
- D. **Pharmacology**
 - a. Principles of Pharmacology
- E. **Shock and Resuscitation**
 - a. Shock
 - b. BLS Resuscitation
- F. **Medical**
 - a. Medical Overview
 - b. Respiratory Emergencies
 - c. Cardiovascular Emergencies
 - d. Neurologic Emergencies
 - e. Gastrointestinal Emergencies
 - f. Endocrine and Hematologic Emergencies
 - g. Immunologic Emergencies
 - h. Toxicology
- G. **Trauma**
 - a. Trauma Overview
 - b. Bleeding
 - c. Soft-Tissue Injuries
 - d. Face and Neck Injuries
 - e. Head and Spine Injuries
 - f. Chest Injuries
 - g. Abdominal and Genitourinary Injuries
 - h. Orthopedic Injuries
 - i. Environmental Emergencies
- H. **Special Patient Populations**
 - a. Behavioral Emergencies
 - b. Geriatric Emergencies
 - c. Gynecological Emergencies
 - d. Obstetrics and Neonatal Care
 - e. Pediatric Emergencies
 - f. Patients with Special Challenges
- I. **EMS Operations**
 - a. Team Approach to Healthcare
 - b. Transport Operations
 - c. Vehicle Extrication and Special Rescue
 - d. Incident Management
 - e. Terrorism Response and Disaster Management